

Wetland C2-R-F near flag 10I - View facing north



Wetland C2-R-F near flag 10I - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

Project/Site: CHPE	City/County: Saratoga Springs/Saratoga Sampling Date: 3/30/23
Applicant/Owner: TDI	State: NY Sampling Point: C2-R-F-101 Upl
Investigator(s): C. Scrivner & J. Greaves	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope Local	relief (concave, convex, none): Concave Slope %: 35
Subregion (LRR or MLRA): LRR R Lat: 43.088747	Long: -73.808695 Datum: DD
Soil Map Unit Name: HuC - Hudson silt loam, 8 to 15% slopes	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
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: Upland adjacent to wetland C2-R-F
Hemlock northern hardwood forest.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (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 Button	——————————————————————————————————————
Drift Deposits (B3) Presence of Reduced In	· / · /
Algal Mat or Crust (B4) Recent Iron Reduction in This Much Curface (C7)	
Iron Deposits (B5) Thin Muck Surface (C7)	<u> </u>
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:	

Tree Stratum (Diet aize: 20')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Tree Stratum (Plot size: 30'		Species?		Dominance Test worksheet:
1. Tsuga canadensis	45	Yes	FACU	Number of Dominant Species
2. Acer rubrum	30	Yes	FAC	That Are OBL, FACW, or FAC:3(A)
3. Fagus grandifolia4.	5	No	FACU	Total Number of Dominant Species Across All Strata: 10 (B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 30.0% (A/B)
7.				Prevalence Index worksheet:
	80	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species 0 x1 = 0
1. Acer rubrum	5	Yes	FAC	FACW species 0 x 2 = 0
Lonicera morrowii	5	Yes	FACU	FAC species 40 x 3 = 120
3. Fagus grandifolia	5	Yes	FACU	FACU species 80 x 4 = 320
4.				UPL species 0 x 5 = 0
5.				Column Totals: 120 (A) 440 (B)
6				Prevalence Index = B/A = 3.67
7.				Hydrophytic Vegetation Indicators:
·	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%
1. Lonicera morrowii	5	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Toxicodendron radicans	5	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
Ostrya virginiana	5	Yes	FACU	data in Remarks or on a separate sheet)
4. Pinus strobus	5	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Polystichum acrostichoides	5	Yes	FACU	- Problematic Hydrophytic Vegetation (Explain)
6.		165	TACO	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Senting/about Woody plants loss than 2 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.				Harb All bank account (non-unach) plants na namilaca
	25	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			
	,			

Sampling Point: C2-R-F-10i Upl

Depth	ription: (Describe t Matrix	to the de		ument t l x Featur		ator or co	nfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	2.5Y 5/4	100			<u></u>		Sandy	
6 16	2.5Y 4/4	70	7.5YR 5/8	20				Draminant raday concentrations
6-16	2.31 4/4		7.511\ 3/0			_m -	Sandy	Prominent redox concentrations
		<u> </u>						
¹Type: C=Co	ncentration, D=Depl	etion, RM	=Reduced Matrix, N	∕IS=Mas	ked Sand	Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Black His Hydroger Stratified Depleted Thick Da Sandy M Sandy G Sandy Re Stripped Dark Sur	(A1) ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6)		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	ace (S9) Gands (S) Mineral Matrix (x (F3) urface (F) Surface sions (F) R K, L)	(LRR R 611) (LRI (F1) (LRI F2) 66) (F7)	, MLRA 14 R K, L) R K, L)	2 cm Mu Coast P 5 cm Mu Polyvalu Thin Da Iron-Mai Piedmoi Mesic S Red Par Very Sh Other (E	or Problematic Hydric Soils ³ : Lick (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) Licky Peat or Peat (S3) (LRR K, L, R) Lie Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) Inganese Masses (F12) (LRR K, L, R) Let Floodplain Soils (F19) (MLRA 149B) Let Material (F21) allow Dark Surface (F22) Explain in Remarks)
Type: _								
Depth (in	ches):						Hydric Soil Prese	nt? Yes No X
	n is revised from No 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,



Upland C2-R-F near flag 10I - View facing south



Upland C2-R-F near flag 10I - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Applicant/Owner: TDI	State: NY Sampling Point: c2-R-G-3 Wet
Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
	relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-05-06N	Long: 73-48-37W Datum: WGS84
Soil Map Unit Name: DeA - Deerfield loamy fine sand, 0 to 3 percent slopes	s NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Shrub swamp.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (E	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)	Shallow Aquitard (D3)
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 No X Depth (inches):	
Water Table Present? Yes X No Depth (inches):	12
Saturation Present? Yes X No Depth (inches):	4 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	

ree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
Pyrus calleryana	3	No	UPL	Number of Dominant Species			
				That Are OBL, FACW, or FAC: 3 (A)			
				Total Number of Demission			
				Total Number of Dominant Species Across All Strata: 4 (B)			
				Percent of Dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)			
				Prevalence Index worksheet:			
	3	=Total Cover		Total % Cover of: Multiply by:			
apling/Shrub Stratum (Plot size: 15')		-		OBL species 0 x 1 = 0			
. Cornus alba	40	Yes	FACW	FACW species 110 x 2 = 220			
. Cornus racemosa	10	No	FAC	FAC species 50 x 3 = 150			
. Lonicera morrowii	10	No No	FACU	FACU species 15 x 4 = 60			
Ulmus americana	5	No	FACW	UPL species 3 x 5 = 15			
. Omius americana			- FACW	<u> </u>			
		·		Prevalence Index = B/A = 2.50			
		T-4-1 0		Hydrophytic Vegetation Indicators:			
(5)	65	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
lerb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%			
Onoclea sensibilis	60	<u>Yes</u>	FACW	X 3 - Prevalence Index is ≤3.0 ¹			
Equisetum hyemale	35	Yes	FAC_	4 - Morphological Adaptations ¹ (Provide supporti data in Remarks or on a separate sheet)			
. Cornus racemosa	5	No	FAC_				
Cornus alba	5	<u>No</u>	FACW_	Problematic Hydrophytic Vegetation ¹ (Explain)			
·				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
				Definitions of Vegetation Strata:			
				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
0.							
1.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
2	105	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.			
Voody Vine Stratum (Plot size: 30')	100	- Total Cover					
	_	Vaa	FACIL	Woody vines – All woody vines greater than 3.28 ft in			
Vitis aestivalis	5	Yes	FACU	height.			
				Hydrophytic			
·				Vegetation			
				Present?			
	5	=Total Cover					

Depth	ription: (Describe t Matrix	o the de		ument t l x Featur		itor or co	nfirm the absence o	f indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-12	10YR 3/1	95	5YR 4/6	5	С	m	Sandy	Prominent redox concentrations	
12-18	10YR 5/6	90	2.5Y 3/3	10	<u> </u>	<u>m</u>	Sandy	Prominent redox concentrations	
		<u> </u>							
		<u> </u>							
¹Type: C=Co	ncentration, D=Depl	etion, RM		——— //S=Mas	 ked Sand	Grains.	²Location: F	PL=Pore Lining, M=Matrix.	
Histosol (Histic Ep Black His Hydroger Stratified Depleted Thick Da Sandy M Sandy G X Sandy Ro Stripped Park Sur	Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains ydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Stripped Matrix (S6) Plack Surface (S7) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA High Chroma Sands (S11) (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) Polyvalue Below Surface (S8) (LRR R, MLRA MLRA HIGH) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Matrix (F3) Redox Dark Surface (F7) Redox Depressions (F8) Marl (F10) (LRR K, L) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless divestrictive Layer (if observed):					, MLRA 14 R K, L) R K, L)	Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)		
Type: _ Depth (in	ches):						Hydric Soil Prese	nt? Yes_X_ No	
	n is revised from Noi 2015 Errata. (http://w		-					CS Field Indicators of Hydric Soils,	



Wetland C2-R-G-3 - View facing south.



Wetland C2-R-G-3 - Soils

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Applicant/Owner: TDI	State: NY Sampling Point: c2-R-G-3 Up
Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
-	relief (concave, convex, none): Convex Slope %: 45
Subregion (LRR or MLRA): LRR R Lat: 43-05-06N	Long: 73-48-36W Datum: WGS84
	·
Soil Map Unit Name: DeA - Deerfield loamy fine sand, 0 to 3 percent slope:	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Lhidranhi tia Vagatatian Dracant2 Vag. V. Na	to the Complet Avec
Hydrophytic Vegetation Present? Hydric Soil Present? Yes X No Yes No X	Is the Sampled Area within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	in you, optional reductions.
Railroad embankment.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (E	
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 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 Remark	
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	avious inspections) if available:
Describe Necorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), ii avaliable.
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.				Number of Dominant Species
2				That Are OBL, FACW, or FAC:1 (A)
3. 4.				Total Number of Dominant Species Across All Strata:1 (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 species0 x1 =0
1				FACW species 0 x 2 = 0
2.				FAC species65 x 3 =195
3.				FACU species0 x 4 =0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 65 (A) 195 (B)
6.		· '		Prevalence Index = B/A = 3.00
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-		X 2 - Dominance Test is >50%
1. Equisetum hyemale	65	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. 4.				Problematic Hydrophytic Vegetation ¹ (Explain)
		-		
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				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
	65	=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 height.
2.				
3.				Hydrophytic
1				Vegetation Present? Yes X No
4.		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rato shoot)	-		
Tremains. (include prioto numbers here of on a separ	ate sneet.)			

Sampling Point: C2-R-G-3 Upl

SOIL Sampling Point C2-R-G-3 Upl

Depth	Matrix	to the depti		k Featur		ator or co	onfirm the absence o	of illuicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks	
			, ,							
								-		
			_							
1Typo: C=C	oncentration, D=Dep	lotion DM-E	Poducod Matrix M		kod San	d Grains	² Location: I	PL=Pore Lining, M=Ma		
		ielion, Kivi-r	Reduced Matrix, iv	IS-IVIASI	keu San	u Grairis.				
Hydric Soil			5 5.	0 ((00) (for Problematic Hydr		- \
Histosol		_	Polyvalue Belo		ce (S8) (LRR R,		luck (A10) (LRR K, L,		-
	oipedon (A2)		MLRA 149B	•				Prairie Redox (A16) (L l	-	
	istic (A3)	_	Thin Dark Surfa				· —	lucky Peat or Peat (S3		
Hydroge	en Sulfide (A4)	_	High Chroma S	Sands (S	311) (LR I	R K, L)	Polyval	ue Below Surface (S8)	(LRR K, L)
Stratified	d Layers (A5)	_	Loamy Mucky I	Mineral	(F1) (LR	RK, L)	Thin Da	ark Surface (S9) (LRR	K , L)	
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Ma	anganese Masses (F12	2) (LRR K, I	L, R)
Thick Da	ark Surface (A12)	_	Depleted Matrix	x (F3)			Piedmo	ont Floodplain Soils (F	19) (MLRA	149B)
	Mucky Mineral (S1)	_	Redox Dark Su		6)			Spodic (TA6) (MLRA 1		-
	Gleyed Matrix (S4)	_	— Depleted Dark					rent Material (F21)	, ,	,
	Redox (S5)	_	Redox Depress					nallow Dark Surface (F	:22)	
		_	_		<i>5)</i>			•	22)	
	Matrix (S6)	_	Marl (F10) (LR	K K, L)			Other (i	Explain in Remarks)		
— Dark Su	rface (S7)									
3										
			and hydrology mu	ist be pr	esent, u	nless dist	urbed or problematic.			
	Layer (if observed):									
Type:										
Depth (ii	nches):						Hydric Soil Prese	ent? Yes	No X	<
	, <u> </u>									
Remarks:	t of railroad ballant									
Soils consist	t of railroad ballast.									



Upland C2-R-G-3 - View facing southeast.

SITE PHOTOGRAPHS

Applicant/Owner: TDI State:	Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Landform (hillside, terrace, etc.): Depression	Applicant/Owner: TDI	State: NY Sampling Point: C2-R-H-5 Wet
Subregion (LRR or MLRA): LRR R Latt 43-04-59N Long: 73-48-38W Datum: WGS84 Soil Map Unit Name: DeA - Deerfield loamy fine sand, 0 to 3 percent slopes NWI classification: PSST 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 Institute of Yes Are "Noman Circumstances" present? Yes X No Are Vegetation Soil Or Hydrology Institute of Yes Are "Noman Circumstances" present? Yes X No Are Vegetation Soil Or Hydrology Institute of Yes Are "Noman Circumstances" present? Yes X No Hydrophytic Vegetation Present? Yes X No Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Hydrophytic Vegetation Present? Yes X No If yes, optional Wetland Site ID: Hydrophytic Vegetation Present? Yes X No If yes, optional Wetland Site ID: Hydrophytic Vegetation Present? Yes X No If yes, optional Wetland Site ID: Hydrophytic Vegetation Present? Yes X No If yes, optional Wetland Site ID: Hydrophytic Vegetation Present? Yes X No If yes, optional Wetland Site ID: Hydrophytic Vegetation Present? Yes X No If yes, optional Wetland Site ID: Hydrophytic Vegetation Present? Yes X No Water-Stained Leaves (B9) Dural nage Patterns (B10) Surface Water (A1) Water-Stained Leaves (B9) Dural nage Patterns (B10) Surface Water (A1) Water-Stained Leaves (B9) Dural nage Patterns (B10) Yes A High Wetlar Table (A2) Aqualic Fauna (B13) Dural nage Patterns (B10) Water Marks (B1) Hydropos Wilder (A10) Dural nage Patterns (B10) Water Marks (B1) Hydropos Wilder (B10) Dural nage Patterns (B10) Hydroposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Hydroposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Hydroposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Hydroposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)	Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
Soll Map Unit Name: DeA - Deerfield loamy fine sand, 0 to 3 percent slopes	Landform (hillside, terrace, etc.): Depression Local	relief (concave, convex, none): Concave Slope %: 3
Are Vegetation, Soil, or Hydrologysignificantly disturbed?	Subregion (LRR or MLRA): LRR R Lat: 43-04-59N	Long: 73-48-38W Datum: WGS84
Are Vegetation, Soil, or Hydrology significantly disturbed?	Soil Map Unit Name: DeA - Deerfield loamy fine sand, 0 to 3 percent slope	es NWI classification: PSS1
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Hydrophytic Vegetation Present? Yes X No Weltand Hydrology Indicators: Weltand Hydrology Indicat		
Hydrophytic Vegetation Present? Yes X No Within a Wetland? Yes X No Within a Wetland? Yes X No Wetland Hydrology Present? Yes X No If yes, optional Wetland Site ID: Wetland Hydrology Present? Yes X No If yes, optional Wetland Site ID: Wetland Hydrology Present? Yes X No If yes, optional Wetland Site ID: Wetland Hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply)	Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Shrub swamp. HYDROLOGY Wetland Hydrology Indicators: Surface Water (A1) Surface Soil Cracks (B6) Surface Water (A2) Saturation (A3) Sediment Deposits (B2) Signature (B3) Sediment Deposits (B3) Signature (B3) Signature (B3) Signature (B3) Signature (B3) Signature (B3) Signature (B4) Signature (B4) Signature (B4) Signature (B5) Signature (B5) Signature (B6) Surface Water (A1) Signature (B16) Surface (B6) Surface Water (A1) Signature (B16) Surface (B6) Surface Water (A1) Signature (B16) Surface (B16) Surfa	SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Shrub swamp. HYDROLOGY Wetland Hydrology Indicators: Surface Water (A1) Surface Soil Cracks (B6) Surface Water (A2) Saturation (A3) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B3) Signal Mat or Crust (B4) Algal Mat or Crust (B4) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Surface Water (A1) Sparsely Vegetated Concave Surface (B8) Surface Water (A1) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Surface Water (A1) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Surface Water Present? Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Surface Water Present? Sparsely Vegetated Concave Surface (B8) Surface Water Present? Surface	Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Wetland Hydrology Present? Remarks: (Explain alternative procedures here or in a separate report.) Shrub swamp. Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B1) Presence of Reduced Iron (C4) Inon Deposits (B3) Presence of Reduced Iron (C4) Agal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Inon Deposits (B5) Inon Deposits (B5) Sparsely Vegetated Concave Surface (B7) Thin Muck Surface (C7) Sparsely Vegetated Concave Surface (B8) Surface Water Present? Yes No Depth (inches): Water Jable (Rayler (Pasent?) Water Aller (Pasent?) Water Marks (B1) Agal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Sparsely Vegetated Concave Surface (B7) Depth (inches): Water Table (Pasent?) Water Table (Pasent?) Water Marks (B1) Agal Mat or Crust (B4) Recent Iron Reduction in Remarks Microtopographic Relief (D4) X FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No Depth (inches): Water Table (Pasent?) Yes No Depth (inches): Water Table (Pasent?) Yes No Depth (inches): Water Table (Pasent?) Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No No Depth (inches): Wetland Hydrology Present? Yes No No Depth (inches): No Depth (inches		
HYDROLOGY Wetland Hydrology Indicators:	l ' — —	
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (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 (B3) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) X Geomorphic Position (D2) 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: Sufface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes X No Saturation Present? Yes X Depth (inches): 0 Wetland Hydrology Present? Yes X No Crayfish Burrows (C8) Depth (inches): 0 Wetland Hydrology Present? Yes<		
Primary Indicators (minimum of one is required; check all that apply) 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) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Vater Present? Yes No Depth (inches): Water Table Present? Yes X No Depth (inches): Overline Aerial Imagery (A2) Wetland Hydrology Present? Yes X No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	HYDROLOGY	
Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Iron Deposits (B5) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table (Pave Note (Pave Note) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) X Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) X FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes X No Depth (inches): Saturation Present? Yes X No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
X High Water Table (A2) X Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes X No Depth (inches): Saturation Present? Yes X No Depth (inches): Owelland Hydrology Present? Yes X No Depth (inches): Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Saturation (A3)		
Water Marks (B1)		
Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes X No Depth (inches): Saturation Visible on Aerial Imagery (C9) Wetland Hydrology Present? Yes X No Depth (inches): Other (Explain in Remarks) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		 :
Drift Deposits (B3)	I 	· · · · · · · · · · · · · · · · · · ·
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) X Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes X No Depth (inches): 8 Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	I 	
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes X No Depth (inches): 8 Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	l — · · · · · · · —	<u> </u>
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes X No Depth (inches): 8 Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		· · · · · · · · · · · · · · · · · · ·
Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5)	l 	
Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes X No Depth (inches): 8 Saturation Present? Yes X No Depth (inches): 0 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	I 	
Surface Water Present? Yes No X Depth (inches): Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Water Table Present? Yes X No Depth (inches): 8 Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Field Observations:	
Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No Depth (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Water Present? Yes No _X Depth (inches):	: <u></u>
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Water Table Present? Yes X No Depth (inches):	<u>8</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Saturation Present? Yes X No Depth (inches):	:0 Wetland Hydrology Present? YesX No
	(includes capillary fringe)	
Remarks:	Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
	Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Betula populifolia	5	Yes	FAC	
2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3. 4.				Total Number of Dominant Species Across All Strata:3(B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0
1. Cornus alba	45	Yes	FACW	FACW species 135 x 2 = 270
2. Cornus racemosa	15	No	FAC	FAC species 30 x 3 = 90
3. Salix alba	15	No	FACW	FACU species 2 x 4 = 8
4. Betula populifolia	10	No	FAC	UPL species0 x 5 =0
5. Pinus strobus	2	No	FACU	Column Totals: 167 (A) 368 (B)
6.				Prevalence Index = B/A =2.20
7				Hydrophytic Vegetation Indicators:
	87	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	70	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Cornus alba	5	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – 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 and greater than or equal to 3.28 ft (1 m) tall.
11				
12	 75	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Washing All washing assets they 2.20 ft in
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				3
2				Hydrophytic
<i></i>				Vegetation Present? Yes X No
-		=Total Cover		105 <u>X</u> No
Demontos (Includo abete aumbero bero er en e cono	ata abaat \			
Remarks: (Include photo numbers here or on a separ	ate sneet.)			

Sampling Point: C2-R-H-5 Wet

Depth	ription: (Describe t Matrix	o the de		ıment tl x Featur		tor or co	onfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-9	10YR 3/1	100					Loamy/Clayey	
9-16	10YR 5/2	90	5YR 4/6	10	С	m	Loamy/Clayey	Prominent redox concentrations
		_ _ _			_ _ _			
¹Type: C=Co	ncentration, D=Depl	etion, RM	=Reduced Matrix, N	 IS=Mas	ked Sand	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Black His Hydroger Stratified X Depleted Thick Da Sandy M Sandy G Sandy Ro Stripped Dark Sur	(A1) ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6) face (S7)		Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR) ace (S9) Sands (S Mineral Matrix (x (F3) urface (F Surface sions (Fa R K, L)	(LRR R 611) (LRI (F1) (LRI F2) 66) (F7)	, MLRA 1 R K, L) R K, L)	2 cm Mt Coast P 49B) 5 cm Mt Polyvalu Thin Da Iron-Mat Piedmot Mesic S Red Par Very Sh	for Problematic Hydric Soils ³ : Luck (A10) (LRR K, L, MLRA 149B) Trairie Redox (A16) (LRR K, L, R) Lucky Peat or Peat (S3) (LRR K, L, R) Lucky Peat or Peat (S8) (LRR K, L) Trairie Redox (S9) (LRR K, L) Lucky Peat or Peat (S9) (LRR K, L, R) Luck
	ayer (if observed):	on and w	eliand hydrology me	ist be pi	esent, ui	iless dist	arbed of problematic.	
Depth (in	ches):						Hydric Soil Prese	nt? Yes X No
	n is revised from No 2015 Errata. (http://w		_					CS Field Indicators of Hydric Soils,



Wetland C2-R-H-5 - View facing north.



Wetland C2-R-H-5 - Soils

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Applicant/Owner: TDI	State: NY Sampling Point: c2-R-H-5 Upl
Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
· · · · · ·	relief (concave, convex, none): None Slope %:
Subregion (LRR or MLRA): LRR R Lat: 43-04-59N	Long: 73-48-38W Datum: WGS84
Soil Map Unit Name: DeA - Deerfield loamy fine sand, 0 to 3 percent slope	es 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	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:
Railroad embankment.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	——————————————————————————————————————
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres of the control of th	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	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:
Demontos	
Remarks:	

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
·				Number of Dominant Species
				That Are OBL, FACW, or FAC: 0 (A)
				Total Number of Dominant Species Across All Strata: 2 (B)
				(B)
		-		Percent of Dominant Species
·				That Are OBL, FACW, or FAC: 0.0% (A/B
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')				OBL species0 x 1 =0
				FACW species0 x 2 =0
				FAC species 5 x 3 = 15
				FACU species 5 x 4 = 20
				UPL species 60 x 5 = 300
				Column Totals: 70 (A) 335 (E
	_			Prevalence Index = B/A = 4.79
				Hydrophytic Vegetation Indicators:
	-	-Tatal Cavan		
	-	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size:5')				2 - Dominance Test is >50%
Centaurea stoebe	40	Yes	<u>UPL</u>	3 - Prevalence Index is ≤3.0 ¹
Daucus carota	20	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting
. Euthamia graminifolia	5	No	FAC	data in Remarks or on a separate sheet)
Oenothera biennis	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
				1 Indicators of hydric call and watland hydrology must
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
·	-			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
	-			diameter at breast height (DBH), regardless of height
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
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.
/oody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft i
				height.
· <u></u>				
				Hydrophytic Vegetation
				Present? Yes No X
		=Total Cover		
·				

SOIL Sampling Point C2-R-H-5 Upl

		to the de				tor or co	onfirm the absence of i	indicators.)
Depth	Matrix			x Featur		. 2	- .	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
								_
								_
1			L De desert Metric N	40. 14			21	Dana Lining M. Matrin
	oncentration, D=Dep	letion, Riv	I=Reduced Matrix, I	/IS=IVIASI	ked Sand	Grains.		=Pore Lining, M=Matrix.
Hydric Soil I					(00) (Problematic Hydric Soils ³ :
Histosol	• •		Polyvalue Belo		ce (S8) (I	LRR R,		k (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	•				irie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf		-		49B) 5 cm Mucl	ky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	811) (LRF	R K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark	Surface (S9) (LRR K, L)
Depleted	l Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mang	ganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont	Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	⁷ 6)		Mesic Spo	odic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parer	nt Material (F21)
	edox (S5)		Redox Depress					low Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		,			plain in Remarks)
	face (S7)			, -,				,,
Bank Ban	1400 (07)							
³ Indicators of	hvdronhvtic vegetat	ion and w	etland hydrology mu	ıst he nr	esent ur	nless dist	urbed or problematic.	
	_ayer (if observed):		chana nyarology mi	aot bo pi	COOTIL, GI	ness dist	urbou or problematio.	
Type:	ayer (ii observeu).							
-								
Depth (ir	nches):						Hydric Soil Present	? Yes <u>No X</u>
Remarks:								
Soils consist	of railroad ballast.							



Upland C2-R-H-5 - View facing north.

SITE PHOTOGRAPHS

Project/Site: CHPE - Package 3 - South of Geyser Road - MP 154.6	City/County: Saratoga Sampling Date: 10/06/22					
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-Z_WET					
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa					
• • • • • • • • • • • • • • • • • • • •	relief (concave, convex, none): Convex Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,03',32.69"N	Long: 73°,49',06.98"W Datum:					
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: 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 Hydrology significantly disturb						
Are Vegetation, Soil, or Hydrologynaturally problema	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:					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) X Water-Stained Leaves (E						
High Water Table (A2) Aquatic Fauna (B13)	X Moss Trim Lines (B16)					
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres of Deposits (B2)						
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 Remark						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No X Depth (inches):	: <u></u>					
Water Table Present? Yes No X Depth (inches):						
Saturation Present? Yes X No Depth (inches):	<u>10</u> Wetland Hydrology Present? Yes X No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks:						

Absolute	Dominant Species?	Indicator	Dominance Test worksheet
% Cover	Species?	Status	Dominance Test worksheet:
			Number of Dominant Species
50	<u>res</u>	FAC	That Are OBL, FACW, or FAC: 7 (A)
			Total Number of Dominant
	· ——		Species Across All Strata: 7 (B)
			Percent of Dominant Species
			That Are OBL, FACW, or FAC: 100.0% (A/E
	· 		Prevalence Index worksheet:
65	=Total Cover		Total % Cover of: Multiply by:
)			OBL species x 1 =
			FACW species x 2 =
15	Yes	FAC	FAC species x 3 =
	·		FACU species x 4 =
			UPL species x 5 =
·	·		Column Totals: (A)(i
			Prevalence Index = B/A =
·			Hydrophytic Vegetation Indicators:
20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
			X 2 - Dominance Test is >50%
15	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
5	No	FACW	4 - Morphological Adaptations (Provide support
10	Yes	FACW	data in Remarks or on a separate sheet)
10	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5	No	FAC	¹ Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Vegetation Strata:
			Tree – Woody plants 3 in. (7.6 cm) or more in
			diameter at breast height (DBH), regardless of heigh
			Sapling/shrub – Woody plants less than 3 in. DBH
			and greater than or equal to 3.28 ft (1 m) tall.
			Herb – All herbaceous (non-woody) plants, regardle:
45	=Total Cover		of size, and woody plants less than 3.28 ft tall.
)			Woody vines – All woody vines greater than 3.28 ft
			height.
			<u> </u>
			Hydrophytic
			<u> </u>
	15 50 65 5 15 20 15 5 10 10 5	15 Yes 50 Yes 65 =Total Cover 5 Yes 15 Yes 20 =Total Cover 15 Yes 5 No 10 Yes 10 Yes 5 No	15

Profile Desc	cription: (Describe t	o the de	oth needed to docu	ıment tl	ne indica	tor or co	onfirm the absence of	f indicators.)
Depth	Matrix		Redox	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 4/1	100					Loamy/Clayey	
5-14	10YR 3/1	95	10YR 4/6	5	<u>C</u>	<u>M</u>	Sandy	Prominent redox concentrations
	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol	` '		Polyvalue Belo		ce (S8) (l	LRR R,		ick (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	•				rairie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa		-			icky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	311) (LRI	R K, L)		ie Below Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky I	Mineral	(F1) (LR I	R K , L)	Thin Dar	rk Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic S _l	podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	Sleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	ent Material (F21)
X Sandy F	Redox (S5)		Redox Depress	sions (F	8)		Very Sha	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K , L)			Other (E	xplain in Remarks)
? Dark Su	rface (S7)							
³ Indicators o	f hydrophytic vegetati	on and w	etland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Type:								
Depth (i	nches):						Hydric Soil Presei	nt? Yes X No
Remarks:		-41 41	and Nadhard Davi				O O As fractional attack NDO	20 Field Indicators of Hedric Ocite
	m is revised from Noi 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,
	oit possible due to sol					3/11105 14.	zpz_031293.docx)	



Wetland G-P3-Z



Wetland G-P3-Z- Soils

SITE PHOTOGRAPHS

Project/Site: CHPE - Package 3 - South of Geyser Road - MP 154.6	City/County: Saratoga Sampling Date: 10/06/22
Applicant/Owner: CHPE	State: NY Sampling Point: GP3-Z_UP
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
• • • • • • • • • • • • • • • • • • • •	relief (concave, convex, none): Convex Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,03',32.69"N	Long: 73°,49',06.98"W Datum:
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: None
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:
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) And Deposits (B15)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15) Water Marks (B1)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (Sediment Deposits (B2) Oxidized Rhizospheres	· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Drift Deposits (B3) Oxidized Rhizospheres Presence of Reduced In	
Algal Mat or Crust (B4) 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)	FAC-Neutral Test (D5)
	1 AO-Noutial Test (B9)
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	
Describe Necorded Data (stream gauge, monitoring well, aerial photos, pre	inique inspections), il available.
Remarks:	
1	

roo stratum (Piot cizo: 30')	Absolute	Dominant	Indicator	Deminor Took
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
Acer saccharum	40	Yes	FACU	Number of Dominant Species
Fraxinus americana	25	Yes	FACU	That Are OBL, FACW, or FAC: 0 (A)
		·		Total Number of Dominant
				Species Across All Strata: 7 (B)
·		·		Percent of Dominant Species
·				That Are OBL, FACW, or FAC: 0.0% (A/E
				Prevalence Index worksheet:
	65	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:)				OBL species x 1 =
Berberis thunbergii	10	Yes	FACU	FACW species x 2 =
Lonicera tatarica	5	Yes	FACU	FAC species x 3 =
Fraxinus americana	10	Yes	FACU	FACU species x 4 =
· <u></u>				UPL species x 5 =
				Column Totals: (A) (E
				Prevalence Index = B/A =
	'			Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%
Polystichum acrostichoides	15	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Dryopteris marginalis	25	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporti
Onoclea sensibilis	10	No	FACW	data in Remarks or on a separate sheet)
. Alliaria petiolata	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
. Carex	-			
	-			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
<u> </u>	-	· ——		
 -				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2.				
	55	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
		- Total Cover		of size, and woody plants less than 3.20 it tall.
loody Vino Stratum (Plot size: 15')				Woody vines – All woody vines greater than 3.28 ft
				height.
·				Ü
				Hydrophytic
				Hydrophytic Vegetation
·		=Total Cover		Hydrophytic

SOIL Sampling Point GP3-Z_UP

		o the de				itor or co	onfirm the absence of inc	dicators.)
Depth (in the ca)	Matrix	0/		x Featur		12	Taratuma	Demonto
(inches)	Color (moist)	400	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 3/2	100					Loamy/Clayey	
6-12	10YR 4/3	100					Loamy/Clayey	
							_	
¹Type: C=Co	ncentration, D=Deple	etion, RM	I=Reduced Matrix, N	 ∕/S=Mas	ked Sand	Grains.	² Location: PL=P	ore Lining, M=Matrix.
Hydric Soil I		·	·					roblematic Hydric Soils ³ :
Histosol ((A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B	•				e Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf		-			Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4) Layers (A5)		High Chroma S Loamy Mucky					elow Surface (S8) (LRR K, L) urface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			Χ (, L)		nese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	(, , , ,	Depleted Matri		. –,			oodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		6)			c (TA6) (MLRA 144A, 145, 149B)
Sandy Gl	leyed Matrix (S4)		Depleted Dark	Surface	(F7)			Material (F21)
	edox (S5)		Redox Depres	•	8)			v Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	RK,L)			Other (Expla	nin in Remarks)
Dark Sur	lace (S7)							
³ Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.	
	ayer (if observed):			•			·	
Type:								
Depth (in	ches):						Hydric Soil Present?	Yes No _X_
Remarks:								
			-					rield Indicators of Hydric Soils,
	2015 Errata. (http://w it possible due to soli					3/11105 14/	2p2_031293.d0cx)	
·	•			Ü				



Upland G-P3-Z



Upland G-P3-Z- Soils

SITE PHOTOGRAPHS

Project/Site:	Champlain Huds	son Express		City/Coun	nty: Sarato	oga	Sampling Da	ate: December 7, 2021			
Applicant/Owner:	СНА			State:	NY		Sampling Poi	oint: DP-CM			
Investigator(s):	Tristen Peterson Section, Township, Range: Saratoga Springs										
Landform (hillslope,		Depression		·	f (concave, con	-	oncave	Slope (%): 1			
	•	LRR R		Lat: 43.049983	•	Long: -73.818072°		Slope (78)			
Subregion (LRR or I					TN I	<u> </u>					
Soil Map Unit Name		eld loamy fine sand		•			•	Not Mapped			
Are climatic / hydrole	-		=				explain in Remarks.)				
		, or Hydrology				are "Normal Circums	stances" present?	Yes X No			
Are Vegetation	, Soil	, or Hydrology	natu	rally problematic?	? (If	f needed, explain ar	ny answers in Rema	ırks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.											
Hydrophytic Vege	etation Present?	Yes	X No		Is the Sample	ed Area					
Hydric Soil Preser		Yes	X No		within a Wetl		Yes X	No			
Wetland Hydrolog		Yes	X No		If yes, optiona	al Wetland Site ID:	CM				
HYDROLOGY											
	- I - Ucetoro							(' !			
Wetland Hydrolo			" "					(minimum of two required)			
		e is required; check			50)		Surface Soil Cracks (
Surface Water T				Stained Leaves (E	B9)		Drainage Patterns (B	·			
X High Water T X Saturation (A				c Fauna (B13) eposits (B15)			Moss Trim Lines (B1) Dry-Season Water Ta	·			
Water Marks	•			gen Sulfide Odor ((C1)		Crayfish Burrows (C				
Sediment De			_	ed Rhizospheres of							
Drift Deposits				nce of Reduced Iro	_	sturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)					
Algal Mat or	-			t Iron Reduction in							
Iron Deposits	, ,			luck Surface (C7)	•	Shallow Aquitard (D3)					
Inundation Vi	isible on Aerial Im	nagery (B7)	Other ((Explain in Remar	·ks)	<u> </u>	Microtopographic Relief (D4)				
Sparsely Veg	getated Concave	Surface (B8)				F	FAC-Neutral Test (D	95)			
Field Observation	ns:										
Surface Water Pre	esent?	Yes No									
Water Table Prese	ent?	Yes X No				Wetland Hydrol	logy Present?	Yes X No			
Saturation Presen		Yes X No	Depth	ı (inches): 5							
(includes capillary		auge, monitoring w	nhote	os previous inspe	octions) if availa	ahla:					
Describe Records	u Dala (Silvain 5	auge, monitoring	eli, aciiai prica	Jo, previous more	5000110j, 11 ava	able.					
Remarks:											

ree Stratum (Plot size: 30 ft.)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
·				Number of Dominant Species That Are OBL, FACW, or FAC:	2 (A)
				matric obe, thow, or the.	(\)
				Total Number of Dominant Species Across All Strata:	2 (B)
				Openios / toroco / till Otrata.	(D)
				Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B
·				Prevalence Index worksheet:	
				Total % Cover of:	Multiply by:
	0 :	= Total Cover			x 1 = <u>15</u>
oling/Shrub Stratum (Plot size: 15 ft.)				·	x 2 = 180
Rhamnus cathartica	10	Yes	FAC	FAC species 10	
				FACU species 0	
				UPL species 0	x = 0
				Column Totals: 115	(A) <u>225</u> (B)
				Prevalence Index = B/A =	= 1.95
				Liverantovia Variation India	-1
				Hydrophytic Vegetation Indication 1 - Rapid Test for Hydroph	
·				X 2 - Dominance Test is >50	
	10	= Total Cover		X 3 - Prevalence Index is ≤3.	
b Stratum (Plot size: 5 ft.)				4 - Morphological Adaptati	
Phalaris arundinacea	90	Yes	FACW	data in Remarks or on	a separate sneet)
Scirpus cyperinus	15	No	OBL	Problematic Hydrophytic V	egetation ¹ (Explain)
				¹ Indicators of hydric soil and we	etland hydrology must
				be present, unless disturbed or	problematic.
				Definitions of Vegetation Stra	ta:
				Tree – Woody plants 3 in. (7.6 c	
				at breast height (DBH), regardle	•
				Sapling/shrub – Woody plants	_
				and greater than or equal to 3.2	
				Herb – All herbaceous (non-wo	ody) plants regardless of
0				size, and woody plants less that	
1				Woody vines – All woody vines	greater than 3.28 ft in
2				height.	greater than 5.20 it in
	105	= Total Cover			
pody Vine Stratum (Plot size: 30 ft.)					
				Hydrophytic	
		-		Vegetation	V
				Present? Yes	X No
		= Total Cover			

SOIL Sampling Point: DP-CM Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Color (moist) Color (moist) Loc² (inches) Texture Remarks 10YR 4/2 7.5YR 5/8 Clay 7.5YR 5/8 10YR 4/2 70 Clay ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) X Redox Dark Surface (F6) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR K, L, R) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Bedrock Depth (inches): 8 Hydric Soil Present? Yes No Remarks: Could not dig past 8 inches due to bedrock



Wetland CM- View facing North



Wetland CM- Soils

SITE PHOTOGRAPHS

Project/Site:	Champlain Huds	son Express		City/Coun	nty: Sarato	oga	Sampling Date:	December 7, 2021		
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-CM-Upland		
Investigator(s):	Tristen Peterson Section, Township, Range: Saratoga Springs									
Landform (hillslope,		Hillslope			f (concave, con			Slope (%): 3		
	·				•					
Subregion (LRR or		LRR R		Lat: 43.049933	<u>°N</u>	Long: -73.818027°W		Datum: NAD83		
Soil Map Unit Name	e: DeB- Deerfi	eld loamy fine sand	d, 3 to 8 percen	it slopes		NWI cla	assification: Not N	Mapped		
Are climatic / hydrol	logic conditions or	n the site typical for	r this time of ye	ar? Yes	<u>X</u> N	o (If no, explain	in Remarks.)			
Are Vegetation	, Soil	, or Hydrology	signi	ificantly disturbed	? 4	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 – Attacł	າ site map ເ	showing sam	pling point	locations, transec	ts, important t	features, etc.		
Lludrophytic Vogo	etation Brocont?	Voc	No	Y	in the Sampl	ad Aron				
Hydrophytic Vege Hydric Soil Prese		-		X	Is the Sample within a Wet		No	X		
Wetland Hydrolog		-	No		If ves optiona	al Wetland Site ID:				
Remarks: (Explain		_			II yes, optione	di Welianu Site ib.				
HYDROLOGY	L. Bardana					Sacarda	Protess (might	() and surfaced		
Wetland Hydrolo								mum of two required)		
		e is required; check				· · · · · · · · · · · · · · · · · · ·	e Soil Cracks (B6)			
Surface Wat				Stained Leaves (E	B9)		ge Patterns (B10)			
High Water				c Fauna (B13)		Moss Trim Lines (B16)				
Saturation (A	•			eposits (B15)		Dry-Season Water Table (C2)				
Water Marks	-		_	gen Sulfide Odor (Crayfish Burrows (C8)				
Sediment De Drift Deposit	. , ,			ed Rhizospheres once of Reduced Iro	_	ts (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)				
Algal Mat or			_	t Iron Reduction ir	` '	<u> </u>				
Iron Deposits	` '			luck Surface (C7)	T Tilled Oollo (S	Shallow Aquitard (D3)				
	/isible on Aerial Im	nagery (B7)	_	(Explain in Remar	·ks)	Microtopographic Relief (D4)				
	getated Concave		`		,		eutral Test (D5)	,		
Field Observatio										
Surface Water Pre		Yes No	X Depth	(inches):						
Water Table Pres	ent?	Yes No	X Depth	(inches):		Wetland Hydrology P	resent? Yes	No <u>X</u>		
Saturation Preser		Yes No	X Depth	(inches):						
(includes capillary										
Describe Recorde	ed Data (stream ga	auge, monitoring w	ell, aerial photo	os, previous inspe	ections), if avail	able:				
Remarks:										
No wetland hyd	rology present a	at data point								

Tree Stratum (Plot size: 30 ft.)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1.				Number of Dominant Species That Are OBL, FACW, or FAC:	1 (A)	
2.					(^)	
3.				Total Number of Dominant Species Across All Strata:	3 (B)	
4				Persont of Dominant Species		
5.				Percent of Dominant Species That Are OBL, FACW, or FAC:	33.3 (A/B)	
6.						
7.				Prevalence Index worksheet: Total % Cover of: Mul	tiply by:	
		= Total Cover		OBL species <u>0</u> x 1 = <u>0</u>		
Sapling/Shrub Stratum (Plot size: 15 ft.)				FACW species 10 $\times 2 = 2$	20	
1. Alnus incana	10	Yes	FACW	FAC species $0 \times 3 = 0$	•	
2				FACU species <u>25</u> x 4 = <u>1</u>		
3) 120 (B)	
4.				Column Totals: 35 (A)	120 (B)	
5.				Prevalence Index = B/A = 3.42		
6.				Hydrophytic Vegetation Indicators:		
7.				1 - Rapid Test for Hydrophytic Vegetation		
	10	= Total Cover		2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹		
Herb Stratum (Plot size: 5 ft.)		= Total Cover		4 - Morphological Adaptations ¹ (Provi	de supporting	
Rubus idaeus	20	Yes	FACU	data in Remarks or on a separate	sheet)	
2 Fragaria virginiana	5	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
3.						
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 heigh	t.	
8.				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		
9.						
10.						
11.				size, and woody plants less than 3.28 ft tall.		
12.				Woody vines – All woody vines greater that height.	ın 3.28 ft in	
	25	= Total Cover				
Woody Vine Stratum (Plot size: 30 ft.)		•				
1.						
2.				Hydrophytic		
3.				Vegetation Present? Yes No	, x	
4.						
	0	= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.		_ 10tal 00vol		•		
No hydrophytic vegetation found at data point	,					

Sampling Point: DP-CM-Upland

SOIL Sampling Point: DP-CM-

Depth	ption: (Describe to the Matrix	е аеріп пеес		x Features	Committee	ie absence	oi muicators.)			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	ks	
0-12	10YR 3/3	100					Sand			
<u>, </u>	10111 6/6						Cana			
1Tunas C. Can	contration D Depletion	DM Doduc	and Matrix MC Manks	d Cand Crai			21 agation	DI Dara Lining M Mat	wh.	
	centration, D=Depletion	, RIVI=Reduc	ced Matrix, MS=Maske	a Sana Grai	ns.			PL=Pore Lining, M=Mat	_	
Hydric Soil In Histosol (Polyvalue Below	Surface (S8) (I RR R			or Problematic Hydric Suck (A10) (LRR K, L, M		
	ipedon (A2)		MLRA 149B)	Odridoc (OO	, (L IXIX IX,			rairie Redox (A16) (LRF		
Black His			Thin Dark Surface	ce (S9) (LRR	R, MLRA	149B)		ucky Peat or Peat (S3) (•	
Hydroger	n Sulfide (A4)		Loamy Mucky M	ineral (F1) (L	RR K, L)		Dark Surface (S7) (LRR K, L, M)			
Stratified	Layers (A5)		Loamy Gleyed M	fatrix (F2)			Polyvalu	ue Below Surface (S8) (LRR K, L)	
Depleted	Below Dark Surface (A	11)	Depleted Matrix	(F3)			Thin Da	rk Surface (S9) (LRR K	, L)	
	rk Surface (A12)		Redox Dark Surf					nganese Masses (F12)		
	ucky Mineral (S1)		Depleted Dark S					nt Floodplain Soils (F19		
	eyed Matrix (S4) edox (S5)		Redox Depression	ons (F8)				podic (TA6) (MLRA 144 rent Material (F21)	IA, 145, 149B)	
	Matrix (S6)							allow Dark Surface (TF1	12)	
	face (S7) (LRR R, MLR	A 149B)						Explain in Remarks)	12)	
	(- / (- /						,		
³ Indicators of	hydrophytic vegetation a	and wetland I	hydrology must be pre	sent, unless	disturbed o	r problemat	ic.			
	yer (if observed):		, ,	•						
Type: Bed	rock									
Depth (inc	hes): 12						Hydric Soil Pr	resent? Yes	No X	
Remarks:							<u>I</u>			
	resent at data point, could n	ot dig past 12	inches due to bedrock							



Upland CM- View facing North



Upland CM- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Package 3 - North of Route 50 - MP 155.6	City/County: Saratoga Sampling Date: 10/06/22
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-X_WET
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
Landform (hillside, terrace, etc.): Outwash Plains Local	relief (concave, convex, none): Convex Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,02',36.92"N	Long: 73°,49',07.90"W Datum:
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: 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 Hydrology significantly disturb	<u> </u>
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
	T
Hydrophytic Vegetation Present? Hydric Soil Present? Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	within a Wetland? Yes X No No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	ii yes, optional wetland one ib.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) X Water-Stained Leaves (I	
High Water Table (A2) Aquatic Fauna (B13)	X Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor ((C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in	• • • • • • • • • • • • • • • • • • • •
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes X No Depth (inches):	<u>10</u> Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Demodra	
Remarks:	

VEGETATION – Use scientific names of plants.

ree Stratum (Plot size: 30') Fraxinus pennsylvanica Acer rubrum Pinus strobus appling/Shrub Stratum (Plot size: 15') Cornus amomum Acer rubrum Lonicera tatarica		Yes Yes Yes Yes Total Cover	FACW FAC FACU	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A) Total Number of Dominant Species Across All Strata: 9 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 77.8% (A/B)
Acer rubrum Pinus strobus apling/Shrub Stratum (Plot size: 15') Cornus amomum Acer rubrum Lonicera tatarica	25 10 50	Yes	FAC	That Are OBL, FACW, or FAC: 7 (A) Total Number of Dominant Species Across All Strata: 9 (B) Percent of Dominant Species
Pinus strobus apling/Shrub Stratum (Plot size: 15') Cornus amomum Acer rubrum Lonicera tatarica	50	Yes		Total Number of Dominant Species Across All Strata: 9 (B) Percent of Dominant Species
apling/Shrub Stratum (Plot size: 15') Cornus amomum Acer rubrum Lonicera tatarica	50		FACU	Species Across All Strata: 9 (B) Percent of Dominant Species
apling/Shrub Stratum (Plot size: 15') Cornus amomum Acer rubrum Lonicera tatarica	50			Percent of Dominant Species
apling/Shrub Stratum (Plot size: 15') Cornus amomum Acer rubrum Lonicera tatarica	50			·
apling/Shrub Stratum (Plot size: 15') Cornus amomum Acer rubrum Lonicera tatarica	50			That Are OBL, FACW, or FAC: 77.8% (A/B
Cornus amomum Acer rubrum Lonicera tatarica		=Total Cover		`
Cornus amomum Acer rubrum Lonicera tatarica		=Total Cover		Prevalence Index worksheet:
Cornus amomum Acer rubrum Lonicera tatarica	5			Total % Cover of: Multiply by:
Acer rubrum Lonicera tatarica	5			OBL species x 1 =
Lonicera tatarica		Yes	FACW	FACW species x 2 =
	15	Yes	FAC	FAC species x 3 =
	5	Yes	FACU	FACU species x 4 =
				UPL species x 5 =
				Column Totals: (A) (B
		·		Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Onoclea sensibilis	15	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
Dryopteris intermedia	5	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting
Lysimachia nummularia	10	Yes	FACW	data in Remarks or on a separate sheet)
Athyrium angustum	20	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
				1 and a second s
				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
1				and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardles
	50	=Total Cover		of size, and woody plants less than 3.28 ft tall.
/oody Vine Stratum (Plot size:15')				Woody vines – All woody vines greater than 3.28 ft i
				height.
				Hydrophytic Vegetation
		·		Present? Yes X No
		=Total Cover		
emarks: (Include photo numbers here or on a separate	sheet)			

Depth	Matrix		Redo	x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 4/1	100					Loamy/Clayey	
3-14	10YR 3/1	95	10YR 4/6	5	<u>C</u>	<u>M</u>	Sandy	Prominent redox concentrations
					_			
					_			
¹ Type: C=Co	ncentration, D=Depl	etion, RM:	=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.
Black His Hydroger Stratified Depleted Thick Dan Sandy Mi Sandy Gl X Sandy Re Stripped ? Dark Surf	A1) pedon (A2) tic (A3) a Sulfide (A4) Layers (A5) Below Dark Surface k Surface (A12) ucky Mineral (S1) eyed Matrix (S4) edox (S5) Matrix (S6) face (S7)		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR) ace (S9) Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F6 R K, L)	(LRR R 611) (LRR (F1) (LRI F2) 66) (F7) 8)	, MLRA 1 R K, L) R K, L)	2 cm Mt ? Coast P 49B) 5 cm Mt Polyvalu Thin Da Iron-Mai Piedmoi Mesic S Red Par Very Sh	or Problematic Hydric Soils ³ : ck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R) de Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) allow Dark Surface (F22) explain in Remarks)
Type: _ Depth (in	ches):		<u></u>				Hydric Soil Prese	nt? Yes X No
Version 7.0, 2	n is revised from Noi 2015 Errata. (http://w t possible due to sol	ww.nrcs.u	sda.gov/Internet/F	SE_DOC	CUMENT			CS Field Indicators of Hydric Soils,



Wetland G-P3-X

Wetland G-P3-X- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Package 3 - North of Route 50 - MP 155.6	City/County: Saratoga Sampling Date: 10/06/22
Applicant/Owner: CHPE	State: NY Sampling Point: GP3-X_UP
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
Landform (hillside, terrace, etc.): Outwash Plains Local	relief (concave, convex, none): Convex Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,03',36.92"N	Long: 73°,49',07.90"W Datum:
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Somman or Findings - Attach site map showing same	pling point locations, transects, important leatures, 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.)	
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 (B	<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 (
Sediment Deposits (B2) Oxidized Rhizospheres of	
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)	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):	
(includes capillary fringe)	Total in the state of the state
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections) if available:
Boombo Noordod Bata (otroam gaage, memoring well, denai prietee, pro	vious inspections, il uvaliusie.
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30') 1. Acer saccharum	20	Species?	Status FACU	Dominance rest worksheet:
	15	Yes Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
2. Fraxinus americana				That Are OBL, FACW, or FAC:3(A)
3. Pinus strobus4.	20	Yes	FACU	Total Number of Dominant Species Across All Strata: 10 (B)
5. 6.		·		Percent of Dominant Species That Are OBL, FACW, or FAC: 30.0% (A/B)
7.				Prevalence Index worksheet:
	55	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species x 1 =
1. Carpinus caroliniana	10	Yes	FAC	FACW species x 2 =
2. Lonicera tatarica	10	Yes	FACU	FAC species x 3 =
3. Fraxinus americana	10	Yes	FACU	FACU species x 4 =
4.				UPL species x 5 =
5.				Column Totals: (A) (B)
6.		· <u></u>		Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Polystichum acrostichoides	5	No	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Dryopteris marginalis	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Athyrium angustum	20	Yes	FAC	data in Remarks or on a separate sheet)
4. Alliaria petiolata	10	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5.6.		·		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12	45	=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: 15')				Weeds since All weeds since greater than 2.29 ft in
1. Toxicodendron radicans	5	Yes	FAC	Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
	5	=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet)	•		
(,			

Sampling Point: GP3-X_UP

SOIL Sampling Point GP3-X_UP

		o the de				tor or c	onfirm the absence of ind	icators.)
Depth (in the ca)	Matrix	0/		x Featur		1 2	Tarakuma	Damanka
(inches) 0-8	Color (moist) 10YR 3/2	100	Color (moist)	<u></u> %	Type ¹	Loc ²	Texture	Remarks
		100					Sandy	_
8-12	10YR 4/3	100					Mucky Loam/Clay	
								_
¹ Type: C=Co	ncentration, D=Deple	etion. RM	I=Reduced Matrix. N	/IS=Mas	ked Sand	Grains.	² Location: PL=P	ore Lining, M=Matrix.
Hydric Soil I		,	,					roblematic Hydric Soils ³ :
Histosol ((A1)		Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,	2 cm Muck (/	A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B	,				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) Below Dark Surface	(Δ11)	Loamy Mucky Loamy Gleyed			₹ K, L)		ırface (S9) (LRR K, L) ese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	(Δ11)	Depleted Matri		1 2)			podplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		6)			c (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark		•			Material (F21)
Sandy Re	edox (S5)		Redox Depress	sions (F	8)		Very Shallow	Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	RK, L)			Other (Expla	in in Remarks)
Dark Sur	face (S7)							
3Indicators of	hydrophytic yogotati	on and w	rotland bydrology mi	ist ha ni	ocont ur	loce die	turbed or problematic.	
	ayer (if observed):	on and w	eliand flydrology mi	ast be bi	esent, ui	iless uis	lurbed or problematic.	
Type:								
Depth (in	ches):						Hydric Soil Present?	Yes No _X_
Remarks:							J	
			_					ield Indicators of Hydric Soils,
	2015 Errata. (http://w it possible due to soli					S/nrcs14	(2p2_051293.docx)	
				3 - ···-				



Upland G-P3-X

Upland G-P3-X- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Package 3 - North of Route 50 - MP 155.4	City/County: Saratoga Sampling Date: 10/06/22
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-Y_WET
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
• • • • • • • • • • • • • • • • • • • •	relief (concave, convex, none): Convex Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,02',52.32"N	Long: 73°,49',06.70"W Datum:
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: 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 Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problema	tic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing samp	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)
Surface Water (A1) X Water-Stained Leaves (B	
High Water Table (A2) Aquatic Fauna (B13) April Deposits (B15)	X Moss Trim Lines (B16) Dry-Season Water Table (C2)
X Saturation (A3) — Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (0	
Sediment Deposits (B2) Valer Marks (B1) Sediment Deposits (B2) Oxidized Rhizospheres o	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
	<u>X 17/6 (166) (166)</u>
Field Observations: Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches): Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	wettand hydrology Present: res No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Describe Recorded Bata (Stream gauge, monitoring won, dental photos, pro-	vious inspections), il avaliable.
Remarks:	
T .	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Fraxinus pennsylvanica	15	Yes	FACW	Dominance rest worksheet.
Acer rubrum	30	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)
3. Ulmus americana	15	Yes	FACW	That Ale Obl., I AGW, OF AG.
4.	15	163	TACV	Total Number of Dominant Species Across All Strata: 8 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7.				Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species x 1 =
1. Cornus racemosa	10	Yes	FACW	FACW species x 2 =
2. Alnus incana	10	Yes	FACW	FAC species x 3 =
3. Lindera benzoin	5	Yes	FACW	FACU species x 4 =
4.				UPL species x 5 =
5.				Column Totals: (A) (B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	25	=Total Cover	(<u> </u>	1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	15	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Agrostis alba	5	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Lysimachia nummularia	5	No	FACW	data in Remarks or on a separate sheet)
4. Symplocarpus foetidus	10	Yes	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6	-			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 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.			(<u> </u>	
	35	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				Hydrophytic
3.				Vegetation
4.				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: G-P3-Y_WET

Profile Desc	ription: (Describe t	o the de	oth needed to docu	ment th	ne indica	tor or co	onfirm the absence o	f indicators.)
Depth	Matrix		Redox	κ Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	7.5YR 4/1	100					Loamy/Clayey	
5-14	10YR 3/1	95	10YR 4/6	5	С	М	Sandy	Prominent redox concentrations
								·
¹ Type: C=Co	ncentration, D=Depl	etion, RM	=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators f	or Problematic Hydric Soils ³ :
Histosol (A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)		MLRA 149B))			? Coast P	rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa		-		· —	ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					ue Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I			R K, L)		rk Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matrix					nt Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su	•	•			podic (TA6) (MLRA 144A, 145, 149B)
X Sandy Re	eyed Matrix (S4)		Depleted Dark Redox Depress					rent Material (F21) allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	`	5)			Explain in Remarks)
? Dark Sur			Wan (1 10) (ER	ix ix, L)				zypiam m Kemarko)
Bank Bank	(67)							
³ Indicators of	hydrophytic vegetati	on and w	etland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
	ayer (if observed):		, 0,		-		Ī	
Type:								
Depth (in	ches):						Hydric Soil Prese	nt? Yes X No
Remarks:	,							
	n is revised from Nor	thcentral	and Northeast Regi	onal Su	pplement	t Version	2.0 to include the NR0	CS Field Indicators of Hydric Soils,
	2015 Errata. (http://w							
No soil test pi	t possible due to soli	id substra	te of cobble and dre	edge ma	terial.			



Wetland G-P3-Y

Wetland G-P3-Y- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Package 3 - North of Route 50 - MP 155.4	City/County: Saratoga Sampling Date: 10/06/22
Applicant/Owner: CHPE	State: NY Sampling Point: GP3-Y_UF
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
- , ,	cal relief (concave, convex, none): Convex Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,02',52.32"N	
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year'	? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly dis	
Are Vegetation, Soil, or Hydrology naturally proble	
	impling point locations, transects, important features, etc.
	T
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No X No X	Is the Sampled Area within a Wetland? Yes No_X_
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	in yee, optionial residence of
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leave	s (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odd	
<u> </u>	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced	
Algal Mat or Crust (B4) Recent Iron Reduction	
Iron Deposits (B5) Thin Muck Surface (C	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Ren	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inche	es):
Water Table Present? Yes No X Depth (inche	ns):
Saturation Present? Yes No X Depth (inche	es): Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:
Remarks:	
Nemans.	

VEGETATION – Use scientific names of plants.

Dominant Species BL, FACW, or FAC: Deer of Dominant ross All Strata: Dominant Species BL, FACW, or FAC: Dominant Species BL, FACW, or FAC: Dominant Species BL, FACW, or FAC: De Index worksheet: Multiply by: Des x 1 =
BL, FACW, or FAC: 1 (A) per of Dominant ross All Strata: 8 (B) Dominant Species BL, FACW, or FAC: 12.5% (A/B) Per Index worksheet: Multiply by: 2 (A/B) Per Index worksheet: 2 (A/B) Per Index worksheet: 3 (A/B) Per Index worksheet: 4 (A/B)
per of Dominant ross All Strata: Dominant Species BL, FACW, or FAC: I 12.5% (A/B) I Index worksheet: Cover of: Multiply by: Solve Sign Sign Sign Sign Sign Sign Sign Sign
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BL, FACW, or FAC: 12.5% (A/B) e Index worksheet: % Cover of: Multiply by: es x 1 = cies x 2 = es x 3 =
% Cover of: Multiply by: es
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tals: (A) (B)
valence Index = B/A =
ic Vegetation Indicators:
oid Test for Hydrophytic Vegetation
ninance Test is >50%
valence Index is ≤3.0 ¹
phological Adaptations ¹ (Provide supporting
in Remarks or on a separate sheet)
matic Hydrophytic Vegetation ¹ (Explain)
of hydric soil and wetland hydrology must unless disturbed or problematic.
of Vegetation Strata:
ody plants 3 in. (7.6 cm) or more in breast height (DBH), regardless of height.
with Moody planta loss than 2 in DDII
rub – Woody plants less than 3 in. DBH
than or equal to 3.28 ft (1 m) tall.
than or equal to 3.28 ft (1 m) tall. nerbaceous (non-woody) plants, regardless I woody plants less than 3.28 ft tall.
than or equal to 3.28 ft (1 m) tall. nerbaceous (non-woody) plants, regardless
than or equal to 3.28 ft (1 m) tall. nerbaceous (non-woody) plants, regardless I woody plants less than 3.28 ft tall. es – All woody vines greater than 3.28 ft in
than or equal to 3.28 ft (1 m) tall. nerbaceous (non-woody) plants, regardless woody plants less than 3.28 ft tall. es – All woody vines greater than 3.28 ft in
than or equal to 3.28 ft (1 m) tall. nerbaceous (non-woody) plants, regardless woody plants less than 3.28 ft tall. es – All woody vines greater than 3.28 ft in
r

Sampling Point: GP3-Y_UP

SOIL Sampling Point GP3-Y_UP

Depth (inches) Color (moist) % Type Loc* Texture Remarks 0-14
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Cocation: PL=Pore Lining, M=Matrix.
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. **Pydric Soil Indicators:** Histosol (A1)
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Black Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Hydrogen Sulfide (A4) Black Histic (A3) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Redox Depressions (F8) Dark Surface (S7) Bright Matrix (S6) Dark Surface (S7) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Very Sheld Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Black Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Bright Goberness Brigh
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Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Black Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Bright Goberness Brigh
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Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified 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) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Plothicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)
Histic Epipedon (A2) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Thick Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Thin Dark Surface (F22) Stripped Matrix (S6) Dark Surface (S7) Thin Dark Surface (F22) Wesic Spodic (TA6) (MLRA 144A, 145, 149B) Sendy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Dark Surface (S7) Thin Dark Surface (F22) Wesic Spodic (TA6) (MLRA 144A, 145, 149B) Sendy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Dark Surface (S7) Type: Depth (inches): Depth (inches): Type: Depth (inches): Type: Depth (inches): Depth (inches): Type: Depth (inches): Depth (inches): Type: Depth (inches): Depth (inches): Type: Depth (inches): Depth (inches): Type: Depth (inches): Depth (inches): Type: Depth (inches): Type: Depth (inches): Depth (inches): Depth (inches): Type: Depth (inches): Depth (inches): Depth (inches): Type: Depth (inches): Depth (
Black Histic (A3)
Stratified Layers (A5)
Depleted Below Dark Surface (A11)
Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) 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) (LRR K, L) Other (Explain in Remarks) Bindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) 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) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)
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) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)
Sandy Redox (S5)
Stripped Matrix (S6)
Dark Surface (S7) Bindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Depth (inches): Hydric Soil Present? Yes NoX Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)
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Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)
Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)
Type: Depth (inches): Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)
Depth (inches): Hydric Soil Present? Yes NoX
Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)
This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)



Upland G-P3-Y

Upland G-P3-Y- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Champlain Huds	on Express		City/Coun	nty: Sarato	oga	Sampling Date:	December 7, 2021	
Applicant/Owner:	СНА			State:	NY		Sampling Point:	DP-CQ	
Investigator(s):	tor(s): Tristen Peterson Section, Township, Range: Saratoga Spring								
Landform (hillslope,	terrace, etc.):	Depression		Local relief	f (concave, con	nvex, none): Concave)	Slope (%):1	
Subregion (LRR or I		LRR R		Lat: 43.045678°	°N	Long: -73.817987°W		Datum: NAD83	
Soil Map Unit Name		d soils complex, non	-calcareous	substratum, 0 to 3	3 percent slopes		assification: Not M	Mapped	
		the site typical for th	nis time of ye	ear? Yes	ΧN	lo (If no, explain			
•	=	, or Hydrology	-			Are "Normal Circumstances	*	Yes X No	
		, or Hydrology				If needed, explain any ansv	•	.00 1	
						t locations, transect		eatures, etc.	
					1				
Hydrophytic Vege Hydric Soil Preser		Yes Yes	X No		Is the Sample within a Wetl		X No	<u>-</u>	
Wetland Hydrolog		Yes	X No		If ves, options	al Wetland Site ID:	CQ		
		lures here or in a sep depression area ac							
HYDROLOGY									
Wetland Hydrolo								num of two required)	
-		is required; check a					e Soil Cracks (B6)		
Surface Water			_	-Stained Leaves (E	39)		ge Patterns (B10)		
X High Water T X Saturation (A	* *			ic Fauna (B13) Deposits (B15)			rim Lines (B16) ason Water Table ((C2)	
Water Marks	-		_	gen Sulfide Odor ((C1)		h Burrows (C8)	(02)	
Sediment De				ed Rhizospheres o			tion Visible on Aeria	al Imagery (C9)	
Drift Deposits				nce of Reduced Iro	_	· ·	d or Stressed Plants		
Algal Mat or	Crust (B4)		Recen	nt Iron Reduction in	n Tilled Soils (C	Geomorphic Position (D2)			
Iron Deposits	s (B5)		Thin M	Muck Surface (C7)		Shallow Aquitard (D3)			
l —	isible on Aerial Im		Other	(Explain in Remark	·ks)		pographic Relief (D	04)	
Sparsely Veç	getated Concave S	Surface (B8)				FAC-No	eutral Test (D5)		
Field Observation			 5						
Surface Water Pre		Yes No No				Maria and Hardraham D	Vaa	V M-	
Water Table Presen		Yes X No				Wetland Hydrology P	resentr res	No	
(includes capillary		165 <u>A</u> 110 _		I (IIIOIICo). U					
		auge, monitoring well	l, aerial phot	os, previous inspe	ections), if availa	able:			
Domorke									
Remarks:									

ree Stratum (Plot size: 30 ft.)	Absolute % Cover	Dominant Species?	ndicator Status	Dominance Test worksheet:	
1				Number of Dominant Species That Are OBL, FACW, or FAC:	1 (A)
				That Are OBL, FACW, or FAC.	1(A)
2				Total Number of Dominant	(5)
3				Species Across All Strata:	(B)
4				Percent of Dominant Species	400 (4/5
5.				That Are OBL, FACW, or FAC:	(A/E
S				Prevalence Index worksheet:	
7.				Total % Cover of:	Multiply by:
	0	= Total Cover		OBL species 95	x 1 = 95
apling/Shrub Stratum (Plot size: 15 ft.)				FACW species 5	x 2 = 10
•				FAC species 0	x 3 = 0
2.				FACU species 0	x 4 = 0
·-				UPL species 0	x 5 = 0
S				Column Totals: 100	(A) <u>105</u> (B
l				Dec. 1 1 5	4.05
i				Prevalence Index = B/A =	= 1.05
S				Hydrophytic Vegetation Indica	
⁷				X 1 - Rapid Test for Hydroph	
	0	= Total Cover		X 2 - Dominance Test is >50 X 3 - Prevalence Index is ≤3.	
erb Stratum (Plot size: 5 ft.)		- Total Gover		4 - Morphological Adaptation	
. Carex flava	 95	Yes	OBL	data in Remarks or on	
			FACW	Problematic Hydrophytic V	egetation ¹ (Explain)
			FACW		
3.				¹ Indicators of hydric soil and we be present, unless disturbed or	·
l				be present, unless disturbed of	problematic.
j.				Definitions of Vegetation Stra	ta:
S				Tree – Woody plants 3 in. (7.6 c	cm) or more in diameter
7				at breast height (DBH), regardle	ess of height.
3				Sapling/shrub – Woody plants	less than 3 in. DBH
).				and greater than or equal to 3.2	8 ft (1 m) tall.
10.				Herb – All herbaceous (non-wo	
				size, and woody plants less that	n 3.28 ft tall.
11.				Woody vines – All woody vines	greater than 3.28 ft in
12				height.	
	100	= Total Cover			
loody Vine Stratum (Plot size: 30 ft.)					
				Hydrophytic Vegetation	
L.					X No
<u> </u>					
` 	0	= Total Cover			
		= TOTAL COVE			

SOIL Sampling Point: DP-CQ Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Color (moist) Color (moist) (inches) % Texture Remarks 10YR 2/1 100 Sand 2.5YR 3/2 100 Sand ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) 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) X Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Bedrock Hydric Soil Present? Yes Depth (inches): No Remarks:



Wetland CQ- View facing North



Wetland CQ- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Champlain Huds	on Express		City/Cour	nty: Sarato	oga	Sampling Date:	December 7, 2021		
Applicant/Owner:	СНА		<u> </u>	State:	NY	DP-CQ-Upland				
Investigator(s):	Tristen Peterson Section, Township, Range: Saratoga Springs									
Landform (hillslope,	terrace, etc.):	Plain			f (concave, con			Slope (%): 1		
Subregion (LRR or I	,	LRR R	La	at: 43.045651	•	Long: -73.818013°W		Datum: NAD83		
Soil Map Unit Name	Wa - Waylan	nd soils complex, non-c				es, frequently	ssification: Not N	//apped		
•		the site typical for this	time of year?	Voc	¥ N	o (If no, explain		парроч		
•	•	**	•		<u> </u>			. V No		
		, or Hydrology				Are "Normal Circumstance:	•	Yes X No		
Are Vegetation	, Soil	, or Hydrology	naturally	y problematic?	? (I	f needed, explain any ans	wers in Remarks.)			
SUMMA	RY OF FINDI	NGS – Attach sit	e map sho	owing sam	pling point	locations, transec	ts, important f	eatures, etc.		
Hydrophytic Vege	etation Present?	Yes	No	х	Is the Sample	ed Area				
Hydric Soil Preser		Yes	No No	X	within a Wet		No	X		
Wetland Hydrolog		Yes	No	Х	If yes, optiona	al Wetland Site ID:				
HYDROLOGY										
	an Indiantoro					Cananda	m. Indiantoro (minis	ours of two required)		
Wetland Hydrolo		in an accionado alemato alt	h - 4 h .)					num of two required)		
		is required; check all the		inad Lagyas (P0\		e Soil Cracks (B6)			
Surface Water T		_		iined Leaves (I auna (B13)	Б 9)		ge Patterns (B10) rim Lines (B16)			
Saturation (A		_	Marl Depo				ason Water Table	(C2)		
Water Marks	•	_	_	Sulfide Odor ((C1)		h Burrows (C8)	(02)		
Sediment De		_			on Living Roots		tion Visible on Aeria	al Imagery (C9)		
Drift Deposits	. , ,	_		of Reduced Ire	•	• •	d or Stressed Plant			
Algal Mat or	Crust (B4)	_	Recent Iro	n Reduction in	n Tilled Soils (C	(C6) Geomorphic Position (D2)				
Iron Deposits	s (B5)	_	Thin Muck	Surface (C7)		Shallow Aquitard (D3)				
	isible on Aerial Ima		_ Other (Exp	plain in Remar	rks)	Microtopographic Relief (D4)				
Sparsely Veg	getated Concave S	Surface (B8)				FAC-N	eutral Test (D5)			
Field Observation										
Surface Water Pre		Yes No X						٧		
Water Table Prese		Yes No X				Wetland Hydrology P	resent? Yes	No <u>X</u>		
Saturation Presen (includes capillary		Yes NoX	Deptn (In	ches):						
		auge, monitoring well, a	aerial photos,	previous inspe	ections), if avail	able:				
	•		•		•					
Remarks: No wetland hydr	rology present a	t data point								

Tree Stratum (Plot size: 30 ft.)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
Pinus strobus	40	Yes	FACU	Number of Dominant Species			
2.		163	1700	That Are OBL, FACW, or FAC: 0 (A)			
3.				Total Number of Dominant Species Across All Strata: 4 (B)			
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)			
6.							
7				Prevalence Index worksheet: Total % Cover of: Multiply by:			
·· <u></u>		= Total Cover		OBL species 0 x 1 = 0			
Sapling/Shrub Stratum (Plot size: 15 ft.)				FACW species $0 x 2 = 0$			
Pinus strobus	10	Yes	FACU	FAC species <u>0</u> x 3 = <u>0</u>			
2.				FACU species <u>65</u> x 4 = <u>260</u>			
3.				UPL species <u>0</u>			
4.				Column Totals: <u>65</u> (A) <u>260</u> (B)			
5.				Prevalence Index = B/A = 4			
6.				Hydrophytic Vegetation Indicators:			
7				1 - Rapid Test for Hydrophytic Vegetation			
	40	= Total Cover		2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹			
Herb Stratum (Plot size: 5 ft.)	10	= Total Cover		4 - Morphological Adaptations ¹ (Provide supporting			
Rosa multiflora	5	Yes	FACU	data in Remarks or on a separate sheet)			
2. Rubus idaeus			FACU	Problematic Hydrophytic Vegetation ¹ (Explain)			
3.				¹ Indicators of hydric soil and wetland hydrology must			
4.				be present, unless disturbed or problematic.			
5.				Definitions of Vegetation Strata:			
6.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter			
7				at breast height (DBH), regardless of height.			
8.				Sapling/shrub – Woody plants less than 3 in. DBH			
9.				and greater than or equal to 3.28 ft (1 m) tall.			
10				Herb – All herbaceous (non-woody) plants, regardless of			
11.				size, and woody plants less than 3.28 ft tall.			
12.				Woody vines – All woody vines greater than 3.28 ft in height.			
	15	= Total Cover	_				
Woody Vine Stratum (Plot size: 30 ft.)							
1							
2				Hydrophytic Vegetation			
3				Present? Yes No _X			
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-CQ-Upland

SOIL Upland Sampling Point: DP-CQ-

Profile Descri	ption: (Describe to the	depth need	ed to document the	indicator or	confirm th	ne absence	of indicators.)				
Depth	Matrix			x Features	- _{- 1}	. 2	- .				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0-7	10YR 4/6	100					Sand	Root compaction			
_ 											
1 _{Typo:} C-Con	centration, D=Depletion,	PM-Poduc	od Matrix MS-Maska	d Sand Grai			² I ocation:	PL=Pore Lining, M=Matrix.			
		KIVI=Reduc	eu Marix, MS=Maske	u Sanu Giai	115.						
Hydric Soil In			Delining D. I	C) /I BB B			or Problematic Hydric Soils ³ :			
Histosol (•	•	Polyvalue Below	Surface (S8) (LRR R,			luck (A10) (LRR K, L, MLRA 149B)			
	pedon (A2)		MLRA 149B)					Prairie Redox (A16) (LRR K, L, R)			
Black His		•	Thin Dark Surface			149B)		lucky Peat or Peat (S3) (LRR K, L, R)			
	Sulfide (A4)	•	Loamy Mucky M		RR K, L)			urface (S7) (LRR K, L, M)			
Stratified Layers (A5)				Loamy Gleyed Matrix (F2) — Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)							
	Below Dark Surface (A1	1)	Depleted Matrix					ark Surface (S9) (LRR K, L)			
	rk Surface (A12)	,	Redox Dark Surf					anganese Masses (F12) (LRR K, L, R)			
	ucky Mineral (S1)	,	Depleted Dark S					ont Floodplain Soils (F19) (MLRA 149B)			
	eyed Matrix (S4)	,	Redox Depression	ons (F8)				Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy Re	edox (S5)			arent Material (F21)							
Stripped	Matrix (S6)						Very SI	hallow Dark Surface (TF12)			
Dark Surf	face (S7) (LRR R, MLRA	149B)					Other (Explain in Remarks)				
³ Indicators of I	nydrophytic vegetation ar	nd wetland h	ydrology must be pre	sent, unless	disturbed o	r problemati	ic.				
	yer (if observed):										
Type: Non	e										
Depth (incl							Hydric Soil P	Present? Yes No X			
							1.,,				
Remarks:	st 7 inches due to root compa	action no hydr	ic soils present at data po	nint							
oodid flot dig par	or 7 mones and to root compe	ionon, no nya	io dollo prodorti di dala pe	,,,,,,							



Upland CQ- View facing North



Upland CQ- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 01/09/2023
Applicant/Owner: TDI	State: NY Sampling Point: Wet P3-L
Investigator(s): C. Scrivner & J. Greaves	Section, Township, Range:
	Local relief (concave, convex, none): Concave Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 43.04219°N	
Soil Map Unit Name: WnB: Windsor loamy sand, 3 to 8 percent slop	
	
Are climatic / hydrologic conditions on the site typical for this time of your conditions.	
Are Vegetation, Soil, or Hydrologysignificantly	
Are Vegetation, Soil, or Hydrologynaturally pro	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near flag P3-L-1
Remarks: (Explain alternative procedures here or in a separate repo	
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 Le	paves (B9) Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B	13) Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B1	5) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide	Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizosp	heres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Redu	uced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)Recent Iron Redu	ction in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surfac	e (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 (ir	nches):
	nches): 12
Saturation Present? Yes X No Depth (ir	nches): 8 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial phote	os, previous inspections), if available:
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Ctrotum (Plot size: 20)	Absolute	Dominant	Indicator	Daminanaa Taat waxkahaat:			
Tree Stratum (Plot size: 30') 1. Acer rubrum	% Cover 55	Species? Yes	Status FAC	Dominance Test worksheet:			
	15	No	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)			
	-			That Are Obl., FACW, 01 FAC. 4 (A)			
3. Fraxinus pennsylvanica4.	10	No No	FACW	Total Number of Dominant Species Across All Strata: 4 (B)			
5				Percent of Dominant Species			
6				That Are OBL, FACW, or FAC: 100.0% (A/B)			
7				Prevalence Index worksheet:			
	80	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:)				OBL species 5 x 1 = 5			
1. Ilex verticillata	25	Yes	FACW	FACW species 75 x 2 = 150			
2. Ulmus americana	5	No	FACW	FAC species 55 x 3 = 165			
3				FACU species 0 x 4 = 0			
4.				UPL species0 x 5 =0			
5				Column Totals: 135 (A) 320 (B)			
6.				Prevalence Index = B/A = 2.37			
7.				Hydrophytic Vegetation Indicators:			
	30	=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	X 3 - Prevalence Index is ≤3.0 ¹			
Carex stricta	5	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting			
3.				data in Remarks or on a separate sheet)			
4.				Problematic Hydrophytic Vegetation ¹ (Explain)			
5							
•				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8.				Definitions of Vegetation Strata.			
· -				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			
	25	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2				Hydrophytic			
3.				Vegetation			
4				Present?			
		=Total Cover					
Remarks: (Include photo numbers here or on a separa	ate sheet.)						

Sampling Point:

Wet P3-L

SOIL Sampling Point: Wet P3-L

Profile Desci Depth	ription: (Describe t Matrix	o the dep		ment th x Featur		tor or co	nfirm the absence of	indicators.)				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks				
0-8	10YR 2/1	100	(e.y		.) 0		Loamy/Clayey	- Tomanie				
8-16	10YR 3/1	65	10YR 4/6	20			Loamy/Clayey	Prominent redox concentrations				
			10YR 5/3	10				Distinct redox concentrations				
			10YR 2/1	5				Faint redox concentrations				
		etion, RM	=Reduced Matrix, M	S=Mask	ked Sand	Grains.		L=Pore Lining, M=Matrix.				
Hydric Soil In Histosol (Dark Surface (S	S7)				for Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B)				
Histic Epipedon (A2)			Polyvalue Belor		ce (S8) (I	LRR R.		rairie Redox (A16) (LRR K, L, R)				
Black Histic (A3)			MLRA 149B)		(00) (,		ucky Peat or Peat (S3) (LRR K, L, R)				
Hydrogen Sulfide (A4)			Thin Dark Surfa		(LRR R	, MLRA 1		ue Below Surface (S8) (LRR K, L)				
Stratified Layers (A5)			High Chroma S					rk Surface (S9) (LRR K, L)				
	Below Dark Surface	(A11)	Loamy Mucky N					nganese Masses (F12) (LRR K, L, R)				
	rk Surface (A12)	, ,	Loamy Gleyed					nt Floodplain Soils (F19) (MLRA 149B)				
Mesic Sp	odic (A17)		Depleted Matrix	x (F3)			Red Par	rent Material (F21) (outside MLRA 145)				
(MLR	A 144A, 145, 149B)		X Redox Dark Su	ırface (F	6)		Very Sha	allow Dark Surface (F22)				
Sandy Mi	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Explain in Remarks)					
Sandy GI	eyed Matrix (S4)		Redox Depressions (F8)									
Sandy Re	edox (S5)		Marl (F10) (LRR K, L)				³ Indicators of hydrophytic vegetation and					
Stripped	Matrix (S6)		Red Parent Material (F21) (MLRA 145)			RA 145)	wetland hydrology must be present,					
Postriotivo I	ayer (if observed):						unless	s disturbed or problematic.				
Type:	ayer (ii observed).											
Depth (in	ches):						Hydric Soil Preser	nt? Yes X No				
Remarks:							I					



Wetland P3-L - View facing south



Wetland P3-L - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE		City/County: Saratoga/Saratoga	Sampling Date: 01/09/2023
Applicant/Owner: TDI		State: NY	Sampling Point: Upl P3-L
Investigator(s): C. Scrivner & J. Greaves		Section, Township, Range:	
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, convex, none): Convex	Slope %: 10
Subregion (LRR or MLRA): LRR R	Lat: 43.04242°N	Long: -73.81924°W	Datum: WGS84
Soil Map Unit Name: WnB: Windsor loamy		NWI classification:	NA VOCO
·	· · · · · · · · · · · · · · · · · · ·		
Are climatic / hydrologic conditions on the site			explain in Remarks.)
Are Vegetation, Soil, or Hydr			
Are Vegetation, Soil, or Hydr	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.
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:	<u> </u>
Remarks: (Explain alternative procedures h Deciduous forest.	ere or in a separate report.)		
Dodada Idida.			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (n	ninimum of two required)
Primary Indicators (minimum of one is requi	red: check all that apply)	Surface Soil Cracks	· · · · · ·
Surface Water (A1)	Water-Stained Leaves (B		, ,
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B	•
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	•
Water Marks (B1)	Hydrogen Sulfide Odor (0		, ,
Sediment Deposits (B2)	Oxidized Rhizospheres o	· · · · · · · · · · · · · · · · · · ·	n Aerial Imagery (C9)
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 (E	03)
Inundation Visible on Aerial Imagery (B)	Other (Explain in Remark	Microtopographic R	elief (D4)
Sparsely Vegetated Concave Surface (I	38)	FAC-Neutral Test (I	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.

EGETATION – Use scientific names of p	Jants.			Sampling Point: Upl P3-L				
Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. Prunus serotina	50	Yes	FACU	Number of Dominant Species				
2. Quercus rubra	20	Yes	FACU	That Are OBL, FACW, or FAC:	(A)			
3. Populus tremuloides	10	No	FACU	Total Number of Dominant				
4. Pinus strobus	10	No	FACU	Species Across All Strata:	6 (B)			
5. Acer platanoides	10	No	UPL	Percent of Dominant Species				
5				That Are OBL, FACW, or FAC:	33.3% (A/B)			
7.				Prevalence Index worksheet:				
	100	=Total Cover		Total % Cover of: N	/lultiply by:			
Sapling/Shrub Stratum (Plot size:15'	_)			OBL species 0 x 1 =	0			
1. Lonicera morrowii	30	Yes	FACU	FACW species 60 x 2 =	120			
2. Rhamnus cathartica	15	Yes	FAC	FAC species 20 x 3 =	60			
3. Sassafras albidum	10	No	FACU	FACU species 155 x 4 =	620			
4. Fraxinus americana	5	No	FACU	UPL species 10 x 5 =	50			
5.	·			Column Totals: 245 (A)	850 (B)			
6.				Prevalence Index = B/A =	3.47			
7.	·			Hydrophytic Vegetation Indicators:	:			
	60	=Total Cover		1 - Rapid Test for Hydrophytic Ve	egetation			
Herb Stratum (Plot size:5')				2 - Dominance Test is >50%				
1. Onoclea sensibilis	50	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹				
2. Solidago gigantea	10	No	FACW	4 - Morphological Adaptations ¹ (F	Provide supporting			
3. Prunus serotina	5	No	FACU	data in Remarks or on a separ				
4. Rhamnus cathartica	5	No	FAC	Problematic Hydrophytic Vegetat	tion ¹ (Explain)			
5. Sassafras albidum	5	No	FACU	<u> </u>				
6.				¹ Indicators of hydric soil and wetland present, unless disturbed or problema				
7.				Definitions of Vegetation Strata:				
8.	<u> </u>				in diamota			
9.	-			Tree – Woody plants 3 in. (7.6 cm) of at breast height (DBH), regardless of				
10.	-				-			
11.				Sapling/shrub – Woody plants less t and greater than or equal to 3.28 ft (1				
12.								
	75	=Total Cover		Herb – All herbaceous (non-woody) pof size, and woody plants less than 3				
Woody Vine Stratum (Plot size: 30')	-1010						
Celastrus orbiculatus	-' 10	Yes	FACU	Woody vines – All woody vines grea height.	ter than 3.28 ft in			
2.			17.00	Tolgrit				
3.				Hydrophytic				
3. 4.	-			Vegetation Present? Yes No	o X			
	10	=Total Cover		11636111: 100	<u>, </u>			
	10	= I Olai Covei						

SOIL Sampling Point: Upl P3-L

		o the de				or or co	nfirm the absence of indic	cators.)		
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	es Type ¹	Loc ²	Texture	Remark	re	
0-7	10YR 2/2	100	Color (molet)		Турс		Sandy	Roman		
7-14	10YR 3/6	100					Sandy			
					-					
¹ Type: C=Co	ncentration, D=Depl	etion, RM	/I=Reduced Matrix, M	//S=Mask	ed Sand	Grains.	² Location: PL=Po	ore Lining, M=Mati	rix.	
Hydric Soil Indicators:								oblematic Hydric		
Histosol (A1)			Dark Surface (S7)			2 cm Muck (A	410) (LRR K, L, M	LRA 149B)	
Histic Epipedon (A2)			Polyvalue Belo	w Surfac	ce (S8) (L	_RR R,	Coast Prairie	Redox (A16) (LR	R K, L, R)	
Black Histic (A3)			MLRA 149B					Peat or Peat (S3)		
Hydrogen Sulfide (A4)			Thin Dark Surf					elow Surface (S8) (
Stratified Layers (A5)			High Chroma S					urface (S9) (LRR K	-	
	Below Dark Surface	e (A11)	Loamy Mucky			K K, L)		ese Masses (F12)		
	rk Surface (A12) odic (A17)		Loamy Gleyed Depleted Matri		-Z)			oodplain Soils (F19 Material (F21) (out		
	A 144A, 145, 149B)		Redox Dark Su		6)			Dark Surface (F2		
•	ucky Mineral (S1)		Depleted Dark	•	•		Other (Explain in Remarks)			
	eyed Matrix (S4)		Redox Depress		` '		0 (2.4p.a.			
	edox (S5)		Marl (F10) (LRR K, L)				³ Indicators of hydrophytic vegetation and			
Stripped	Matrix (S6)		Red Parent Ma	Red Parent Material (F21) (MLRA 145)				wetland hydrology must be present,		
							unless dist	urbed or problema	atic.	
Restrictive L	ayer (if observed):									
Type:	Roots/F	Rock								
Depth (in	ches):	14					Hydric Soil Present?	Yes	No X	
Remarks:										



Upland P3-L - View facing north/northeast



Upland P3-L - Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Champlain Huds	son Express		City/Cour	nty: Saratoga		Sampling Date:	December 8, 2021		
Applicant/Owner:	СНА			State:	NY		Sampling Point:	DP-CS		
Investigator(s):	Tristen Peterson Section, Township, Range: Saratoga Springs									
Landform (hillslope,	-	Depression			f (concave, convex, n			Slope (%): 1		
	·	•				-				
Subregion (LRR or I	-	LRR R		Lat: 43.041843	°N Long:	-73.818807°W		Datum: NAD83		
Soil Map Unit Name	: WnB - Winds	sor loamy sand, 3 to	o 8 percent slo	pes		NWI class	sification: Not N	Mapped		
Are climatic / hydrol	ogic conditions or	n the site typical for	this time of ye	ear? Yes	X No	(If no, explain in	n Remarks.)			
Are Vegetation	, Soil	, or Hydrology	sign	nificantly disturbed	? Are "No	ormal Circumstances"	present?	Yes X No		
Are Vegetation	, Soil	, or Hydrology	natı	urally problematic?	? (If need	ded, explain any answ	ers in Remarks.)			
SUMMA	SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.									
Hydrophytic Vege	station Present?	Yes	X No		Is the Sampled Are					
Hydric Soil Presei		Yes			within a Wetland?		X No			
Wetland Hydrolog		Yes _	No		If yes, optional Wetl	tland Site ID: C	S			
Remarks: (Explain a PEM Wetland Io		dures here or in a s depression, withi								
HYDROLOGY										
Wetland Hydrolo	gy Indicators:					Secondary	/ Indicators (minir	num of two required)		
Primary Indicators	s (<u>minimum of one</u>	e is required; check	all that apply)			Surface	Soil Cracks (B6)			
Surface Water	er (A1)		Water	-Stained Leaves (F	B9)	X Drainage	e Patterns (B10)			
High Water 1	Γable (A2)		Aquati	ic Fauna (B13)			im Lines (B16)			
Saturation (A	٨3)		Marl D	Deposits (B15)		Dry-Seas	son Water Table	(C2)		
Water Marks	; (B1)		Hydro	gen Sulfide Odor ((C1)	Crayfish	Burrows (C8)			
Sediment De	posits (B2)		Oxidiz	ed Rhizospheres	on Living Roots (C3)	X Saturation	on Visible on Aeria	al Imagery (C9)		
Drift Deposits	s (B3)		Preser	nce of Reduced Iro	on (C4)	4) Stunted or Stressed Plants (D1)				
Algal Mat or	Crust (B4)		Recen	nt Iron Reduction in	n Tilled Soils (C6)	Soils (C6) X Geomorphic Position (D2)				
Iron Deposits	s (B5)		Thin M	Muck Surface (C7)		Shallow Aquitard (D3)				
_	isible on Aerial Im		Other	(Explain in Remar	rks)		ographic Relief ([04)		
Sparsely Veg	getated Concave	Surface (B8)				FAC-Net	utral Test (D5)			
Field Observatio										
Surface Water Pre	esent?	Yes No								
Water Table Pres	ent?	Yes No	X Depth	ı (inches):	We	etland Hydrology Pre	esent? Yes	No <u>X</u>		
Saturation Presen		Yes No	X Depth	ı (inches):						
(includes capillary	<u> </u>		2 111							
Describe Recorde	ed Data (stream g	auge, monitoring w	eli, aeriai pnot	os, previous inspe	ections), if available:					
Remarks:										

	/EGETATION – Use scientific names of plants.				Sampling Point: DP-CS		
ree Stratum (Plot size: 30 ft.)	Absolute % Cover	Dominant Species?	Indicator 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)		
					(3)		
				Percent of Dominant Species That Are OBL, FACW, or FAC	: 100 (A/E		
5				, ,			
i				Prevalence Index worksheet	:		
7				Total % Cover of:	Multiply by:		
	0	= Total Cover			x 1 = 10		
apling/Shrub Stratum (Plot size: 15 ft.)				'	x 2 = 190		
l				FACULARIA O			
2				FACU species 0 UPL species 0			
s				UPL species 0 Column Totals: 105	x = 5 = 0 (A) 200 (B)		
4				Column rotals. 100	(A) <u>200</u> (B		
5.				Prevalence Index = B/A	. = 1.9		
5				Hydrophytic Vegetation Indicators:			
7.				X 1 - Rapid Test for Hydron			
				X 2 - Dominance Test is >5	50%		
	0	= Total Cover		X 3 - Prevalence Index is ≤3.0 ¹			
erb Stratum (Plot size: 5 ft.)				4 - Morphological Adapta data in Remarks or or			
. Phragmites australis	95	Yes	FACW	data in resinance of of	ra coparato chocty		
2. Typha latifolia	10	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
3							
i							
5.				Definitions of Vegetation Str	rata:		
5.				Tree – Woody plants 3 in. (7.6	cm) or more in diameter		
7.				at breast height (DBH), regardless of height.			
n				Sapling/shrub – Woody plant	s less than 3 in DBH		
· -				and greater than or equal to 3			
D				Herb – All herbaceous (non-w	roody) plants, regardless of		
10				size, and woody plants less than 3.28 ft tall.			
11				Woody vines – All woody vine	es greater than 3.28 ft in		
2				height.			
	105	= Total Cover					
oody Vine Stratum (Plot size: 30 ft.)							
•							
				Hydrophytic			
				Vegetation			
2.				Fresent? res			
3.							
2		= Total Cove					

SOIL Sampling Point: DP-CS Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Color (moist) Color (moist) (inches) Texture Remarks 10YR 3/2 80 7.5YR 5/6 Clay ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) X Redox Dark Surface (F6) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR K, L, R) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Bedrock Depth (inches): 9 Hydric Soil Present? Yes No Remarks:



Wetland CS- View facing South



Wetland CS- Soils

SITE PHOTOGRAPHS

Project/Site:	Champlain Huds	on Express		City/Coun	nty: Sarato	oga	Sampling Date:	December 8, 2021		
Applicant/Owner:	СНА			State:	NY		Sampling Point:	DP-CS-Upland		
Investigator(s):	Tristen Peterson			Section, To	ownship, Range	e: Saratoga Springs	•			
Landform (hillslope,		Plain		·	f (concave, con			Slope (%): 1		
					•					
Subregion (LRR or I		LRR R		Lat: 43.041697	°N	Long: -73.818838°W		Datum: NAD83		
Soil Map Unit Name	: WnB- Winds	or loamy sand, 3	to 8 percent slo	pes		NWI cla	assification: Not N	Mapped		
Are climatic / hydrol	ogic conditions on	the site typical fo	r this time of ye	ar? Yes	X N	o (If no, explain	in Remarks.)			
Are Vegetation	, Soil	, or Hydrology	sign	ificantly disturbed	? A	re "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	NGS – Attacl	h site map s	showing sam	pling point	locations, transec	ts, important t	features, etc.		
Liveran by tio \/ogo	-t-tion Dropont?	Voo	No	Y	is the Comple	1 A				
Hydrophytic Vege Hydric Soil Presei		•		X	Is the Sample within a Wetl		No	X		
Wetland Hydrolog		•	No		If ves. optiona	al Wetland Site ID:				
Remarks: (Explain		•	-		11 you, op	Wolland Old IE.				
HYDROLOGY						Casanda	to disease (minis	of the required)		
Wetland Hydrolo								num of two required)		
	s (minimum of one	is required; check					e Soil Cracks (B6)			
Surface Wate				Stained Leaves (E	B9)		ge Patterns (B10)			
High Water 1				c Fauna (B13)		Moss Trim Lines (B16)				
Saturation (A	-			eposits (B15)	(04)	Dry-Season Water Table (C2)				
Water Marks Sediment De				gen Sulfide Odor (ed Rhizospheres (- · · · · · · · · · · · · · · · · · · ·	Crayfish Burrows (C8) ts (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits	,			ea Knizospheres once of Reduced Iro	_	Stunted or Stressed Plants (D1)				
Algal Mat or				t Iron Reduction in		<u> </u>				
Iron Deposits	` '			luck Surface (C7)		Shallow Aquitard (D3)				
I —	isible on Aerial Im	agery (B7)		(Explain in Remar	·ks)	Microtopographic Relief (D4)				
Sparsely Ve	getated Concave S	Surface (B8)					eutral Test (D5)			
Field Observatio	ns:									
Surface Water Pre		Yes No								
Water Table Pres		Yes No	·			Wetland Hydrology P	resent? Yes	No <u>X</u>		
Saturation Presen		Yes No	X Depth	ı (inches):						
(includes capillary		itoring v	" - arial phot	deve inone	tia) if avails	11				
Describe Recorde	ed Data (stream ga	auge, monitoring v	veli, aeriai priot	os, previous irispe	ections), ii avaiid	able:				
Remarks:										
No wetland hydr	rology present a	t data point								

Tree Stratum (Plot size: 30 ft.)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 00001	Оресіса	Otatus	Number of Dominant Species
2				That Are OBL, FACW, or FAC: 0 (A)
3.				Total Number of Dominant Species Across All Strata: 2 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)
6				
7				Prevalence Index worksheet: Total % Cover of: Multiply by:
		= Total Cover		OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft.)				FACW species $0 x 2 = 0$
1				FAC species <u>0</u> x 3 = <u>0</u>
2.				FACU species <u>20</u> x 4 = <u>80</u>
3.				UPL species 0 x 5 = 0
4				Column Totals: <u>20</u> (A) <u>80</u> (B)
5.				Prevalence Index = B/A = 4
6.				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
	0	= Total Cover		2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹
Herb Stratum (Plot size: 5 ft.)		= Total Cover		4 - Morphological Adaptations ¹ (Provide supporting
1. Reynoutria japonica	15	Yes	FACU	data in Remarks or on a separate sheet)
2. Rubus idaeus		Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
3.				¹ Indicators of hydric soil and wetland hydrology must
4.				be present, unless disturbed or problematic.
5.				Definitions of Vegetation Strata:
6.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8.				Sapling/shrub – Woody plants less than 3 in. DBH
9.				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless of
11.				size, and woody plants less than 3.28 ft tall.
12.				Woody vines – All woody vines greater than 3.28 ft in height.
	20	= Total Cover		
Woody Vine Stratum (Plot size: 30 ft.)				
1				
2				Hydrophytic Vegetation
3.				Present? Yes NoX
4.				
	0	= Total Cove	r	
Remarks: (Include photo numbers here or on a separate sheet.)				

Sampling Point: DP-CS-Upland

SOIL Sampling Point: DP-CS-

Profile Descri Depth	iption: (Describe to the Matrix	e aepth need		ndicator or Features	contirm th	ne absence	or indicators.)				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rer	narks		
. 20	40VP 4/9	100					Cilt				
-20	10YR 4/3	100	_				Silt				
	-										
	-	· 									
<u></u>											
Type: C=Con	centration, D=Depletion	, RM=Reduc	ed Matrix, MS=Masked	Sand Grain	ns.		² Location:	PL=Pore Lining, M=I	Matrix.		
Hydric Soil In								or Problematic Hyd			
Histosol (Polyvalue Below	Surface (S8) (LRR R,			uck (A10) (LRR K, L			
 '	ipedon (A2)		MLRA 149B)	(00) (1.00		4.40D\	Coast Prairie Redox (A16) (LRR K, L, R)				
Black His			Thin Dark Surface			149B)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L, M)				
Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K Stratified Layers (A5) Loamy Gleyed Matrix (F2)					.KK K, L)			ue Below Surface (S			
	Below Dark Surface (A	Depleted Matrix (ark Surface (S9) (LRI				
Thick Dark Surface (A12)			Redox Dark Surfa					anganese Masses (F			
Sandy Mucky Mineral (S1)			Depleted Dark Su					ont Floodplain Soils (F			
Sandy Gl	leyed Matrix (S4)		Redox Depression	ns (F8)			Mesic S	Spodic (TA6) (MLRA	144A, 145, 149B)		
Sandy Re	edox (S5)						Red Pa	rent Material (F21)			
	Matrix (S6)							nallow Dark Surface (TF12)		
Dark Sur	face (S7) (LRR R, MLR	A 149B)					Other (I	Explain in Remarks)			
	hydrophytic vegetation a	and wetland h	nydrology must be pres	ent, unless	disturbed o	r problemati	C.				
	ayer (if observed):										
Type: Non									V		
Depth (inc	hes):						Hydric Soil P	resent? Yes	No <u>X</u>		
Remarks:	present at data point										
to riyuric solis p	resent at data point										



Upland CS- View facing North



Upland CS- Soils

SITE PHOTOGRAPHS

Project/Site:	Champlain Huds	son Express		City/Coun	nty: Sarato	ga	Sampling Date:	December 8, 2021		
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-CX		
Investigator(s):	Tristen Peterson	າ		Section, To	ownship, Range	e: Saratoga Spring	s s			
Landform (hillslope,		Drainageway			f (concave, conv			Slope (%): 1		
					•		ve	Slope (76)1		
Subregion (LRR or I	-	LRR R	2	Lat: 43.041843°	N L	Long: -73.818807°W	: E			
Soil Map Unit Name		sor loamy sand, 3 to						Mapped		
Are climatic / hydrole	-		-			o (If no, expla				
Are Vegetation	, Soil	, or Hydrology	sign	ificantly disturbed	? A	re "Normal Circumstanc	es" present?	Yes X No		
Are Vegetation	, Soil	, or Hydrology	natu	rally problematic?	? (If	f needed, explain any ar	nswers in Remarks.)			
SUMMA	ARY OF FIND	INGS – Attach	site map	showing sam	pling point	locations, transe	cts, important f	ieatures, etc.		
Hydrophytic Vege	etation Present?	Yes	X No		Is the Sample	ed Area				
Hydric Soil Preser		Yes	X No		within a Wetl		s <u>X</u> No _			
Wetland Hydrolog		Yes	X No		If yes, optiona	al Wetland Site ID:	CX			
HADBOI OCA										
HYDROLOGY	In dinatana					Cooon	I la dia atawa (minin	-f + all all		
Wetland Hydrolo						<u>-</u>	dary Indicators (minin	num of two requirea)		
		e is required; check					ace Soil Cracks (B6)			
X Surface Water				-Stained Leaves (E	39)		nage Patterns (B10)			
High Water T Saturation (A				ic Fauna (B13)			s Trim Lines (B16) Season Water Table ((00)		
	•			Deposits (B15)	(C1)	Dry-Season Water Table (C2)				
Water Marks Sediment De	-			gen Sulfide Odor (ed Rhizospheres c		Crayfish Burrows (C8)				
Sediment De Drift Deposits			_	nce of Reduced Iro	=	_ · · · _				
Algal Mat or			_	nt Iron Reduction in	` '	Stunted or Stressed Plants (D1) X Geomorphic Position (D2)				
Iron Deposits	• •			luck Surface (C7)	•	Shallow Aquitard (D3)				
l —	/isible on Aerial Im	nagery (B7)		(Explain in Remark			otopographic Relief ([n 41		
	getated Concave			(EXPIGIT III TOTAL	1.0)		-Neutral Test (D5)	J-1)		
Field Observation										
Surface Water Pre		Yes X No	Depth	າ (inches): 1						
Water Table Prese	ent?	Yes No	Depth	າ (inches):		Wetland Hydrology	Present? Yes	X No		
Saturation Presen	nt?	Yes No								
(includes capillary										
Describe Recorde	ed Data (stream ga	auge, monitoring we	ell, aerial photo	os, previous inspe	ections), if availa	able:				
Remarks:										
Nemano.										

ree Stratum (Plot size: 30 ft.)	Absolute % Cover		ndicator Status	Dominance Test worksheet:	
·				Number of Dominant Species That Are OBL, FACW, or FAC:	1 (A)
				That Are OBL, I ACW, OF I AC.	1(A)
				Total Number of Dominant	4 (D)
				Species Across All Strata:	1(B)
				Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B
				That Are OBL, I ACW, OF I AC.	100(A/B
				Prevalence Index worksheet:	
•				Total % Cover of:	Multiply by:
		= Total Cover		OBL species 0	x 1 = 0
pling/Shrub Stratum (Plot size: 15 ft.)				FACW species 60	x 2 = <u>120</u>
				FAC species 0	x 3 = 0
				FACU species 0	x 4 = 0
				UPL species 0	x 5 = 0
				Column Totals: 60	(A) <u>120</u> (B)
					0
				Prevalence Index = B/A =	
				Hydrophytic Vegetation Indica	
				X 1 - Rapid Test for Hydrophy	
	0	- Total Cayor		X 2 - Dominance Test is >50°X 3 - Prevalence Index is ≤3.	
rb Stratum (Plot size: 5 ft.)	0	= Total Cover		4 - Morphological Adaptation	
DI		Vaa	FACIAL	data in Remarks or on a	
Phragmites australis		Yes	FACW		1
				Problematic Hydrophytic V	
·				¹ Indicators of hydric soil and we	·
				be present, unless disturbed or p	oroblematic.
·				Definitions of Vegetation Strat	a:
·				Tree – Woody plants 3 in. (7.6 c	m) or more in diameter
				at breast height (DBH), regardle	ss of height.
				Sapling/shrub – Woody plants	less than 3 in. DBH
				and greater than or equal to 3.23	
				Herb – All herbaceous (non-woo	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.	•
	60	= Total Cover			
pody Vine Stratum (Plot size: 30 ft.)					
· · · · · · · · · · · · · · · · · · ·				Hydrophytic	
				Vegetation	Υ
				Vegetation	X No
·				Vegetation	

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



Wetland CX- View facing South



Wetland CX- Soils

SITE PHOTOGRAPHS

Project/Site:	Champlain Hud	son Express			City/Coun	ty: Sarato	ga	s	ampling Date:	December 8, 2	2021
Applicant/Owner:	CHA				State:	NY		S	ampling Point:	DP-CX-Upland	d
Investigator(s):	Tristen Peterso	n			Section, To	wnship, Range	: Saratoga S	Springs			
Landform (hillslope	e, terrace, etc.):	Hillslope			Local relief	(concave, conv		Convex		Slope (%):	3
Subregion (LRR or	·	LRR R		La	t: 43.041042°		ong: -73.81918			Datum: NAD8	
	-		to 0 porcont				-011g. 70.010.0		isstian: Not N		
Soil Map Unit Name		Isor loamy sand, 3				<u> </u>		NWI classif		//apped	
Are climatic / hydro	_			-		<u>X</u> No	(If no,	, explain in l	•		
Are Vegetation	, Soil	, or Hydrology	s	ignifica	ntly disturbed	? A	re "Normal Circun	mstances" p	resent?	Yes X No	ɔ
Are Vegetation	, Soil	, or Hydrology	r	aturally	problematic?	e (If	needed, explain	any answer	s in Remarks.)		
SUMMA	ARY OF FIND	DINGS – Attac	h site ma	p shc	owing sam	pling point	locations, tra	ansects,	important f	eatures, etc	-
Hydrophytic Vege	etation Present?	Yes		No	х	Is the Sample	ed Area				
Hydric Soil Prese		Yes		10 <u> </u>	X	within a Wetla		Yes	No	Х	
Wetland Hydrolog		Yes		No	Х	If yes, optiona	l Wetland Site ID:	: <u></u>			
										_	
HYDROLOGY											
Wetland Hydrolo									•	num of two requir	ed)
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)											
Surface Wat					ned Leaves (E	39)	_	=	Patterns (B10)		
High Water					iuna (B13)		_		Lines (B16)		
Saturation (/	•			-	sits (B15) Sulfide Oder (O4\	Dry-Season Water Table (C2)				
Water Marks				_	Sulfide Odor (-	Crayfish Burrows (C8) Saturation Visible on Aerial Imageny (C9)				
Drift Deposit	eposits (B2)				chizospheres of of Reduced Iro	on Living Roots					
Algal Mat or						on (C4) n Tilled Soils (C	C6) Stunted or Stressed Plants (D1) Geomorphic Position (D2)				
Iron Deposit					Surface (C7)	1 1 11100 000 (-		-	quitard (D3)		
	Visible on Aerial Ir	nagery (B7)			lain in Remarl	ks)	Microtopographic Relief (D4)				
	egetated Concave	. ,				,	_		al Test (D5)	,	
Field Observation											
Surface Water Pr		Yes No	Χ Dε	epth (inc	ches):						
Water Table Pres	sent?	Yes No					Wetland Hydr	rology Pres	ent? Yes	No _	Х
Saturation Preser		Yes No	X De	pth (inc	ches):						
(includes capillary		gauge, monitoring v	···all corial n	hotoe r	vious inspo	ational if avails	shla.				
Describe Records	eu Data (Stream g	jauge, monitoring v	well, aeriai pi	10ι05, μ	nevious irispe	cuons), ii avalia	ible.				
Remarks: No wetland hyd	rology present	at data point									

	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Tes	t worksheet:			
e Stratum (Plot size: 30 ft.)				Number of Domi				
Pinus strobus		No	FACU	That Are OBL, F	ACW, or FAC:		0	(A)
Quercus rubra			FACU	Total Number of				
				Species Across A	All Strata:		2	(B)
				Percent of Domir				
				That Are OBL, F	ACVV, OF FAC:		0	(A/E
				Prevalence Inde	ex worksheet:			
				Total % Cov		N	lultiply by:	_
	65	= Total Cover		OBL species	0	x 1 =	0	
ling/Shrub Stratum (Plot size: 15 ft.)				FACW species	0			
				FAC species	0		0	
				FACU species	95			
				UPL species	0		0	—
				Column Totals:	95	_ (A)	380	(E
				Prevalence	e Index = B/A =	4		
				Hydrophytic Ve	getation Indica	tors:		
					est for Hydrophy		tation	
				2 - Dominar	nce Test is >50%	6		
	0	= Total Cover		_	nce Index is ≤3.0			
Stratum (Plot size: 5 ft.)					ogical Adaptatio Remarks or on a			ng
Reynoutria japonica	30	Yes	FACU			·		
				Problemation	Hydrophytic Ve	egetation	¹ (Explain)	
				¹ Indicators of hyd		-		
				be present, unles	ss disturbed or p	roblema	itic.	
				Definitions of V	egetation Strat	a:		
				Tree – Woody pl	ants 3 in. (7.6 cr	m) or mo	ore in diamete	r
				at breast height ((DBH), regardles	ss of hei	ght.	
				Sapling/shrub -	Woody plants l	ess than	3 in. DBH	
				and greater than	or equal to 3.28	3 ft (1 m)	tall.	
				Herb – All herba				of
				size, and woody	plants less than	3.28 ft t	all.	
				Woody vines – / height.	All woody vines	greater t	han 3.28 ft in	
•		Total Cayer		neight.				
	30	= Total Cover						
ody Vine Stratum (Plot size: 30 ft.)								
				Hydrophytic				
				Vegetation				
				Present?	Yes _	r	10 <u>X</u>	
		= Total Cove	r					
	0							

SOIL Upland Sampling Point: DP-CX-

	ption: (Describe to the	acpin nee			COMMINI U	ic abscille	or mulcators.)			
Depth (inches)	Matrix Color (moist)	%	Color (moist)	Features %	Type ¹	Loc ²	Texture	1	Remarks	
()	()									
0-20	10YR 6/8	100					Sand			
	-									
							2.			
Type: C=Con	centration, D=Depletion	, RM=Redu	ced Matrix, MS=Masked	d Sand Grai	ns.		² Location:	PL=Pore Lining, I	M=Matrix.	
Hydric Soil In	dicators:							or Problematic H		
Histosol (•		Polyvalue Below	Surface (S8) (LRR R,		2 cm M	uck (A10) (LRR K	K, L, MLRA 149	9B)
Histic Epi	pedon (A2)		MLRA 149B)				Coast F	rairie Redox (A16	6) (LRR K, L, R	R)
Black His	tic (A3)		Thin Dark Surface	e (S9) (LRR	R, MLRA	149B)	5 cm M	ucky Peat or Peat	t (S3) (LRR K ,	L, R)
Hydroger	Sulfide (A4)		Loamy Mucky Mir	neral (F1) (L	RR K, L)		Dark Surface (S7) (LRR K, L, M)			
Stratified	Layers (A5)		Loamy Gleyed Ma			Polyval	ue Below Surface	(S8) (LRR K ,	L)	
Depleted Below Dark Surface (A11)			Depleted Matrix (F3)			Thin Da	ırk Surface (S9) (I	LRR K, L)	
Thick Dar	k Surface (A12)		Redox Dark Surfa			Iron-Ma	nganese Masses	(F12) (LRR K ,	L, R)	
	ucky Mineral (S1)		Depleted Dark Su					nt Floodplain Soil		
	eyed Matrix (S4)		Redox Depressio				Spodic (TA6) (MLI			
Sandy Re			Tredox Depressio				rent Material (F21		1430)	
	Matrix (S6)					Very Shallow Dark Surface (TF12)				
		140B\								
Daik Suii	ace (S7) (LRR R, MLRA	4 143D)					Other (i	Explain in Remark	(5)	
Indicators of I	nydrophytic vegetation a	nd wetland	hydrology must be pres	ent, unless	disturbed of	r problemat	ic.			
Restrictive La	yer (if observed):									
Type: Non	e									
Depth (incl	nes):						Hydric Soil P	resent? Yes	1	No X
	,						-			
Remarks: No hydric soils ni	esent at data point									
io riyuric solis pi	esent at data point									



Upland CX- View facing North



Upland CX- Soils

SITE PHOTOGRAPHS

Project/Site: CHPE - Package 3 - near Route 50/pond - MP 156.3	City/County: Saratoga Sampling Date: 08/03/22
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-B_WET
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
Landform (hillside, terrace, etc.): Footslope Local	relief (concave, convex, none): Convex Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',90.59"N	Long: 73°,49',30.55"W Datum:
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: 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 Hydrology significantly disturb	<u>—</u> —
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
	T
Hydrophytic Vegetation Present? Hydric Soil Present? Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	., , -, -, -, -, -, -, -, -, -, -, -, -,
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) X Water-Stained Leaves (I	
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 on Aerial Imagery (C9)
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)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	Tes No. Little Try and Tr
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
	,
Remarks:	

Tree Stratum (Diet size: 201	Absolute	Dominant	Indicator Status	Deminance Test weeksheets
Tree Stratum (Plot size: 30')	% Cover	Species?		Dominance Test worksheet:
Salix nigra Acer rubrum	20 5	Yes Yes	OBL FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 5 (B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 =
1. Cornus amomum	20	Yes	FACW	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:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Lythrum salicaria	15	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
Phragmites australis	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Iris versicolor	5	No	OBL	data in Remarks or on a separate sheet)
4. Carex stricta	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Juncus effusus	5	No	OBL	
6		NO	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Canling/obrub Woody plants loss than 2 in DPH
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	45	=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:15')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate choot \			1
Remarks. (include prioto numbers here of on a separ	ate sneet.)			

Sampling Point: G-P3-B_WET

		to the de				itor or co	onfirm the absence of i	indicators.)
Depth	Matrix	0/		x Featur		12	Tardrina	Damandra
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-14	10YR 2/1	100					Mucky Sand	
¹ Type: C=Co	oncentration, D=Depl	etion. RM	1=Reduced Matrix. N	//S=Mas	ked Sand	d Grains.	² Location: PL:	=Pore Lining, M=Matrix.
Hydric Soil			,					r Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R.		k (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		() (-	.		irie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	•	(LRR R	. MLRA 1		ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-		•	Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			, ,		ganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(,	Depleted Matri		/			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			odic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5)		Redox Depres					low Dark Surface (F22)
	Matrix (S6)		 Marl (F10) (LR		- /			plain in Remarks)
? Dark Sui				, ,				,
	()							
³ Indicators of	f hydrophytic vegetat	ion and w	vetland hvdrologv mu	ust be pr	esent. ur	nless distu	urbed or problematic.	
	_ayer (if observed):		, 3,		,		'	
Type:	,							
Depth (ir	ochee).						Hydric Soil Present	? Yes X No
							Tryunc 3011 Fresent	163 🔏 160
Remarks:								
	m is revised from No 2015 Errata. (http://w							S Field Indicators of Hydric Soils,
	it possible due to sol					3/11105 142	2p2_031293.d00x)	
	pood.a.o aao to oo.			- ag				



Wetland G-P3-B



Wetland G-P3-B- Soils

SITE PHOTOGRAPHS

Project/Site: CHPE - Package 3 - Route 50/near pond - 156.3	City/County: Saratoga Sampling Date: 08/03/22
Applicant/Owner: CHPE	 State: NY Sampling Point: G-Рз-в_UP
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
• ()	I relief (concave, convex, none): Convex Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',90.59"N	Long: 73°,49',30.55"W Datum:
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrologysignificantly distu	Yes X No (If no, explain in Remarks.) rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology naturally problem	
_ _	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor	
Sediment Deposits (B2) Oxidized Rhizospheres Deposits (R2)	
Drift Deposits (B3) Presence of Reduced II	· /
Algal Mat or Crust (B4) Recent Iron Reduction	
Iron Deposits (B5) Thin Muck Surface (C7)	· · · · · · ·
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rema	_
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches)	
Water Table Present? Yes No X Depth (inches)	
Saturation Present? Yes No X Depth (inches)	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	
Remarks:	

	Absolute	Dominant	Indicator	Deminance Test and the state
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
Pinus strobus	10	Yes	FACU	Number of Dominant Species
Fraxinus americana	10	Yes	FACU	That Are OBL, FACW, or FAC:1 (A)
		·		Total Number of Dominant
	-	·		Species Across All Strata: 7 (B)
				Percent of Dominant Species
·				That Are OBL, FACW, or FAC: 14.3% (A/E
				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15'))			OBL species x 1 =
				FACW species x 2 =
Lonicera tatarica	15	Yes	FACU	FAC species x 3 =
Cornus amomum	5	Yes	FACW	FACU species x 4 =
				UPL species x 5 =
				Column Totals: (A) (I
				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')	-	•		2 - Dominance Test is >50%
Solidago altissima	15	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
For words a description of		Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporti
			17100	data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
•				Problematic Trydrophytic 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 heigh
).				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
	20	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>oody Vine Stratum</u> (Plot size: 15'))			Woody vines – All woody vines greater than 3.28 ft
	5	Yes	FACU	height.
· · · · · · · · · · · · · · · · · · ·				1
Rubus allegheniensis				I Hydrophytic
Rubus allegheniensis				Hydrophytic Vegetation
Rubus allegheniensis				

SOIL Sampling Point G-P3-B_UP

		to the de				tor or co	onfirm the absence of in	dicators.)
Depth	Matrix	0/		x Featur		1 - 2	T 4	Damanda
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 4/2	100					Loamy/Clayey	
								_
¹ Type: C=Co	oncentration, D=Depl	etion RN	M=Reduced Matrix M	JS=Mas	ked Sand	I Grains	² Location: PL=F	Pore Lining, M=Matrix.
Hydric Soil		0.0011, 1.01	T TOGGGGG Wath, I	vio ivido	Rou Guile	· Oranio.		Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RR R		(A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		MLRA 149B		00 (00) (ie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf	•	(LRR R	MLRA 1		Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	l Below Dark Surface	(Δ11)	Loamy Gleyed			· · · · · · · · · · · · · · · · · · ·		nese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	, (, (, , , ,	Depleted Matri		,			loodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark St		6)			lic (TA6) (MLRA 144A, 145, 149B)
	eleyed Matrix (S4)		Depleted Dark		-			Material (F21)
	edox (S5)		Redox Depres					w Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		0)			ain in Remarks)
	face (S7)			, =/			Out (Exp.	an in remaine)
Bank Bank	1400 (07)							
³ Indicators of	f hydrophytic vegetat	ion and w	vetland hvdrologv mi	ust be pr	esent. ur	nless dist	urbed or problematic.	
	_ayer (if observed):			р.			and an production and	
Type:	, (, .							
•	ashaa\.						Uvdria Cail Dragont?	Vee No V
Depth (ir	iches).						Hydric Soil Present?	Yes No <u>X</u>
Remarks:								
								Field Indicators of Hydric Soils,
	2015 Errata. (http://w oit possible due to sol					5/nrcs 14.	2p2_051293.docx)	
140 0011 1001 p	nt possible due to sol	ia sabsiit	ate of copple and an	ougo ma	itoriai.			



Upland (right side of photo) G-P3-B



Upland G-P3-B- Soils

SITE PHOTOGRAPHS

Project/Site: CHPE - Package 3 - Route 50 Pond - MP 156.3	City/County: Saratoga Sampling Date: 08/03/22					
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-Point_WET					
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa					
Landform (hillside, terrace, etc.): Footslope Local r	relief (concave, convex, none): Convex Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',90.59"N	Long: 73°,49',30.55"W Datum:					
Soil Map Unit Name: Windsor Loamy Sand	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 disturb						
Are Vegetation, Soil, or Hydrology naturally problema						
						
SUMMARY OF FINDINGS – Attach site map showing samp	pling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No	within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
X Surface Water (A1) Water-Stained Leaves (E						
High Water Table (A2) X Aquatic Fauna (B13)	Moss Trim Lines (B16)					
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)					
X Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres of						
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4) Recent Iron Reduction in	in Tilled Soils (C6) Geomorphic Position (D2)					
Iron Deposits (B5) Thin Muck Surface (C7)	i de la companya de					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes X No Depth (inches):						
Water Table Present? Yes No _X Depth (inches):						
Saturation Present? Yes X No Depth (inches):	4 Wetland Hydrology Present? Yes X No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks:						

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
I. Salix nigra	10	Yes	OBL	Number of Deminant Chasins		
Acer negundo	10	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)		
				Total Number of Dominant Species Across All Strata: 8 (B)		
i.				Percent of Dominant Species That Are OBL, FACW, or FAC: 87.5% (A/B		
	-	·		Prevalence Index worksheet:		
	20	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15')		-		OBL species x 1 =		
. Lonicera tatarica	20	Yes	FACW	FACW species x 2 =		
				FAC species x 3 =		
				FACU species x 4 =		
				UPL species x 5 =		
· ·				Column Totals: (A) (B		
		· ——		Prevalence Index = B/A =		
·		· 		Hydrophytic Vegetation Indicators:		
·	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
lorb Stratum (Diot aiza: E')		- Total Cover		X 2 - Dominance Test is >50%		
Herb Stratum (Plot size: 5')	15	Vaa	OBL			
Lythrum salicaria	15	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations (Provide suppo		
Persicaria pensylvanica	15	Yes	FACW	data in Remarks or on a separate sheet)		
Alisma subcordatum	10	Yes	OBL			
. Carex stricta	5	No No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)		
5. Bidens frondosa	5	No No	FACW	¹ Indicators of hydric soil and wetland hydrology must		
S. <u>Poa palustris</u>	10	Yes	FACW	be present, unless disturbed or problematic.		
·				Definitions of Vegetation Strata:		
3 D				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		
	60	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Voody Vine Stratum (Plot size: 15')				Woody vines – All woody vines greater than 3.28 ft in		
. Celastrus scandens	5	Yes	FACU	height.		
<u>.</u>						
3.				Hydrophytic		
l.				Vegetation Present? Yes X No		
	5	=Total Cover				
		. 5.5.				

Profile Desc	ription: (Describe t	o the de	oth needed to docu	ment th	ne indica	tor or c	onfirm the absence o	of indicators.)
Depth	Matrix		Redox	κ Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/1	100					Loamy/Clayey	
6-12	10YR 3/1	95	10YR 4/6	5	<u>C</u>	<u>M</u>	Mucky Loam/Clay	Prominent redox concentrations
								<u>-</u>
¹ Type: C=Co	ncentration, D=Deple	etion, RM	=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:							for Problematic Hydric Soils ³ :
Histosol (A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm M	uck (A10) (LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)		MLRA 149B))			? Coast F	Prairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa		-		· —	ucky Peat or Peat (S3) (LRR K, L, R)
	Sulfide (A4)		High Chroma S					ue Below Surface (S8) (LRR K, L)
	Layers (A5)	(0.14)	Loamy Mucky I			R K, L)		ark Surface (S9) (LRR K, L)
	Below Dark Surface k Surface (A12)	(A11)	Loamy Gleyed		F2)			inganese Masses (F12) (LRR K, L, R) int Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Depleted Matrix X Redox Dark Su		:6)			Spodic (TA6) (MLRA 144A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark		-			rent Material (F21)
Sandy Re			Redox Depress					nallow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR l	R K , L)			Other (I	Explain in Remarks)
Dark Sur	ace (S7)							
2								
		on and w	etland hydrology mu	ıst be pr	esent, ur	nless dis	turbed or problematic.	
Type:	ayer (if observed):							
_	-1 V						Uhadaia Oail Baasa	
Depth (in	cnes):						Hydric Soil Prese	ent? Yes X No No
Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) No soil test pit possible due to solid substrate of cobble and dredge material.								



Wetland GP3-Pond1 - View facing northeast



Wetland GP3-Pond1 – Soils (Standing Water)

SITE PHOTOGRAPHS

Champlain Hudson Power Express

Segment 4 and 5 – Package 3

Project/Site: CHPE - Package 3 - Route 50 Pond - MP 156.3	City/County: Saratoga Sampling Date: 08/03/22					
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-Pond1_UP					
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa					
Landform (hillside, terrace, etc.): Outwash Plain Lo	ocal relief (concave, convex, none): Convex Slope %: 10					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',90.59'						
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: None					
Are climatic / hydrologic conditions on the site typical for this time of year	ar? Yes X No (If no, explain in Remarks.)					
Are Vegetation , Soil , or Hydrology significantly d						
Are Vegetation, Soil, or Hydrology naturally prob						
	campling point locations, transects, important features, etc.					
Comman of The Division - Attach site map showing s						
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	.)					
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 Leav	res (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 O	C1) Crayfish Burrows (C8)					
Sediment Deposits (B2) Oxidized Rhizosphe	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3) Presence of Reduce	ron (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4) Recent Iron Reducti	in Tilled Soils (C6) Geomorphic Position (D2)					
Iron Deposits (B5) Thin Muck Surface (Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Re	mrks) Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)					
Field Observations:	-					
Surface Water Present? Yes No _X Depth (incl	nes):					
Water Table Present? Yes No X Depth (incl						
Saturation Present? Yes No X Depth (incl						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos	, previous inspections), if available:					
Remarks:						

Tree Stratum (Diet size: 20'	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30')		Species?	Status	Dominance Test Worksheet:
1. Acer negundo	10	Yes	FAC	Number of Dominant Species
2. Fraxinus americana	10	Yes	FACU	That Are OBL, FACW, or FAC:3(A)
3.				Total Number of Dominant
4				Species Across All Strata: 8 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 37.5% (A/B)
7				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species x 1 =
1.				FACW species x 2 =
2. Lonicera tatarica	25	Yes	FACU	FAC species x 3 =
3. Frangula alnus	5	No	FAC	FACU species x 4 =
4. Elaeagnus umbellata	5	No	UPL	UPL species x 5 =
5				Column Totals: (A)(B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1.				3 - Prevalence Index is ≤3.0 ¹
2. Persicaria pensylvanica	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Poa palustris	10	Yes	FACW	data in Remarks or on a separate sheet)
4. Daucus carota	10	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	35	=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. Rubus allegheniensis	5	Yes	FACU	height.
2. Celastrus scandens	15	Yes	FACU	
3.				Hydrophytic Vegetation
4.				Present? Yes No X
	20	=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			
` '	,			

Sampling Point: 3-P3-Pond1_UI

		to the de				tor or co	onfirm the absence of in	dicators.)
Depth	Matrix	0/		x Featur		1 - 2	T 4	Demonde
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-14	10YR 4/2	100					Loamy/Clayey	
								_
¹ Type: C=C	oncentration, D=Depl	etion RN	=Reduced Matrix N	 AS=Mas	ked Sand	I Grains	² Location: PL =F	Pore Lining, M=Matrix.
Hydric Soil		Ction, rai	1-1 Codoca Matrix, 10	vio-ivias	ica Garic	Oranis.		Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RRR		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		ce (50) (i	LIXIX IX,		ie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surf	•	(I PP P	MI DA 1		Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-		· —	selow Surface (S8) (LRR K, L)
	l Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	d Below Dark Surface	· (A11)	Loamy Gleyed			₹ ₹ , ∟)		nese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(A11)			F2)			
	lucky Mineral (S1)		Depleted Matri Redox Dark St		.e)			loodplain Soils (F19) (MLRA 149B)
	sleyed Matrix (S4)		Depleted Dark		-			lic (TA6) (MLRA 144A, 145, 149B) Material (F21)
	edox (S5)		Redox Depres					w Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		0)			ain in Remarks)
			IVIAIT (I*10) (LK	K K, L)			Other (Expi	alli ili Nelliaiks)
Dark Su	rface (S7)							
3Indicators of	f hydrophytic vegetat	ion and w	otland hydrology mi	ict ho pr	rocont ur	aloes dist	urhad ar problematic	
	Layer (if observed):		retiand hydrology mit	ust be pi	esent, ui	iless dist	urbed or problematic.	
Type:	Layer (ii observeu).							
•								
Depth (ii	nches):						Hydric Soil Present?	Yes No <u>X</u>
Remarks:								
								Field Indicators of Hydric Soils,
	2015 Errata. (http://w					S/nrcs14	2p2_051293.docx)	
No son test p	it possible due to sol	เด รนธรเก	ate of copple and dre	eage ma	iteriai.			



Upland GP3-Pond1 (right side of photo) - View facing east



Upland GP3-Pond1 - Soils

SITE PHOTOGRAPHS

Project/Site: CHPE - Package 3 - Near Route 50/Pond - MP 156.3	City/County: Saratoga Sampling Date: 08/03/22					
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-A_WET					
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa					
Landform (hillside, terrace, etc.): Outwash Plain Local	relief (concave, convex, none): Convex Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',65.49"N	Long: 73°,49',30.55"W Datum:					
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: 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 Hydrology significantly disturb	<u> </u>					
Are Vegetation , Soil , or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam						
Command of Findings - Attach site map showing sum						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No	within a Wetland? Yes X No No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) X Water-Stained Leaves (B						
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 (
	s 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 in	· , , , ,					
Iron Deposits (B5) Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No X Depth (inches):	: <u></u>					
Water Table Present? Yes No X Depth (inches):	: <u></u>					
Saturation Present? Yes X No Depth (inches):	8 Wetland Hydrology Present? Yes X No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks:						

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Salix nigra	20	Yes	OBL	Dominance rest worksneet.
Ulmus americana	15	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)
				That Are OBL, FACW, or FAC: 7 (A)
3. Populus deltoides4.	15	Yes	FAC	Total Number of Dominant Species Across All Strata: 9 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:77.8%(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. Cornus amomum	5	Yes	FACW	FACW species x 2 =
2. Rhus typhina	5	Yes	UPL	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:
· -	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
Lythrum salicaria	15	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
Onoclea sensibilis	10	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
Lysimachia nummularia	5	No	FACW	data in Remarks or on a separate sheet)
A Community regular	10	Yes	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
-	10	165	OBL	
6.		·		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				-
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
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: 15')		•		Was decided a Alleman decides a way to the up 2 00 ft in
1. Parthenocissus quinquefolia	10	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft in height.
2.				3
3.				Hydrophytic
4.				Vegetation Present? Yes X No
·	10	=Total Cover		riesent: res_XNO
		- Total Covel		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: <u>G-P3-A_WET</u>

Depth	Matrix		Redo	x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-4	7.5YR 3/1	100					Loamy/Clayey		
4-14	10YR 3/2	95	10YR 4/6	5	<u>C</u>	<u>M</u>	Sandy	Prominent redox concentrations	
_									
Type: C=Co	oncentration, D=Depl	etion, RM	======================================	 ∕/S=Mas	ked San	d Grains.	² Location: P	L=Pore Lining, M=Matrix.	
Hydric Soil I								or Problematic Hydric Soils ³ :	
Histosol			Polyvalue Belo		ce (S8) (LRR R,		ick (A10) (LRR K, L, MLRA 149B)	
	pipedon (A2)		MLRA 149B	•				rairie Redox (A16) (LRR K, L, R)	
Black His			Thin Dark Surf					icky Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		High Chroma S					le Below Surface (S8) (LRR K, L)	
	l Layers (A5)	(044)	Loamy Mucky			R K, L)		rk Surface (S9) (LRR K, L)	
	d Below Dark Surface	e (A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12) lucky Mineral (S1)		Depleted Matri Redox Dark St	` '	E6)			nt Floodplain Soils (F19) (MLRA 149B	
	Sleyed Matrix (S4)		Depleted Dark		-		Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21)		
X Sandy R			Redox Depres					allow Dark Surface (F22)	
	Matrix (S6)		Marl (F10) (LR		0)			explain in Remarks)	
	rface (S7)		Man (1 10) (LIV	.it it, L)			Other (E	лент пт котпатко)	
³ Indicators of	f hydrophytic vegetat	ion and w	etland hydrology mu	ust be pi	resent, u	nless dist	urbed or problematic.		
Restrictive I Type:	Layer (if observed):								
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No	
Remarks:									
								CS Field Indicators of Hydric Soils,	
	2015 Errata. (http://w oit possible due to sol					S/IIICS 142	2p2_051293.docx)		
110 0011 1001 p	ni poddibio ddo to ddi	ia oabour	no or oobbio and an	ougo me	ttoriai.				

Project/Site: CHPE - Package 3 - Near Route 50/pond - MP 156.3	City/County: Saratoga Sampling Date: 08/03/22					
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-A_UP					
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa					
Landform (hillside, terrace, etc.): Outwash Plain Local	relief (concave, convex, none): Convex Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',65.49"N	Long: 73°,49',30.50"W Datum:					
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: None					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrologysignificantly disturb						
Are Vegetation, Soil, or Hydrology naturally problems						
						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area					
Hydric Soil Present? Yes No X	within a Wetland? Yes No X					
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) Water-Stained Leaves (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 (
Sediment Deposits (B2) Oxidized Rhizospheres						
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:	<u></u>					
Surface Water Present? Yes No X Depth (inches):	•					
Water Table Present? Yes No X Depth (inches):						
Saturation Present? Yes No X Depth (inches):						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections) if available:					
Remarks:						

Absolute	Dominant	Indicator	Deminones Test		
% Cover	Species?	Status	Dominance Test worksheet:		
			Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)		
10	Yes	FACU			
			Total Number of Dominant		
			Species Across All Strata: 7 (B)		
			Percent of Dominant Species		
			That Are OBL, FACW, or FAC: 28.6% (A/E		
			Prevalence Index worksheet:		
30	=Total Cover		Total % Cover of: Multiply by:		
			OBL species x 1 =		
10	Yes	FAC	FACW species x 2 =		
15	Yes	FACU	FAC species x 3 =		
			FACU species x 4 =		
			UPL species x 5 =		
			Column Totals: (A) (E		
			Prevalence Index = B/A =		
			Hydrophytic Vegetation Indicators:		
25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
			2 - Dominance Test is >50%		
10	Vec	LIDI	3 - Prevalence Index is ≤3.0 ¹		
			4 - Morphological Adaptations ¹ (Provide supporti		
	165	TACVV	data in Remarks or on a separate sheet)		
			Problematic Hydrophytic Vegetation ¹ (Explain)		
			¹ Indicators of hydric soil and wetland hydrology must		
			be present, unless disturbed or problematic.		
	· 		Definitions of Vegetation Strata:		
	· 		Tree – Woody plants 3 in. (7.6 cm) or more in		
			diameter at breast height (DBH), regardless of heigh		
	·		Sapling/shrub – Woody plants less than 3 in. DBH		
			and greater than or equal to 3.28 ft (1 m) tall.		
			Herb – All herbaceous (non-woody) plants, regardle:		
20	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
			Woody vines – All woody vines greater than 3.28 ft		
10	Yes	FACU	height.		
			Hydrophytic Vegetation		
	·		Present? Yes No X		
10	=Total Cover		_ · · · · _ · · _		
	20 10 30 10 15 25 10 10	20 Yes 10 Yes 30 =Total Cover 10 Yes 15 Yes 25 =Total Cover 10 Yes 10 Yes 25 =Total Cover	20 Yes FACU		

SOIL Sampling Point G-P3-A_UP

		to the de				tor or co	onfirm the absence of in	ndicators.)
Depth	Matrix	0/		x Featur		1 - 2	T 4	Demonto
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-12	7.5YR 3/4	100					Sandy	
¹ Type: C=Ce	oncentration, D=Depl	etion. RN	=Reduced Matrix. N	/IS=Mas	ked Sand	Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil								Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RR R.		(A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		() (-	,		rie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf	•	(LRR R.	MLRA 1		y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed			, ,		anese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(* * * * *)	Depleted Matri		/			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			dic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark		-			t Material (F21)
	edox (S5)		Redox Depres					ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		-,			lain in Remarks)
	face (S7)			, ,				,
	()							
³ Indicators o	f hydrophytic vegetat	ion and w	vetland hvdrologv mi	ust be pr	esent. ur	less dist	urbed or problematic.	
	_ayer (if observed):		, 3,		,		'	
Type:	,							
Depth (ii	ochoe):						Hydric Soil Present?	Yes No X
Deptii (ii	<u> </u>						nyunc son Fresent:	Yes No_X_
Remarks:								
	m is revised from No 2015 Errata. (http://w							Field Indicators of Hydric Soils,
	it possible due to sol					3/11105 142	2ρ2_031293.d0cx)	
	possible and to se.			agea				

Project/Site: CHPE - Package 3 - Along Route 50 - MP 156.4	City/County: Saratoga Sampling Date: 10/12/22					
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-U_WET					
Investigator(s): KW, KS	Section, Township, Range: Ballston Sps					
Landform (hillside, terrace, etc.): Outwash Plains Local	relief (concave, convex, none): Convex Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',20.50"N	Long: 73°,49',32.60"W Datum:					
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: 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 Hydrology significantly disturt						
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 Remarks: (Explain alternative procedures here or in a separate report.)	If yes, optional Wetland Site ID:					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) X Water-Stained Leaves (E						
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)					
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres of the control of the						
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 Remark						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No X Depth (inches):						
Water Table Present? Yes No X Depth (inches):						
Saturation Present? Yes X No Depth (inches):	8 Wetland Hydrology Present? Yes X No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
P						
Remarks:						

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	15	Yes	FACW	Dominance rest worksheet.
	20			Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)
2. Acer rubrum		Yes	FAC	That Are OBL, FACW, or FAC: 6 (A)
3. Pinus strobus4.	5	No No	FACU	Total Number of Dominant Species Across All Strata: 8 (B)
5.6.		· <u></u>		Percent of Dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover	(<u> </u>	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1. Cornus amomum	15	Yes	FACW	FACW species x 2 =
2. Lonicera tatarica	5	Yes	FACU	FAC species x 3 =
3. Rhamnus cathartica	5	Yes	FAC	FACU species x 4 =
4.				UPL species x 5 =
5.				Column Totals: (A) (B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')	-			X 2 - Dominance Test is >50%
1. Alliaria petiolata	10	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Symplocarpus foetidus	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
Lysimachia nummularia	10	Yes	FACW	data in Remarks or on a separate sheet)
Epilobium coloratum		No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5.			-	
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				-
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				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
	35	=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.
2.				Hydrophytic
3.				Vegetation
4.				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: G-P3-U_WET

Profile Desc	ription: (Describe t	to the dep	th needed to docu	ıment th	e indica	tor or co	onfirm the absence o	f indicators.)
Depth	Matrix			x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 4/1	100					Loamy/Clayey	
4-14	10YR 4/1	97	10YR 4/6	3	С	М	Mucky Sand	Prominent redox concentrations
						_		
1							2.	
'Type: C=Co	ncentration, D=Depl	letion, RM=	Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.		PL=Pore Lining, M=Matrix. For Problematic Hydric Soils ³ :
Black His Hydroger Stratified Depleted	ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface	- - - - (A11)	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed) ace (S9) Sands (S Mineral (Matrix (I	(LRR R 11) (LRF (F1) (LRI	, MLRA 1 R K, L)	? Coast P 49B) 5 cm Mu Polyvalu Thin Da	uck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12) ucky Mineral (S1)	-	Depleted Matri Redox Dark Su		6)			nt Floodplain Soils (F19) (MLRA 149B) spodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)	-	Depleted Dark	Surface	(F7)		Red Pai	rent Material (F21)
X Sandy R	edox (S5)	_	Redox Depress	sions (F	3)		Very Sh	allow Dark Surface (F22)
Stripped	Matrix (S6)	_	Marl (F10) (LR	RK, L)			Other (E	Explain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	hydrophytic vegetat	ion and we	tland hydrology mu	ıst be pr	esent ur	nless disti	urbed or problematic.	
	ayer (if observed):			р.	333111, 311		альса с. р.солонаце.	
Type:	,							
Depth (in	iches):						Hydric Soil Prese	nt? Yes X No
Remarks: This data form Version 7.0, 2		/ww.nrcs.u	sda.gov/Internet/F	SE_DOC	UMENT		2.0 to include the NR	CS Field Indicators of Hydric Soils,

Project/Site: CHPE - Package 3 - Along Route 50 - MP156.4	City/County: Saratoga Sampling Date: 10/12/22
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-U_UP
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
Landform (hillside, terrace, etc.): Outwash Plains Local r	relief (concave, convex, none): Convex Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',20.50"N	Long: 73°,49',32.60"W Datum:
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing samp	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No X 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.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (E	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	on (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) Other (Explain in Remark	ks)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-	vious inspections), if available:
Remarks:	

Total Christian (Diet sine)	Absolute	Dominant	Indicator	Daminamas Tast wantahasti
Tree Stratum (Plot size: 30') 1. Pinus strobus	% Cover	Species?	Status FACU	Dominance Test worksheet:
	15 20	Yes		Number of Dominant Species
Acer saccharum Fraxinus americana		Yes	FACU	That Are OBL, FACW, or FAC:1 (A)
Fraxinus americana Acer rubrum	15 5	Yes No	FACU FAC	Total Number of Dominant Species Across All Strata: 9 (B)
5.	<u> </u>	INO	FAC	`` ,
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 11.1% (A/B)
7.				Prevalence Index worksheet:
	55	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 =
1. Acer saccharum	10	Yes	FACU	FACW species x 2 =
2. Lonicera tatarica	5	Yes	FACU	FAC species x 3 =
3. Cornus amomum	5	Yes	FACW	FACU species x 4 =
4.				UPL species x 5 =
5				Column Totals: (A) (B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Alliaria petiolata	10	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Fragaria virginiana 3.	5	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	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
Parthenocissus quinquefolia	5	Yes	FACU	height.
2.				Hydrophytic
3.				Vegetation
4				Present?
	5	=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: G-P3-U_UP

SOIL Sampling Point G-P3-U_UP

		the dep				tor or co	onfirm the absence of inc	dicators.)
Depth (inches)	Matrix	%		x Featur	es Type ¹	Loc ²	Toyturo	Pomorko
(inches)	Color (moist)	70	Color (moist)	%	Туре	LOC	Texture	Remarks
0-12	10YR 4/2	100	_				Loamy/Clayey	
								_
¹Type: C=Co	ncentration, D=Deple	tion RM:	=Reduced Matrix N	/S=Mas	ked Sand	d Grains	² I ocation: PI =F	Pore Lining, M=Matrix.
Hydric Soil I	•	1011, 1111	Ttoddood Matrix, II	vic iviac	nou ounc	oranio.		Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		(A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		 MLRA 149B		(- / (,		e Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa	•	(LRR R	, MLRA 1		Peat or Peat (S3) (LRR K, L, R)
Hydrogei	n Sulfide (A4)	•	High Chroma S	Sands (S	311) (LR F	R K, L)	Polyvalue B	elow Surface (S8) (LRR K, L)
Stratified	Layers (A5)	-	Loamy Mucky	Mineral	(F1) (LR I	R K, L)	Thin Dark S	urface (S9) (LRR K, L)
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Mangar	nese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)	_	Depleted Matri	x (F3)			Piedmont FI	oodplain Soils (F19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spod	ic (TA6) (MLRA 144A, 145, 149B)
Sandy G	eyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent	Material (F21)
Sandy R	edox (S5)	-	Redox Depress		8)			w Dark Surface (F22)
	Matrix (S6)	-	Marl (F10) (LR	RK, L)			Other (Expla	ain in Remarks)
Dark Sur	face (S7)							
3								
	hydrophytic vegetatio	on and we	tland hydrology mu	ust be pr	esent, ur	ness dist	urbed or problematic.	
	ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Present?	Yes No _X
Version 7.0, 2	n is revised from Nort 2015 Errata. (http://wv it possible due to solid	ww.nrcs.u	ısda.gov/Internet/F	SE_DOC	CUMENT			Field Indicators of Hydric Soils,

Project/Site:	Champlain Huds	son Express		City/Coun	nty: Saratoga		Sampling D	Date: Dece	ember 8, 2021	
Applicant/Owner:	СНА			State:	NY		Sampling P	Point: DP-E	DB	
Investigator(s):	Tristen Peterson	<u> </u>		Section, To	ownship, Range:	Saratoga S	Springs			
Landform (hillslope,	-	Depression			f (concave, convex		Concave	Slo	pe (%): 1	
		LRR R		Lat: 43.032207	•	ng: -73.827504			um: NAD83	
Subregion (LRR or I	-		2 = ====== t ele		'IN LOII					
Soil Map Unit Name		sor loamy sand, 3 to			V N		NWI classification:	Not Mapped		
Are climatic / hydrol	-		-				, explain in Remarks.			
		, or Hydrology				'Normal Circum	nstances" present?	Yes	X No	
Are Vegetation	, Soil	, or Hydrology	natu	rally problematic?	? (If ne	eded, explain a	any answers in Rem	ıarks.)		
SUMMA	ARY OF FIND	INGS – Attach	ı site map	showing sam	pling point lo	cations, tra	ansects, import	tant featur	es, etc.	
Hydrophytic Vege	etation Present?	Yes	X No		Is the Sampled A	Area				
Hydric Soil Preser		Yes	X No within a Wetla				Yes X	No	_	
Wetland Hydrolog		Yes	X No		If yes, optional W	etland Site ID:	DB			
HYDROLOGY										
Wetland Hydrolo	av Indicators:					ç	Secondary Indicators	/minimum of	two required)	
1		= := required; check	· all that apply)				Secondary Indicators Surface Soil Cracks		.wo required)	
Surface Water		e is required; check		-Stained Leaves (E	D0/	<u>x</u>	Surface Soil Cracks Drainage Patterns (
X High Water T				ic Fauna (B13)	ьэ <i>)</i>		Moss Trim Lines (B			
X Saturation (A				Deposits (B15)		Dry-Season Water Table (C2)				
Water Marks	•			gen Sulfide Odor ((C1)	_	Crayfish Burrows (C			
Sediment De					on Living Roots (C	3)	Saturation Visible o	•	erv (C9)	
Drift Deposits				nce of Reduced Iro	-	- — — — —	Stunted or Stressed	_		
Algal Mat or				t Iron Reduction ir						
Iron Deposits	s (B5)		Thin M	Muck Surface (C7)		Shallow Aquitard (D3)				
	isible on Aerial Im		Other	(Explain in Remar	rks)	_	Microtopographic R	Relief (D4)		
Sparsely Veg	getated Concave	Surface (B8)					FAC-Neutral Test (I	D5)		
Field Observation										
Surface Water Pre		Yes No								
Water Table Prese		Yes X No			,	Wetland Hydro	ology Present?	Yes X	No	
Saturation Presen		Yes X No	Depth	ı (inches): 4						
(includes capillary Describe Recorde	<u> </u>	auge, monitoring w	ell aerial phot	os previous inspe	ections) if available	<u> </u>				
Dodding 11000.11	u Data (cca g.	augo, mor	OII, aona. p	00, providuoe	50110110), 11 4141101111	<i>.</i> .				
Remarks:										

O (D)	Absolute		Indicator	Dominance Test worksheet:	
ee Stratum (Plot size: 30 ft.)	% Cover	Species?	Status	Number of Dominant Species	
Acer rubrum	15	Yes	FAC	That Are OBL, FACW, or FAC	
Quercus ellipsoidalis	5	No	UPL	Total Number of Dominant	
Quercus rubra	10	Yes	FACU	Species Across All Strata:	4(B)
				Percent of Dominant Species	
				That Are OBL, FACW, or FAC	: 50 (A/E
				Prevalence Index workshee	
				Total % Cover of:	Multiply by:
	30	= Total Cover			x 1 = 0
oling/Shrub Stratum (Plot size: 15 ft.)					x 2 = 110
Euonymus alatus	10	Yes	UPL	FAC species 15	
				FACU species 10	
				UPL species 15	
				Column Totals: 95	(A) <u>270</u> (B
				Prevalence Index = B/A	A = 2 84
				Hydrophytic Vegetation Indi	
				1 - Rapid Test for Hydrop X 2 - Dominance Test is >5	
	10	= Total Cover		X 3 - Prevalence Index is ≤	
b Stratum (Plot size: 5 ft.)				4 - Morphological Adapta	
Onoclea sensibilis	 55	Yes	FACW	data in Remarks or o	n a separate sheet)
		163	TAOW	Problematic Hydrophytic	Vagatation ¹ (Eyplain)
				1,	
				¹ Indicators of hydric soil and v	·
				be present, unless disturbed of	or problematic.
				Definitions of Vegetation St	rata:
				Tree – Woody plants 3 in. (7.6	6 cm) or more in diameter
				at breast height (DBH), regard	dless of height.
				Sapling/shrub – Woody plan	ts less than 3 in. DBH
				and greater than or equal to 3	
				Herb – All herbaceous (non-w	yoody) plants, regardless of
)				size, and woody plants less th	
I				Woody vines – All woody vine	es greater than 3 28 ft in
2.				height.	co greater than 0.20 it in
	55	= Total Cover			
ody Vine Stratum (Plot size: 30 ft.)					
				Hydrophytic	
				Vegetation	
				Present? Yes	X No
	0	= Total Cove	r		
				•	

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



Wetland DB- View facing North



Wetland DB- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

Champlain Hudson Power Express

Project/Site:	Champlain Huds	son Express		City/Cour	nty: Sarato	oga	Sampling Date:	December 8, 2021		
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-DB-Upland		
Investigator(s):	Tristen Petersor	n		Section, To	ownship, Range	e: Saratoga Springs	_			
Landform (hillslope,		Hillslope			f (concave, con			Slope (%): 3		
	·				•					
Subregion (LRR or		LRR R		Lat: 43.032123	s°N	Long: -73.827604°W		Datum: NAD83		
Soil Map Unit Name	e: WnB- Winds	sor loamy sand, 3 t	to 8 percent slo	pes		NWI cla	ssification: Not I	Mapped		
Are climatic / hydrol	logic conditions or	n the site typical fo	r this time of ye	ear? Yes	X N	o (If no, explain	in Remarks.)			
Are Vegetation	, Soil	, or Hydrology	sign	ificantly disturbed	l? A	Are "Normal Circumstance	s" present?	Yes X No		
Are Vegetation	, Soil	, or Hydrology	natu	urally problematic?	? (I	f needed, explain any ans	wers in Remarks.)			
SUMMA	ARY OF FIND	INGS – Attacl	h site map s	showing sam	pling point	locations, transec	ts, important	features, etc.		
Lludrophytic Vogs	etation Procent?	Voc	No	Y	is the Sample	ad Aron				
Hydrophytic Vege Hydric Soil Prese				X	Is the Sample within a Wetl		No	X		
Wetland Hydrolog		-	No		If yes optiona	al Wetland Site ID:	<u> </u>	<u> </u>		
Remarks: (Explain					II yes, opnorio	di Welland Oile ID.				
HYDROLOGY	- In-all patents					Sacrada	to disease (mini	of two required)		
Wetland Hydrolo								mum of two required)		
		e is required; check					e Soil Cracks (B6)			
Surface Wat				-Stained Leaves (F	B9)		ge Patterns (B10)			
High Water				c Fauna (B13)		Moss Trim Lines (B16)				
Saturation (A	•		· 	Deposits (B15)	(04)		ason Water Table	(C2)		
Water Marks Sediment De	-			gen Sulfide Odor (ed Rhizospheres (h Burrows (C8)	al Imagani (CO)		
Drift Deposit	. , ,			ea Knizospheres (nce of Reduced Iro	_	· · · —	tion Visible on Aeri d or Stressed Plan			
Algal Mat or			_	it Iron Reduction in	, ,		orphic Position (D2			
Iron Deposits	, ,			luck Surface (C7)	•		v Aquitard (D3)	,		
l —	/isible on Aerial Im	nagery (B7)		(Explain in Remar			pographic Relief (D4)		
	getated Concave				,		eutral Test (D5)	,		
Field Observatio										
Surface Water Pre	esent?	Yes No	X Depth	ı (inches):						
Water Table Pres	ent?	Yes No	X Depth	ı (inches):		Wetland Hydrology P	resent? Yes	NoX		
Saturation Preser		Yes No	X Depth	ı (inches):						
(includes capillary										
Describe Recorde	ed Data (stream g	auge, monitoring w	vell, aeriai photo	os, previous inspe	ections), it availa	able:				
Remarks:										
No wetland hyd	rology present a	at data point								

Tree Stratum (Plot size: 30 ft.)	Absolute % Cover		ndicator Status	Dominance Test worksho	eet:
Quercus rubra		Yes	FACU	Number of Dominant Spec That Are OBL, FACW, or I	
2			17.00	That Are OBE, I ACW, Or I	FAC: 0 (A)
3				Total Number of Dominant Species Across All Strata:	
					``,
4				Percent of Dominant Spec That Are OBL, FACW, or I	
5					
6				Prevalence Index worksl	
7		= Total Cover		Total % Cover of: OBL species 0	Multiply by: x 1 = 0
Carling (Charle Charles (Disk sizes 45 ft.)	60	= Total Cover			x = 0 $x = 0$
Sapling/Shrub Stratum (Plot size: 15 ft.)				· ·	x = 0 $x = 0$
1					x 4 = 240
2					x 5 = 50
3				Column Totals: 70	(A) <u>290</u> (B)
4					
5				Prevalence Index =	B/A = 4.14
6				Hydrophytic Vegetation	
7				1 - Rapid Test for Hy	· · · · · ·
	0	= Total Cover		2 - Dominance Test i 3 - Prevalence Index	
Herb Stratum (Plot size: 5 ft.)		- rotal covol		l ——	aptations ¹ (Provide supporting
Dennstaedtia punctilobula	10	Yes	UPL		or on a separate sheet)
2.				Problematic Hydroph	vtic Vegetation ¹ (Explain)
3.				1.	nd wetland hydrology must
				be present, unless disturb	·
4					
5				Definitions of Vegetation	
6				at breast height (DBH), re	(7.6 cm) or more in diameter
7					-
8				Sapling/shrub – Woody pand greater than or equal	
9					
10				size, and woody plants les	on-woody) plants, regardless of ss than 3.28 ft tall.
11					vines greater than 3.28 ft in
12.				height.	villes greater than 5.20 it in
	10	= Total Cover			
Woody Vine Stratum (Plot size: 30 ft.)					
1.					
2.				Hydrophytic	
2				Vegetation Present? Ye	s NoX
3				Present? Te	s NO
4					
	0	= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.) No hydrophytic vegetation found at data point)				

Sampling Point: DP-DB-Upland

SOIL Sampling Point: DP-DB-

Profile Descri Depth	iption: (Describe to the Matrix	e depth need		ndicator or Features	contirm th	ie absence	or indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Ren	narks
-20	10YR 3/3	100					Silt		
20	1011(3/3	100					Oiit		
								-	
		·							
		· ——							
								-	
	'								
		· -					2,		
Type: C=Con	centration, D=Depletion	ı, RM=Reduc	ed Matrix, MS=Masked	d Sand Grai	ns.			PL=Pore Lining, M=N	_
Hydric Soil In			Daharahia Dalam	Curtana (CO	\			or Problematic Hydr	
Histosol (ipedon (A2)		Polyvalue Below : MLRA 149B)	Surface (So) (LKK K,			uck (A10) (LRR K, L Prairie Redox (A16) (I	
Black His			Thin Dark Surface	e (S9) (LRR	R. MLRA	149B)		ucky Peat or Peat (S	•
	n Sulfide (A4)		Loamy Mucky Mir					urface (S7) (LRR K, I	
	Layers (A5)		Loamy Gleyed Ma		, ,		_	ue Below Surface (S	
Depleted	Below Dark Surface (A	11)	Depleted Matrix (Thin Da	rk Surface (S9) (LRF	R K, L)
Thick Da	rk Surface (A12)		Redox Dark Surfa	ace (F6)			Iron-Ma	nganese Masses (F1	12) (LRR K, L, R)
	ucky Mineral (S1)		Depleted Dark Su				_	nt Floodplain Soils (F	
	leyed Matrix (S4)		Redox Depressio	ns (F8)			_	Spodic (TA6) (MLRA	144A, 145, 149B)
	edox (S5)							rent Material (F21)	TE40\
	Matrix (S6)	A 140P)						nallow Dark Surface (IF12)
Dark Sur	face (S7) (LRR R, MLR	A 149D)					Other (E	Explain in Remarks)	
Indicators of I	hydrophytic vegetation a	and wetland h	ovdrology must be pres	ent unless	disturbed o	r problemati	ic		
	ayer (if observed):	and welland i	lydrology must be pres	ent, uness	uistui beu c	i problemati	10.		
Type: Non									
Depth (inc							Hydric Soil P	resent? Yes	No X
							,		
Remarks: No hydric soils p	resent at data point								



Upland DB- View facing North



Upland DB- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

Champlain Hudson Power Express

Project/Site: CHPE - Package 3 - Along Route 50 - MP 156.5	City/County: Saratoga Sampling Date: 10/20/22
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-R_WET
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
Landform (hillside, terrace, etc.): Outwash Plain Local	relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,10',54.25"N	Long: 73°,49',43.25"W Datum:
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: 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 Hydrology significantly disturt	
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
The state of the s	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
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 (E	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
X 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	<u> </u>
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes X No Depth (inches):	8 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
Pinus strobus	25	Yes	FACU	Newskar of Barrier and On add	
2. Acer rubrum	25	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:5(A)	
				Total Number of Dominant	
<u>. </u>				Species Across All Strata: 7 (B)	
<u>. </u>				Percent of Dominant Species	
3.				That Are OBL, FACW, or FAC: 71.4% (A/B	
·				Prevalence Index worksheet:	
	50	=Total Cover		Total % Cover of: Multiply by:	
Sapling/Shrub Stratum (Plot size:15')				OBL species x 1 =	
. Cornus amomum	15	Yes	FACW	FACW species x 2 =	
·				FAC species x 3 =	
i				FACU species x 4 =	
				UPL species x 5 =	
i				Column Totals: (A) (B	
	•			Prevalence Index = B/A =	
				Hydrophytic Vegetation Indicators:	
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
lerb Stratum (Plot size:5')		•		X 2 - Dominance Test is >50%	
. Lythrum salicaria	15	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹	
. Onoclea sensibilis	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide suppor	
. Osmunda regalis	5	No	OBL	data in Remarks or on a separate sheet)	
. Phragmites australis	10	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)	
5. Scirpus atrovirens	5	No	OBL	¹ 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				Herb – All herbaceous (non-woody) plants, regardles	
	50	=Total Cover		of size, and woody plants less than 3.28 ft tall.	
Voody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in	
. Celastrus scandens	5	Yes	FACU	height.	
				Hydrophytic Vegetation	
l.				Present? Yes X No No	
1	5	=Total Cover			

Profile Des	cription: (Describe t	o the dep	th needed to docu	ment th	ne indica	tor or c	onfirm the absence of inc	licators.)
Depth	Matrix			k Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/1	100					Mucky Sand	_
4-16	10YR 3/3	95	10YR 4/6	5	C	M	Sandy	Distinct redox concentrations
	-							
-								
	-							
	oncentration, D=Depl	etion, RM	=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.		ore Lining, M=Matrix.
Hydric Soil				0 ((00) (roblematic Hydric Soils ³ :
Histosol		•	Polyvalue Belo		ce (S8) (I	LRR R,		A10) (LRR K, L, MLRA 149B)
	pipedon (A2) istic (A3)		MLRA 149B) Thin Dark Surfa		/I DD D	MIDA		e Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S		-		· · · · · · · · · · · · · · · · · · ·	elow Surface (S8) (LRR K, L)
	d Layers (A5)	•	Loamy Mucky I					urface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed			, ,		nese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matrix	x (F3)			Piedmont Flo	oodplain Soils (F19) (MLRA 149B)
X Sandy N	Mucky Mineral (S1)		Redox Dark Su	ırface (F	6)		? Mesic Spodi	c (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark					Material (F21)
	Redox (S5)		Redox Depress	•	3)			v Dark Surface (F22)
	d Matrix (S6)	•	Marl (F10) (LR	R K, L)			Other (Expla	iin in Remarks)
Dark Su	ırface (S7)							
³ Indicators o	of hydrophytic vegetati	on and we	etland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
	Layer (if observed):		, ,,	·				
Туре:								
Depth (i	nches):						Hydric Soil Present?	Yes X No
Remarks:							Į.	
								ield Indicators of Hydric Soils,
	2015 Errata. (http://w pit possible due to soli		-	_		S/nrcs14	2p2_051293.docx)	
140 0011 1001	pit possible due to son	ia sabsila	to or oobbie and are	ago ma	torial.			



Wetland G-P3-R

Wetland G-P3-R- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

Champlain Hudson Power Express

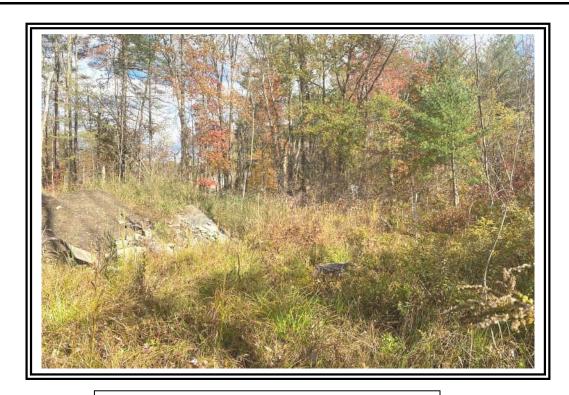
Project/Site: CHPE - Package 3 - Along Route 50 - MP 156.5	City/County: Saratoga Sampling Date: 10/20/22					
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-R_UP					
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa					
Landform (hillside, terrace, etc.): Outwash Plain Local I	relief (concave, convex, none): Concave Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,10',54.25"N	Long: 73°,49',43.25"W Datum:					
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: None					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturb						
Are Vegetation, Soil, or Hydrology naturally problema						
SUMMARY OF FINDINGS – Attach site map showing sam						
Attach site map showing sum						
Hydrophytic Vegetation Present? Yes NoX	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.)						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) Water-Stained Leaves (E						
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						
<u> </u>	——————————————————————————————————————					
						
<u> </u>	n Tilled Soils (C6) Geomorphic Position (D2)					
Iron Deposits (B5) Thin Muck Surface (C7)						
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 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	vious inspections), if available:					
	•					
Remarks:						

T. (D. 1. (D. 1.)	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Pinus strobus	25	Yes	FACU	Number of Dominant Species
2. Acer rubrum	10	Yes	FAC	That Are OBL, FACW, or FAC: 2 (A)
3. Acer saccharum	10	Yes	FACU	Total Number of Dominant
4. Fagus grandifolia	5	No	FACU	Species Across All Strata: 7 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:28.6%(A/B)
7				Prevalence Index worksheet:
	50	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 =
1. Cornus amomum	10	Yes	FACW	FACW species x 2 =
2. Lonicera tatarica	10	Yes	FACU	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:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		_		2 - Dominance Test is >50%
1. Solidago canadensis	15	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Polystichum acrostichoides	5	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
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
	20	=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.				Undergraphydia
3.				Hydrophytic Vegetation
4.				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: G-P3-R_UP

SOIL Sampling Point G-P3-R_UP

		o the de				tor or co	nfirm the absence of in	dicators.)
Depth	Matrix	0/		x Featur		1 - 2	Taratana	Damanta
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/2	100					Sandy	
						<u> </u>		
								_
¹ Type: C=C	oncentration, D=Depl	etion RN	=Reduced Matrix N	 AS=Mas	ked Sand	Grains	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil		etion, ixiv	1-Iteduced Matrix, I	/IO-IVIAS	Keu Sand	Olallis.		Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RR R		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		ce (56) (1	-IXIX IX,		ie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf	•	(I DD D	MI DA 1		y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			Below Surface (S8) (LRR K, L)
	I Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	l Layers (A3) I Below Dark Surface	(//11)	Loamy Gleyed			、Κ, L)		nnese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	: (A11)			Γ ∠)			
	lucky Mineral (S1)		Depleted Matri		:e)			Floodplain Soils (F19) (MLRA 149B)
	lleyed Matrix (S4)		Redox Dark Su Depleted Dark		-			dic (TA6) (MLRA 144A, 145, 149B) : Material (F21)
	edox (S5)		Redox Depres					w Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		5)			ain in Remarks)
			Wiaii (i*10) (LN	K K, L)			Other (Expi	alli ili Nelliaiks)
Dark Sui	face (S7)							
³ Indicators of	f hydrophytic vegetati	ion and w	otland hydrology m	iet ho pr	ocont un	loce diet	irhad ar problematic	
	_ayer (if observed):	on and w	retiand hydrology mi	ast be pi	esent, un	iless dist	arbed or problematic.	
Type:	Layer (ii observed).							
•								
Depth (ir	nches):						Hydric Soil Present?	Yes No X
Remarks:								
								Field Indicators of Hydric Soils,
	2015 Errata. (http://w					S/nrcs142	2p2_051293.docx)	
No son test p	it possible due to sol	เน รนมรแล	ate of copple and dif	euge ma	iteriai.			



Upland G-P3-R

Upland G-P3-R- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

Champlain Hudson Power Express

Project/Site: CHPE - Package 3 - Along Route 50 - S end - MP 157.0	City/County: Saratoga Sampling Date: 10/20/22					
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-Q_WET					
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa					
- , ,	relief (concave, convex, none): Concave Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,10',39.50"N	Long: 73°,49',59.70"W Datum:					
Soil Map Unit Name: Windsor Loamy Sand	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 Hydrologysignificantly disturb						
Are Vegetation, Soil, or Hydrology naturally problems SUMMARY OF FINDINGS – Attach site map showing sam						
Somman of Thebress - Attach site map showing same	T					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No	within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) X Water-Stained Leaves (E						
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)					
X Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)					
X 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 ir						
Iron Deposits (B5) — Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No _X Depth (inches):	i <u>. </u>					
Water Table Present? Yes No _X Depth (inches):						
Saturation Present? Yes X No Depth (inches):	Yes X No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Develop						
Remarks:						

	Absolute	Dominant	Indicator	Dominous Test weeks best
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
Prunus serotina	5	Yes	FACU	Number of Dominant Species
Fraxinus americana	5	Yes	FACU	That Are OBL, FACW, or FAC:5 (A)
Acer negundo	10	Yes	FAC	Total Number of Dominant Species Across All Strata: 7 (B)
				Descent of Deminant Species
				Percent of Dominant Species That Are OBL, FACW, or FAC: 71.4% (A/B
				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15')		•		OBL species x 1 =
Cornus amomum	50	Yes	FACW	FACW species x 2 =
Lonicera tatarica	10	No	FACU	FAC species x 3 =
				FACU species x 4 =
	-			UPL species x 5 =
				Column Totals: (A) (B
				Prevalence Index = B/A =
·				Hydrophytic Vegetation Indicators:
	60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')		- Total Govel		X 2 - Dominance Test is >50%
·	15	Voc	EACW	3 - Prevalence Index is ≤3.0 ¹
Osmundastrum cinnamomeum	15	Yes	FACW	
Onoclea sensibilis	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supportidata in Remarks or on a separate sheet)
Equisetum hyemale	10	Yes	FAC	
Solidago altissima	5	<u>No</u>	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
·				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of height
).				Sapling/shrub – Woody plants less than 3 in. DBH
1.				and greater than or equal to 3.28 ft (1 m) tall.
2.				Harb. All barbassas (non usada) rilanta namandia
	45	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
/oody Vine Stratum (Plot size: 15')		•		
				Woody vines – All woody vines greater than 3.28 ft i height.
				noight.
				Hydrophytic
·				
				Vegetation
·		=Total Cover		

		to the de				itor or co	onfirm the absence o	f indicators.)
Depth	Matrix	0/		x Featur		1 2	Taretrona	Damanka
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/2	100					Loamy/Clayey	
3-12	10YR 3/1	90	10YR 4/6	10	С	M	Sandy	Prominent redox concentrations
								_
								_
								_
1Typo: C=C	oncentration, D=Depl	otion PM	4-Poducod Matrix N		kod San		² Location: D	L=Pore Lining, M=Matrix.
Hydric Soil	•	elion, Kiv	I-Reduced Matrix, N	13-IVIAS	keu San	d Grains.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R.		ick (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		() (,		rairie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa		(LRR R	, MLRA 1		icky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	311) (LRI	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky I	Mineral	(F1) (LR I	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		? Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
	Sleyed Matrix (S4)		Depleted Dark	Surface	(F7)			ent Material (F21)
X Sandy R			Redox Depress		8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K , L)			Other (E	xplain in Remarks)
? Dark Su	rface (S7)							
³ Indicators of	f hydrophytic vegetati	ion and w	etland hydrology mi	iet ha nr	acant III	aleee dieti	urhed or problematic	
	Layer (if observed):		retiand hydrology mic	ist be bi	eseni, ui	iless dist	urbed or problematic.	
Type:	Layer (ii observea).							
Depth (ii	nches):						Hydric Soil Prese	nt? Yes X No
							Tryunc 3011 Frese	165 <u>/</u> 10
Remarks:	m is revised from No.	rthcontrol	and Northaast Pagi	onal Su	nnlomon	t Vorsion	2.0 to include the NPC	CS Field Indicators of Hydric Soils,
	2015 Errata. (http://w							53 Field indicators of Frydric Solls,
	oit possible due to sol							



Wetland G-P3-Q



Wetland G-P3-Q- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

Champlain Hudson Power Express

Project/Site: CHPE - Package 3 - Along Route 50, at S. end - MP 157.0	City/County: Saratoga Sampling Date: 10/20/22
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-Q_UF
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
• ` ` '	al relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,10',39.50"N	
Soil Map Unit Name: Windsor Loamy Sand	NWI classification: None
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 dist	
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No X No X	Is the Sampled Area within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	ii yoo, opiionai rrodana olio ib.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odo	
	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced	
Algal Mat or Crust (B4) Recent Iron Reduction This Must Surface (C)	. ,
Iron Deposits (B5) Thin Muck Surface (C	<u> </u>
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches	
Water Table Present? Yes No X Depth (inches	
Saturation Present? Yes No X Depth (inches	s): Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	orevious inspections), il avallable:
Remarks:	

	Absolute	Dominant	Indicator	Dominana Tash walkaka ah
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
Pinus strobus	10	Yes	FACU	Number of Dominant Species
Prunus serotina	5	No	FACU	That Are OBL, FACW, or FAC: 2 (A)
Fraxinus americana	10	Yes	FACU	Total Number of Dominant
Acer saccharum	10	Yes	FACU	Species Across All Strata: 7 (B)
i				Percent of Dominant Species
S				That Are OBL, FACW, or FAC: 28.6% (A/B)
·				Prevalence Index worksheet:
	35	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species x 1 =
. Cornus amomum	5	Yes	FACW	FACW species x 2 =
Lonicera tatarica	5	Yes	FACU	FAC species x 3 =
3				FACU species x 4 =
l				UPL species x 5 =
i				Column Totals: (A) (B
i				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%
. Onoclea sensibilis	10	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Mitchella repens	5	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supportin
3.		· <u></u>		data in Remarks or on a separate sheet)
ı				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				1 adicators of budgies will and water developed budgets were
3.				¹ 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.				
1.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2.				
	15	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
		' Total Gover		
Voody Vine Stratum (Plot size: 15')				Woody vines – All woody vines greater than 3.28 ft in height.
·				neight.
·				
2.				Hydrophytic
2.				Vegetation
2.		=Total Cover		

SOIL Sampling Point G-P3-Q_UP

		to the de				tor or co	nfirm the absence of ir	ndicators.)
Depth	Matrix	0/		x Featur		1 - 2	T	Damanda
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-12	7.5YR 4/2	100					Sandy	
¹ Type: C=Co	oncentration, D=Depl	etion. RN	/=Reduced Matrix. N	MS=Mas	ked Sand	Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil	•							Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RR R.		(A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		() (-	- ,		rie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf	•	(LRR R.	MLRA 1		y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed			, ,		anese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(* * * * *)	Depleted Matri		- – /			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			dic (TA6) (MLRA 144A, 145, 149B)
	ileyed Matrix (S4)		Depleted Dark		-			t Material (F21)
	edox (S5)		Redox Depres					ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		- /			lain in Remarks)
	face (S7)			, ,				,
	()							
³ Indicators of	f hydrophytic vegetati	ion and w	vetland hvdrologv mi	ust be pr	esent. ur	ıless distı	urbed or problematic.	
	_ayer (if observed):		, 3,	•	,		<u> </u>	
Type:	, , , , , , , , , , , , , , , , , , , ,							
Depth (ir	ochoe):						Hydric Soil Present?	Yes No X
Deptii (ii							nyunc son Fresent:	Yes No_X_
Remarks:								
	m is revised from Noi 2015 Errata. (http://w							Field Indicators of Hydric Soils,
	it possible due to sol					3/11105 142	2p2_031293.docx)	
	pood.a.o aao to oo.			- ag				



Upland G-P3-Q



Upland G-P3-Q- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

Champlain Hudson Power Express

Project/Site: CHPE - Package 3 - North of Northline - 157.4	City/County: Saratoga Sampling Date: 10/20/22						
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-W_WET						
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa						
- ' -	relief (concave, convex, none): Convex Slope %: 5						
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,15',22.25"N	Long: 73°,50',14.30"W Datum:						
Soil Map Unit Name: Deerfield Loamy Sand	NWI classification: 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 disturb							
Are Vegetation, Soil, or Hydrology naturally problema							
SUMMARY OF FINDINGS – Attach site map showing samp							
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	within a Wetland? Yes X No No If yes, optional Wetland Site ID:						
	ii yes, optional wetiand site ib.						
Remarks: (Explain alternative procedures here or in a separate report.)							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) X Water-Stained Leaves (B	X Drainage Patterns (B10)						
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	C1) Crayfish Burrows (C8)						
Sediment Deposits (B2) Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4) Recent Iron Reduction in	Tilled Soils (C6) Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	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 X No Depth (inches):							
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available:						
Remarks:							

ree Stratum (Plot size: 30')	Absolute	Dominant	Indicator	
	% Cover	Species?	Status	Dominance Test worksheet:
Pinus strobus	10	Yes	FACU	Number of Dominant Species
Acer rubrum	25	Yes	FAC	That Are OBL, FACW, or FAC: 5(A)
Ulmus americana	10	Yes	FACW	Total Number of Dominant
				Species Across All Strata: 8 (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 62.5% (A/E
				Prevalence Index worksheet:
	45	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')				OBL species x 1 =
Cornus amomum	15	Yes	FACW	FACW species x 2 =
Lonicera tatarica	5	No	FACU	FAC species x 3 =
Rhamnus cathartica	10	Yes	FAC	FACU species x 4 =
				UPL species x 5 =
				Column Totals: (A) (E
		·		Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
<u> </u>				3 - Prevalence Index is ≤3.0 ¹
Alliaria petiolata	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporti
Lysimachia nummularia	10	Yes	FACW	data in Remarks or on a separate sheet)
Lysimacina nanimalana	10	103	TAOW	Problematic Hydrophytic Vegetation ¹ (Explain)
				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 heigh
D				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
	20	=Total Cover		of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size: 15')		-		Woody vines – All woody vines greater than 3.28 ft
Parthenocissus quinquefolia	5	Yes	FACU	height.
				Hydrophytic
				Vegetation Present? Yes X No
	5	=Total Cover		100 <u>X</u> 100
·				

		o the de				ator or co	onfirm the absence o	f indicators.)	
Depth	Matrix	0/		K Featur		1 2	Taratrusa	Demonto	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks	
0-6	7.5YR 4/2	100					Loamy/Clayey		
6-14	10YR 3/1	95	7.5YR 5/6	5	С	M	Loamy/Clayey	Prominent redox concentrations	
								_	
								_	
¹ Type: C=Ce	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, N	1S=Mas	ked San	d Grains.	² Location: P	L=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators for	or Problematic Hydric Soils ³ :	
Histosol			Polyvalue Belo		ce (S8) (LRR R,		ick (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									
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L)					Polyvalue Below Surface (S8) (LRR K, L)				
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Park Surface (A44) Loamy Clayed Matrix (F2)					Thin Dark Surface (S9) (LRR K, L)				
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3)					Iron-Manganese Masses (F12) (LRR K, L, R)				
	· · ·				-6)			nt Floodplain Soils (F19) (MLRA 149B)	
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)			X Redox Dark Surface (F6) Depleted Dark Surface (F7)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
Sandy Redox (S5)			Redox Depressions (F8)				Red Parent Material (F21) Very Shallow Dark Surface (F22)		
Stripped Matrix (S6)			Marl (F10) (LRR K, L)				Other (Explain in Remarks)		
Dark Surface (S7)				, –,				,	
	()								
³ Indicators o	f hydrophytic vegetati	on and w	vetland hydrology mu	ıst be pr	esent, ui	nless dist	urbed or problematic.		
	Layer (if observed):								
Type:									
Depth (ii	nches):						Hydric Soil Prese	nt? Yes X No	
Remarks:									
This data for								CS Field Indicators of Hydric Soils,	
	2015 Errata. (http://w					S/nrcs14	2p2_051293.docx)		
No soil test p	oit possible due to sol	id substr	ate of cobble and dre	edge ma	iterial.				

Project/Site: CHPE - Package 3 - North of Northline - MP 157.4	City/County: Saratoga Sampling Date: 10/20/22				
Applicant/Owner: CHPE	State: NY Sampling Point: GP3-W_UP				
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa				
Landform (hillside, terrace, etc.): Outwash Plains Local	relief (concave, convex, none): Convex Slope %: 0				
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,15',22.25"N	Long: 73°,50',14.30"W Datum:				
Soil Map Unit Name: Deerfield Loamy Sand	NWI classification: None				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation , Soil , or Hydrology significantly disturb					
Are Vegetation, Soil, or Hydrology naturally problems					
 -					
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No _X_	Is the Sampled Area				
Hydric Soil Present? Yes No X	within a Wetland? Yes No X				
Wetland Hydrology Present? Yes No _X	If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.)					
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (E					
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 (
<u> </u>	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Reduced Iro	<u> </u>				
Algal Mat or Crust (B4) Recent Iron Reduction ir					
Iron Deposits (B5) Thin Muck Surface (C7)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in 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	vious inspections), if available:				
Remarks:					

Tree Stratum (Plot size: 30' % Cover Species? 1. Pinus strobus 15 Yes 2. Tsuga canadensis 10 Yes 3. Acer saccharum 10 Yes 4. Fraxinus americana 10 Yes 5. — — 6. — — 7. — — 2 Lonicar Stratum (Plot size: 15' 3. Rhamnus cathartica 5 Yes 4. — — 5. — — 6. — — 7. — — 4. — — 5. — — 6. — — 7. — — 4. — — 5. — — 6. — — 7. — — 8. — — 9. — — <th>Status Dominance Test worksheet: FACU Number of Dominant Species That Are OBL, FACW, or FAC: 3 (FACU Total Number of Dominant Species Across All Strata: 11 (Percent of Dominant Species That Are OBL, FACW, or FAC: 27.3% (Prevalence Index worksheet: Multiply by: OBL species x 1 = FACW FACW species x 2 = FACU FAC species x 3 = FAC FACU species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supp</th>	Status Dominance Test worksheet: FACU Number of Dominant Species That Are OBL, FACW, or FAC: 3 (FACU Total Number of Dominant Species Across All Strata: 11 (Percent of Dominant Species That Are OBL, FACW, or FAC: 27.3% (Prevalence Index worksheet: Multiply by: OBL species x 1 = FACW FACW species x 2 = FACU FAC species x 3 = FAC FACU species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supp
2. Tsuga canadensis 10 Yes 3. Acer saccharum 10 Yes 4. Fraxinus americana 10 Yes 5. 6. 7. 45 =Total Cover Sapling/Shrub Stratum (Plot size: 15') 10 Yes 2. Lonicera tatarica 10 Yes 3. Rhamnus cathartica 5 Yes 4. 5. 6. 7. 25 =Total Cover Herb Stratum (Plot size: 5') 1 1. Alliaria petiolata 10 Yes 3. 4. 5 5. 6. 7. 8. 9. 10. 11. 11. 12.	FACU FACU Total Number of Dominant Species That Are OBL, FACW, or FAC: 3 (Total Number of Dominant Species Across All Strata: 11 (Percent of Dominant Species That Are OBL, FACW, or FAC: 27.3% (Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 = FACW FACW species x 2 = FACU FAC species x 3 = FAC FACU species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% FACU 3 - Prevalence Index is ≤3.0¹
3. Acer saccharum 10 Yes 4. Fraxinus americana 10 Yes 5. 6. 7	Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: 27.3% (Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species FACW FACW species FACU FAC species FAC FACU species FAC UPL species Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% FACU Total Number of Dominant 11 (A) Prevalence Index = S/A = Hydrophytic Vegetation 2 - Dominance Test is >50% A - Prevalence Index is ≤3.0¹
4. Fraxinus americana 10 Yes 5. 6. 7. 45 =Total Cover Sapling/Shrub Stratum (Plot size:	FACU FACU Percent of Dominant Species That Are OBL, FACW, or FAC: 27.3% (Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 = FACW FACW species x 2 = FACU FAC species x 3 = FAC FACU species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% FACU Species Across All Strata: 11 (1) Prevalence Index is ≤3.0¹
5.	Percent of Dominant Species That Are OBL, FACW, or FAC: 27.3% (Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 = FACW FACW species x 2 = FACU FAC species x 3 = FAC IPL species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% FACU SPECIES STAND
6.	That Are OBL, FACW, or FAC: 27.3% (Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 = FACW FACW species x 2 = FAC Jack Species x 4 = UPL species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% A - Prevalence Index is ≤3.0¹
A5	Total % Cover of: Multiply by: OBL species x 1 = FACW FACW species x 2 = FACU FAC species x 3 = FAC FACU species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
Sapling/Shrub Stratum (Plot size:	OBL species
1. Cornus amomum 10 Yes 2. Lonicera tatarica 10 Yes 3. Rhamnus cathartica 5 Yes 4.	FACW FACW species x 2 = FACU FAC species x 3 = FAC FACU species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
2. Lonicera tatarica 10 Yes 3. Rhamnus cathartica 5 Yes 4.	FACU FAC species x 3 = FAC FACU species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% FACU 3 - Prevalence Index is ≤3.0¹
3. Rhamnus cathartica 5 Yes 4.	FAC FACU species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
4.	UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
5. 6.	Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
6.	Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
7	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
7	1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% FACU 3 - Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5')	2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
1. Alliaria petiolata 10 Yes 2. Dryopteris intermedia 5 Yes 3. 5. 6. 7. 8. 9. 10. 11. 12.	A - Prevalence Index is ≤3.0 ¹
2. Dryopteris intermedia 5 Yes 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	
3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	FAC 4 - Morphological Adaptations (Provide supp
4. 5. 6. 7. 8. 9. 10. 11. 12.	, 0 h (
4.	data in Remarks or on a separate sheet)
6.	Problematic Hydrophytic Vegetation ¹ (Explain
7	¹ Indicators of hydric soil and wetland hydrology m
8. 9. 10. 11. 12.	be present, unless disturbed or problematic.
9	Definitions of Vegetation Strata:
10	Tree – Woody plants 3 in. (7.6 cm) or more in
11	diameter at breast height (DBH), regardless of he
12.	Sapling/shrub – Woody plants less than 3 in. DB and greater than or equal to 3.28 ft (1 m) tall.
	 Herb – All herbaceous (non-woody) plants, regard 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
1. Rubus occidentalis 5 Yes	
2. Parthenocissus quinquefolia 5 Yes	UPL height.
3.	FACU
4.	FACU Hydrophytic
10 =Total Cover	FACU Hydrophytic Vegetation
Remarks: (Include photo numbers here or on a separate sheet.)	FACU Hydrophytic Vegetation

Sampling Point: GP3-W_UP

SOIL Sampling Point GP3-W_UP

		the dep				tor or co	onfirm the absence of inc	licators.)
Depth (inches)	Matrix	%		x Featur	es Type ¹	Loc ²	Toyturo	Pomorko
(inches)	Color (moist)	70	Color (moist)	%	Туре	LOC	Texture	Remarks
0-12	10YR 4/2	100					Loamy/Clayey	
								_
¹Type: C=Co	ncentration, D=Deple	tion RM:	=Reduced Matrix N	/S=Mas	ked Sand	d Grains	² l ocation: PI =P	ore Lining, M=Matrix.
Hydric Soil I	•	7.1011, 1 (11)	Ttoddood Matrix, II	no mao	nou ounc	oranio.		roblematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		A10) (LRR K, L, MLRA 149B)
	ipedon (A2)	•	MLRA 149B		(- / (,		e Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa	•	(LRR R	, MLRA 1		Peat or Peat (S3) (LRR K, L, R)
Hydrogei	n Sulfide (A4)	-	High Chroma S	Sands (S	311) (LR F	R K, L)	Polyvalue Be	elow Surface (S8) (LRR K, L)
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L)				R K, L)	Thin Dark Surface (S9) (LRR K, L)			
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2)				Iron-Manganese Masses (F12) (LRR K, L, R)				
Thick Dark Surface (A12) Depleted Matrix (F3)				Piedmont Floodplain Soils (F19) (MLRA 149B)				
Sandy Mucky Mineral (S1) Redox Dark Surf			urface (F	6)		Mesic Spodi	c (TA6) (MLRA 144A, 145, 149B)	
			Depleted Dark	Surface	(F7)		Red Parent I	Material (F21)
Sandy Redox (S5)			Redox Depressions (F8)					v Dark Surface (F22)
Stripped Matrix (S6)			Marl (F10) (LR	Marl (F10) (LRR K, L)			Other (Expla	iin in Remarks)
Dark Sur	face (S7)							
31	h		- Al I be endered					
	hydrophytic vegetatio	on and we	atiand nydrology mu	ust be pr	esent, ur	ness dist	urbed or problematic.	
Type:	ayer (if observed):							
-								
Depth (in	ches):						Hydric Soil Present?	Yes No _X
Version 7.0, 2	n is revised from Nort 2015 Errata. (http://wv it possible due to solid	ww.nrcs.u	ısda.gov/Internet/FS	SE_DOC	CUMENT			ield Indicators of Hydric Soils,

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 Spa/Saratoga Sampling Date: 01/09/2023
Applicant/Owner: TDI	State: NY Sampling Point: Wet P3-M
Investigator(s): C. Scrivner & J. Greaves	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression	Local relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43.02137	
Soil Map Unit Name: ChC: Chenango silt loam, loamy substratum,	
	
Are climatic / hydrologic conditions on the site typical for this time of	
Are Vegetation, Soil, or Hydrologysignificant	
Are Vegetation, Soil, or Hydrologynaturally p	oroblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	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 P3-M-7
Remarks: (Explain alternative procedures here or in a separate rep	
Shallow emergent marsh.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	<u>Surface Soil Cracks (B6)</u>
X Surface Water (A1) Water-Stained L	eaves (B9) X Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (E	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide	e Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2)Oxidized Rhizos	pheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)Presence of Rec	duced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)Recent Iron Red	luction in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5)Thin Muck Surfa	ce (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain ir	n Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):1
Water Table Present? Yes X No Depth (inches): 10
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 pho	otos, previous inspections), if available:
Remarks:	
Nemans.	

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:6(B)
5				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 <u>45</u> x 1 = <u>45</u>
1. Rhamnus cathartica	15	Yes	FAC	FACW species 35 x 2 = 70
2. Cornus sericea	10	Yes	FACW	FAC species 45 x 3 = 135
3.				FACU species 0 x 4 = 0
4		. <u></u>		UPL species 0 x 5 = 0
5.				Column Totals: 125 (A) 250 (B)
6.				Prevalence Index = B/A = 2.00
7.				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Juncus tenuis	30	Yes	FAC	X 3 - Prevalence Index is ≤3.0 ¹
2. Solidago gigantea	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Juncus effusus	25	Yes	OBL	data in Remarks or on a separate sheet)
4. Typha angustifolia	20	Yes	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				<u> </u>
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2				
3				Hydrophytic Vegetation
4.		· -		Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)	<u> </u>		
` '	,			

Sampling Point:

Wet P3-M

SOIL Sampling Point: Wet P3-M

Profile Desc Depth	ription: (Describe to Matrix	o tne de _l		nent th : Featur		tor or co	nfirm the absence of i	indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	3
0-16	N 3/	85	2.5Y 5/2	5	С	М	Loamy/Clayey	Distinct re	dox conc	centrations
			2.5Y 6/6	10	С	М		Prominent i	redox cor	ncentrations
			2.01 0/0					1 TOTHINGTIC	COOK COI	locitiations
							 -			
										
		etion, RM	I=Reduced Matrix, MS	S=Masł	ked Sand	Grains.		L=Pore Lining,		
Hydric Soil I			David O. 116-1-116	\				or Problematic	•	
Histosol			Dark Surface (S	,	oo (S9) (I	I DD D		ck (A10) (LRR		
Black His	ipedon (A2)		MLRA 149B)		CE (30) (I	LKK K,		airie Redox (A cky Peat or Pe		
	n Sulfide (A4)		Thin Dark Surfa		(LRR R	. MLRA 1		e Below Surfac		
	Layers (A5)		High Chroma S					k Surface (S9)		
	Below Dark Surface	(A11)	Loamy Mucky M					nganese Masse		
	rk Surface (A12)	, ,	Loamy Gleyed I			,		_		(MLRA 149B)
Mesic Sp	oodic (A17)		Depleted Matrix	(F3)			Red Pare	ent Material (F2	21) (outs	side MLRA 145)
(MLR	A 144A, 145, 149B)		X Redox Dark Su	rface (F	6)		Very Shallow Dark Surface (F22)			.)
	ucky Mineral (S1)		Depleted Dark S				Other (E	xplain in Rema	rks)	
	leyed Matrix (S4)		X Redox Depress		8)		3			
	edox (S5)		Marl (F10) (LRF	. ,			³ Indicators of hydrophytic vegetation and			
Stripped	Matrix (S6)		Red Parent Mat	terial (F	21) (ML F	RA 145)	wetland hydrology must be present, unless disturbed or problematic.			
Postriotivo I	.ayer (if observed):						unless	disturbed or p	roblemat	IC.
Type:	.ayer (ii observed).									
-	-h) .						Ukadaia Cail Dasasa	V-	- V	Na
Depth (in							Hydric Soil Presen	it? Ye	s X	No
Remarks:										



Wetland P3-M - View facing northwest



Wetland P3-M - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	City/County: Ballston Spa/Saratoga Sampling Date: 01/09/2023
Applicant/Owner: TDI	State: NY Sampling Point: Upl P3-M
Investigator(s): C. Scrivner & J. Greaves	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, convex, none): Convex Slope %: 5
Subregion (LRR or MLRA): LRR R Lat: 43.0212	
Soil Map Unit Name: ChC: Chenango silt loam, loamy substratur	
	
Are climatic / hydrologic conditions on the site typical for this time of	
Are Vegetation, Soil, or Hydrology significa	
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 No >	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No >	
Remarks: (Explain alternative procedures here or in a separate re	
Successional shrubland.	aport.)
Successional singularia.	
LIVERSIA	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that app	
Surface Water (A1) Water-Stained	
High Water Table (A2) Aquatic Fauna	
Saturation (A3) Marl Deposits	· · · · · · · · · · · · · · · · · · ·
Water Marks (B1) Hydrogen Sulf	_
	ospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
	educed Iron (C4) Stunted or Stressed Plants (D1)
	eduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5)Thin Muck Sur	<u> </u>
Inundation Visible on Aerial Imagery (B7)Other (Explain	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
	inches):
	(inches):
<u> </u>	(inches): Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial pl	notos, previous inspections), ir available:
Remarks:	
Remarks.	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Pinus strobus	10	Yes	FACU	Number of Dominant Species
2. Pinus sylvestris	10	Yes	UPL	That Are OBL, FACW, or FAC:1 (A)
3. 4.				Total Number of Dominant Species Across All Strata:4 (B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7.				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Juniperus communis	70	Yes	FACU	FACW species 0 x 2 = 0
2. Pinus strobus	5	No	FACU	FAC species 60 x 3 = 180
3.				FACU species 95 x 4 = 380
4		<u> </u>		UPL species 20 x 5 = 100
5				Column Totals: (A) (B)
6.				Prevalence Index = B/A = 3.77
7.				Hydrophytic Vegetation Indicators:
	75	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Juncus tenuis	60	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Solidago nemoralis	10	No	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Symphyotrichum ericoides	10	No	FACU	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must be
6.				present, unless disturbed or problematic.
7.		· · · · · · · · · · · · · · · · · · ·		Definitions of Vegetation Strata:
8.			(<u> </u>	Tree Meady plants 2 in (7.6 cm) or mars in diameter
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	80	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2		-		- 3
2				Hydrophytic
4.				Vegetation Present? Yes No X
·		=Total Cover		Tresent: Tes NoX_
		= rotal Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			

Sampling Point:

Upl P3-M

SOIL Sampling Point: Upl P3-M

Profile Descri	ption: (Describe to Matrix	the dep		ment the		or or co	nfirm the absence of i	ndicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-16	N 4/	70	10YR 4/2	30	C	М	Loamy/Clayey	Distinct redox concentrations		
			·							
¹ Type: C=Cor	centration, D=Deple	tion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		_=Pore Lining, M=Matrix.		
Hydric Soil In								r Problematic Hydric Soils ³ :		
Histosol (/	•		Dark Surface (S		(00) (ck (A10) (LRR K, L, MLRA 149B)		
Black Hist	pedon (A2)		Polyvalue Below MLRA 149B)		ce (58) (I	LKK K,		airie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R)		
	Sulfide (A4)		Thin Dark Surfa		(LRR R	. MLRA 1		e Below Surface (S8) (LRR K, L)		
	_ayers (A5)		High Chroma S					k Surface (S9) (LRR K, L)		
	Below Dark Surface	(A11)	Loamy Mucky N					ganese Masses (F12) (LRR K, L, R)		
Thick Dar	k Surface (A12)		X Loamy Gleyed	Matrix (F	- 2)		Piedmon	t Floodplain Soils (F19) (MLRA 149B)		
Mesic Spo	odic (A17)		Depleted Matrix				Red Pare	ent Material (F21) (outside MLRA 145)		
•	144A, 145, 149B)		Redox Dark Su	•	•			llow Dark Surface (F22)		
	cky Mineral (S1)		Depleted Dark		` '		Other (Ex	xplain in Remarks)		
Sandy Gle	eyed Matrix (S4)		Redox Depress Marl (F10) (LRI		3)		³ Indicator	rs of hydrophytic vegetation and		
Stripped N	` ,		Red Parent Ma	. ,	21) (MLF	RA 145)	wetland hydrology must be present,			
	Matrix (00)		Rod r drone wa	torial (i z			unless disturbed or problematic.			
Restrictive La	yer (if observed):							·		
Type:	Rock	(
Depth (inc	hes):	16					Hydric Soil Presen	t? Yes X No		
Remarks:										



Upland P3-M - View facing west/southwest



Upland P3-M - Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Package 3 - South of Northline - MP 157.6	City/County: Saratoga Sampling Date: 10/20/22					
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-V_WET					
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa					
Landform (hillside, terrace, etc.): Terraces Local	relief (concave, convex, none): Convex Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,15',15.30"N	Long: 73°,50',17.80"W Datum:					
Soil Map Unit Name: Chenango Silt Loam	NWI classification: 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 Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes X No					
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.)						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) X Water-Stained Leaves (E						
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 Parkers of Reduced by the Company of Parkers of Pa						
Drift Deposits (B3) — Presence of Reduced Iro	<u> </u>					
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No X Depth (inches):						
Water Table Present? Yes No X Depth (inches):						
Saturation Present? Yes X No Depth (inches):						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Demonitor						
Remarks:						

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Pinus strobus	10	Yes	FACU	
2. Acer rubrum	25	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)
3. Juniperus virginiana	10	Yes	FACU	
Ulmus americana	10	Yes	FACW	Total Number of Dominant Species Across All Strata: 11 (B)
5.			17.00	
6				Percent of Dominant Species That Are OBL, FACW, or FAC: 72.7% (A/B)
7				Prevalence Index worksheet:
	 55	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		-		OBL species x 1 =
1. Cornus amomum	15	Yes	FACW	FACW species x 2 =
Lonicera tatarica	5	Yes	FACU	FAC species x 3 =
3. Cornus racemosa	5	Yes	FAC	FACU species x 4 =
4. Viburnum lentago	5	Yes	FAC	UPL species x 5 =
5.				Column Totals: (A) (B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-		X 2 - Dominance Test is >50%
1. Lythrum salicaria	10	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
Juncus effusus	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Lysimachia nummularia	5	No	FACW	data in Remarks or on a separate sheet)
4. Epilobium coloratum	10	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5	·			¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	35	=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.
2.				Hydrophytic
3.				Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: G-P3-V_WET

Depth (inches)	Matrix	•		x Featur		101 01 001	nfirm the absence o	· maioatoro.,
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 4/2	100			-71		Mucky Sand	
8-14	10YR 3/1	95	10YR 4/6	5	С		Mucky Sand	Prominent redox concentrations
0-14	101103/1		1011(4/0				Wideky Salid	1 Torninerit redox concentrations
					' <u></u>			
1Tunor C=Co	naantration D-Dani	etion DM	-Daduard Matrix N		Lod Con		² l costion. F	L=Pore Lining, M=Matrix.
Hydric Soil Ir	ncentration, D=Depl	etion, Rivi	=Reduced Matrix, N	/IS=IVIAS	ked Sand	Grains.		or Problematic Hydric Soils ³ :
Histosol (Polyvalue Belo	w Surfa	ce (S8) (I	LRR R.		uck (A10) (LRR K, L, MLRA 149B)
	pedon (A2)	•	MLRA 149B		00 (00) (.			rairie Redox (A16) (LRR K, L, R)
Black Hist			Thin Dark Surf	•	(LRR R	, MLRA 14		ucky Peat or Peat (S3) (LRR K, L, R)
Hydrogen	Sulfide (A4)		High Chroma S	Sands (S	311) (LR F	R K, L)	Polyvalu	ue Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR I	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Ma	nganese Masses (F12) (LRR K, L, R)
	k Surface (A12)		Depleted Matri					nt Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		•			podic (TA6) (MLRA 144A, 145, 149B)
Sandy Gie	eyed Matrix (S4)		Depleted Dark					ent Material (F21) allow Dark Surface (F22)
	Matrix (S6)	,	Redox Depres Marl (F10) (LR		0)			Explain in Remarks)
	ace (S7)	•	Warr (1 10) (E10	, - /				Explain in Comandy
Dark Surf	(/							
Dark Surf								
	hydrophytic vegetati	on and we	etland hydrology mi	ust be pr	esent, ur	nless distu	rbed or problematic.	
³ Indicators of	hydrophytic vegetati	on and we	etland hydrology mu	ust be pr	esent, ur	nless distu	rbed or problematic.	
³ Indicators of		on and w	etland hydrology mu	ust be pr	esent, ur	nless distu	rbed or problematic.	
³ Indicators of Restrictive La	ayer (if observed):	on and we	etland hydrology mu	ust be pr	esent, ur	nless distu	rbed or problematic. Hydric Soil Prese	nt? Yes_X_No
³ Indicators of Restrictive La	ayer (if observed):	on and w	etland hydrology mi	ust be pr	esent, ur	nless distu		nt? Yes <u>X</u> No
³ Indicators of Restrictive La Type: Depth (ind Remarks: This data form	ayer (if observed): ches): n is revised from Noi	rthcentral	and Northeast Reg	ional Su	pplement	: Version 2	Hydric Soil Prese	nt? Yes X No
³ Indicators of Restrictive La Type: Depth (index Remarks: This data form Version 7.0, 2	ches): n is revised from Nor 2015 Errata. (http://w	thcentral ww.nrcs.u	and Northeast Reg	ional Su SE_DOC	pplement	: Version 2	Hydric Soil Prese	
³ Indicators of Restrictive La Type: Depth (index Remarks: This data form Version 7.0, 2	ayer (if observed): ches): n is revised from Noi	thcentral ww.nrcs.u	and Northeast Reg	ional Su SE_DOC	pplement	: Version 2	Hydric Soil Prese	
³ Indicators of Restrictive La Type: Depth (index Remarks: This data form Version 7.0, 2	ches): n is revised from Nor 2015 Errata. (http://w	thcentral ww.nrcs.u	and Northeast Reg	ional Su SE_DOC	pplement	: Version 2	Hydric Soil Prese	
³ Indicators of Restrictive La Type: Depth (index Remarks: This data form Version 7.0, 2	ches): n is revised from Nor 2015 Errata. (http://w	thcentral ww.nrcs.u	and Northeast Reg	ional Su SE_DOC	pplement	: Version 2	Hydric Soil Prese	
³ Indicators of Restrictive La Type: Depth (index Remarks: This data form Version 7.0, 2	ches): n is revised from Nor 2015 Errata. (http://w	thcentral ww.nrcs.u	and Northeast Reg	ional Su SE_DOC	pplement	: Version 2	Hydric Soil Prese	
³ Indicators of Restrictive La Type: Depth (index Remarks: This data form Version 7.0, 2	ches): n is revised from Nor 2015 Errata. (http://w	thcentral ww.nrcs.u	and Northeast Reg	ional Su SE_DOC	pplement	: Version 2	Hydric Soil Prese	
³ Indicators of Restrictive La Type: Depth (index Remarks: This data form Version 7.0, 2	ches): n is revised from Nor 2015 Errata. (http://w	thcentral ww.nrcs.u	and Northeast Reg	ional Su SE_DOC	pplement	: Version 2	Hydric Soil Prese	
³ Indicators of Restrictive La Type: Depth (index Remarks: This data form Version 7.0, 2	ches): n is revised from Nor 2015 Errata. (http://w	thcentral ww.nrcs.u	and Northeast Reg	ional Su SE_DOC	pplement	: Version 2	Hydric Soil Prese	
³ Indicators of Restrictive La Type: Depth (index Remarks: This data form Version 7.0, 2	ches): n is revised from Nor 2015 Errata. (http://w	thcentral ww.nrcs.u	and Northeast Reg	ional Su SE_DOC	pplement	: Version 2	Hydric Soil Prese	
³ Indicators of Restrictive La Type: Depth (ind Remarks: This data form Version 7.0, 2	ches): n is revised from Nor 2015 Errata. (http://w	thcentral ww.nrcs.u	and Northeast Reg	ional Su SE_DOC	pplement	: Version 2	Hydric Soil Prese	
³ Indicators of Restrictive La Type: Depth (index Remarks: This data form Version 7.0, 2	ches): n is revised from Nor 2015 Errata. (http://w	thcentral ww.nrcs.u	and Northeast Reg	ional Su SE_DOC	pplement	: Version 2	Hydric Soil Prese	

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Package 3 - South of Northline MP 157.5	City/County: Saratoga Sampling Date: 10/20/22				
Applicant/Owner: CHPE	State: NY Sampling Point: GP3-V_UP				
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa				
Landform (hillside, terrace, etc.): Terraces Local r	relief (concave, convex, none): Convex Slope %: 0				
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,15',15.30"N	Long: 73°,50',17.80.55"W Datum:				
Soil Map Unit Name: Chenango Silt Loam	NWI classification: None				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation , Soil , or Hydrology significantly disturb					
					
Are Vegetation, Soil, or Hydrologynaturally problema					
SUMMARY OF FINDINGS – Attach site map showing samp	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.)					
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (E					
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1)					
Sediment Deposits (B2) Oxidized Rhizospheres of					
Drift Deposits (B3) Presence of Reduced Iro	——————————————————————————————————————				
Algal Mat or Crust (B4) Recent Iron Reduction in	<u> </u>				
Iron Deposits (B5) Thin Muck Surface (C7)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
<u> </u>					
	Wetland Hydrology Present? Yes No _X				
(includes capillary fringe)	vieus inspections) if availables				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available.				
Remarks:					
Tromano.					

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30') 1. Pinus strobus	20	Species?	Status FACU	Dominance Test worksneet:
Acer saccharum	20	Yes Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 10 (B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B)
7.				Prevalence Index worksheet:
	40	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 =
1. Juniperus virginiana	15	Yes	FACU	FACW species x 2 =
2. Lonicera tatarica	5	Yes	FACU	FAC species x 3 =
3. Cornus amomum	5	Yes	FACW	FACU species x 4 =
4.				UPL species x 5 =
5.				Column Totals: (A) (B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%
1. Centaurea stoebe	10	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
Solidago canadensis	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
Alliaria petiolata	10	Yes	FACU	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter 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
	30	=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 scandens	5	Yes	FACU	height.
2. Toxicodendron radicans	5	Yes	FAC	
3				Hydrophytic Vegetation
4.				Present?
	10	=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: GP3-V_UP

SOIL Sampling Point GP3-V_UP

		o the de				itor or co	onfirm the absence of ind	icators.)
Depth	Matrix	0/		x Featur		1 2	Tarduna	Damanka
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-4	7.5YR 4/2	100					Loamy/Clayey	
4-14	5YR 4/3	100						
¹ Type: C=Co	ncentration, D=Deple	etion. RM	I=Reduced Matrix. N	 ∕/S=Mas	ked Sand	Grains.	² Location: PL=Po	ore Lining, M=Matrix.
Hydric Soil II	•		•					roblematic Hydric Soils ³ :
Histosol (A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck (A	A10) (LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)		MLRA 149B	3)			Coast Prairie	Redox (A16) (LRR K, L, R)
Black His	tic (A3)		Thin Dark Surf				149B)5 cm Mucky	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)		ırface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			ese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri		-6)			oodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1) eyed Matrix (S4)		Redox Dark Su Depleted Dark					c (TA6) (MLRA 144A, 145, 149B) Material (F21)
	edox (S5)		Redox Depress					Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		-,			in in Remarks)
Dark Surf				, ,				,
³ Indicators of	hydrophytic vegetati	on and w	etland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Present?	Yes No _X
	n is revised from Nor 2015 Errata. (http://w		_					ield Indicators of Hydric Soils,
No soil test pi	t possible due to soli	d substra	ite of cobble and dre	edge ma	iterial.			

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 Spa/Saratoga Sampling Date: 01/11/2023
Applicant/Owner: TDI	State: NY Sampling Point: Wet P3-N
Investigator(s): C. Scrivner & J. Greaves	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression	Local relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43.01	
Soil Map Unit Name: Lm: Limerick-Saco complex	NWI classification: PFO1
Are climatic / hydrologic conditions on the site typical for this tim	· · ·
Are Vegetation, Soil, or Hydrologysignifi	_
Are Vegetation, Soil, or Hydrologynatura	ally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	wing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near flag P3-N-1
Remarks: (Explain alternative procedures here or in a separate	
Red maple hardwood swamp.	; report.)
red maple hardwood swamp.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that a	
Surface Water (A1) X Water-Stain Agustia Four	<u>—</u>
High Water Table (A2) ——Aquatic Fau ——Marl Deposit	<u>—</u>
Saturation (A3)Marl Deposi	
	ulfide Odor (C1) Crayfish Burrows (C8)
	izospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Reduced Iron (C4) Stunted or Stressed Plants (D1)
	Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck S	
	ain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	A I AC-Neutral Test (DS)
	oth (inches)
	oth (inches): oth (inches):
	oth (inches): 0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	Wedand Hydrology Fleschi: Tes X NO
Describe Recorded Data (stream gauge, monitoring well, aeria	nhotos previous inspections) if available:
2000/100 Proportion Pala (officially gauge, monitoring won, acria	protes, provide inopositorio), il available.
Remarks:	
Tromano.	

EGETATION – Use scientific names of p								
ree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
. Fraxinus pennsylvanica	40	Yes	FACW	Number of Dominant Species				
. Acer rubrum	35	Yes	FAC	That Are OBL, FACW, or FAC:6(A				
. Ulmus americana	20	Yes	FACW	Total Number of Dominant				
<u></u>				Species Across All Strata: 7 (E				
				Percent of Dominant Species				
				That Are OBL, FACW, or FAC: 85.7% (A				
				Prevalence Index worksheet:				
	95	=Total Cover		Total % Cover of: Multiply by:				
apling/Shrub Stratum (Plot size: 15')	•		OBL species 10 x 1 = 10				
. Ulmus americana	20	Yes	FACW	FACW species 121 x 2 = 242				
. Berberis thunbergii	10	Yes	FACU	FAC species 40 x 3 = 120				
. Fraxinus pennsylvanica	5	No	FACW	FACU species 10 x 4 = 40				
. Acer rubrum	5	No	FAC	UPL species 0 x 5 = 0				
				Column Totals: 181 (A) 412				
				Prevalence Index = B/A = 2.28				
·				Hydrophytic Vegetation Indicators:				
·	40	=Total Cover						
lerb Stratum (Plot size: 5')		- Total Cover		1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50%				
· · · · · · · · · · · · · · · · · · ·	25	Voo						
. Osmundastrum cinnamomeum	25	Yes	FACW	X 3 - Prevalence Index is ≤3.0¹				
Carex lurida	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
Onoclea sensibilis	8	No No	FACW	Droblemetic Lludrophutic Vesctotics 1 (Funcia)				
. Solidago gigantea	3	<u>No</u>	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)				
i i.				¹ Indicators of hydric soil and wetland hydrology mu present, unless disturbed or problematic.				
•				Definitions of Vegetation Strata:				
	. <u> </u>			Tree – Woody plants 3 in. (7.6 cm) or more in diam				
				at breast height (DBH), regardless of height.				
0				Sapling/shrub – Woody plants less than 3 in. DBH				
1				and greater than or equal to 3.28 ft (1 m) tall.				
2.				Harb All borbossous (non woods) plants regarded				
	46	=Total Cover		Herb – All herbaceous (non-woody) plants, regardl 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 f height.				
<u></u>								
·				Hydrophytic				
				Vegetation Present? Yes X No				
·		=Total Cover		100 <u>X</u> 100 <u>X</u>				
		= Fotal Cover						

SOIL Sampling Point: Wet P3-N

		o the dep				or or co	nfirm the absence of i	indicators.)		
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	es Type ¹	Loc ²	Texture	Remarks		
0-6	10YR 2/1	100	Color (moist)		Турс		Loamy/Clayey	Nomano		
6-14	10YR 3/1	90	10YR 4/2	5	С	<u>M</u>	Loamy/Clayey	Faint redox concentration	ions	
			10YR 4/4	5	С	M		Distinct redox concentra	ations	
14-18	10YR 4/1	70	10YR 4/6	20	С	M	Sandy	Prominent redox concent	rations	
			10YR 5/3	10	С	M		Distinct redox concentra	ations	
¹ Type: C=Co	ncentration, D=Depl	etion, RM:	=Reduced Matrix, M	S=Mask	ked Sand	Grains.	² Location: Pl	L=Pore Lining, M=Matrix.		
Hydric Soil II							Indicators fo	or Problematic Hydric Soils	3.	
Histosol ((A1)		Dark Surface (S	37)			2 cm Mu	ck (A10) (LRR K, L, MLRA 1	49B)	
Histic Ep	ipedon (A2)		Polyvalue Belov	w Surfac	ce (S8) (I	LRR R,	Coast Pr	rairie Redox (A16) (LRR K, L	., R)	
Black His	` ,		MLRA 149B)					cky Peat or Peat (S3) (LRR I	-	
	n Sulfide (A4)		Thin Dark Surfa							
	Layers (A5)		High Chroma S				Thin Dark Surface (S9) (LRR K, L)			
	Below Dark Surface	(A11)	Loamy Mucky N			R K, L)	Iron-Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12)		Loamy Gleyed I		F2)		Piedmont Floodplain Soils (F19) (MLRA 149B)			
	odic (A17)		Depleted Matrix		.0)		Red Parent Material (F21) (outside MLRA 145)			
-	A 144A, 145, 149B)		X Redox Dark Su				Very Shallow Dark Surface (F22) Other (Explain in Remarks)			
	ucky Mineral (S1) eyed Matrix (S4)		Depleted Dark S Redox Depress				Other (Explain in Remarks)			
	edox (S5)	•	Marl (F10) (LRI		5)		³ Indicators of hydrophytic vegetation and			
	Matrix (S6)	,	Red Parent Ma		21) (MI F	2Δ 145)	wetland hydrology must be present,			
	Wattix (OO)	•	Red Falcin Ma	torial (i	21) (IIILI	(A 140)	unless disturbed or problematic.			
Restrictive L	ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Presen	nt? Yes X No	·	
Remarks:										



Wetland P3-N - View facing south



Wetland P3-N - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	City/County: Ballston Spa/Saratoga Sampling Date: 01/11/2023
Applicant/Owner: TDI	State: NY Sampling Point: UPL P3-N
Investigator(s): C. Scrivner & J. Greaves	Section, Township, Range:
	relief (concave, convex, none): Convex Slope %: 5
Subregion (LRR or MLRA): LRR R Lat: 43.01861°N	Long: -73.83888°W Datum: WGS84
Soil Map Unit Name: Lm: Limerick-Saco complex	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problema	
SUMMARY OF FINDINGS – Attach site map showing samp	oling 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.) 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 Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B	39) 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 (0	C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres o	
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)Recent Iron Reduction in	
Iron Deposits (B5)Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remark	
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, prev	rious inspections), if available:
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Quercus rubra	30	Yes	FACU				
Populus deltoides	20	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)			
3. Acer saccharum	15	No	FACU				
4. Acer rubrum	10	No	FAC	Total Number of Dominant Species Across All Strata: 7 (B)			
5. Prunus serotina	10	No	FACU	Demonstrat Demonstrat Constitution			
6. Fraxinus pennsylvanica	5	No	FACW	Percent of Dominant Species That Are OBL, FACW, or FAC: 14.3% (A/B)			
7. Carya ovata	5	No	FACU	Prevalence Index worksheet:			
	95	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:15')				OBL species 0 x 1 = 0			
1. Acer saccharum	10	Yes	FACU	FACW species 5 x 2 = 10			
2. Prunus serotina	5	Yes	FACU	FAC species 30 x 3 = 90			
3. Carya ovata	5	Yes	FACU	FACU species 95 x 4 = 380			
4.				UPL species 0 x 5 = 0			
5.				Column Totals: 130 (A) 480 (B)			
6.				Prevalence Index = B/A = 3.69			
7.				Hydrophytic Vegetation Indicators:			
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%			
Polystichum acrostichoides	10	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹			
2.				4 - Morphological Adaptations ¹ (Provide supporting			
3.				data in Remarks or on a separate sheet)			
4.				Problematic Hydrophytic Vegetation ¹ (Explain)			
5		·		¹ Indicators of hydric soil and wetland hydrology must 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			
	10	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in			
1. Vitis aestivalis	5	Yes	FACU	height.			
2.							
3.				Hydrophytic Vegetation			
4				Present? Yes No X			
	5	=Total Cover					
Remarks: (Include photo numbers here or on a separa	ate sheet.)						

Sampling Point:

UPL P3-N

SOIL Sampling Point: UPL P3-N

Depth	Matrix	o tne ae	ptn needed		ment the x Feature		tor or co	nfirm the absence o	rindicato	ors.)	
(inches)	Color (moist)	%	Color (r		%	Type ¹	Loc ²	Texture		Remar	ks
0-6	10YR 3/3	100						Loamy/Clayey			
6 10	10VP 2/2	-00	10VP	6/9	10				Dron	ninent redevi	oncontrations
6-12	10YR 3/2	90	10YR	6/8	10	<u>C</u>	<u>M</u>	Sandy	Pror	ninent redox d	concentrations
									-		
							<u> </u>				
1 _{T.max} C. Ca	ncentration, D=Deple	tion DA	4 Dadwaad	Motrix M			Craina	2l acation	DI Doro	Lining M Ma	
Hydric Soil I		euon, Ki	/I=Reduced	Matrix, M	S=IVIASK	eu Sand	Grains.			Lining, M=Ma lematic Hydri	
Histosol			Dark S	Surface (S7)) (LRR K, L, N	
	ipedon (A2)			alue Belo		ce (S8) (LRR R,			dox (A16) (LF	
Black His				RA 149B)							(LRR K, L, R)
Hydroger	n Sulfide (A4)		Thin [Dark Surfa	ace (S9)	(LRR R	, MLRA 1	49B) Polyval	ue Below	Surface (S8)	(LRR K, L)
Stratified	Stratified Layers (A5) High (Chroma Sands (S11) (LRR K, L)				Thin Da	ark Surfac	ce (S9) (LRR I	K, L)	
	Below Dark Surface	(A11)		amy Mucky Mineral (F1) (LRR K, L)					-) (LRR K, L, R)
	rk Surface (A12)			y Gleyed		F2)		Piedmont Floodplain Soils (F19) (MLRA 149B) Red Parent Material (F21) (outside MLRA 145)			
	oodic (A17)			eted Matrix (F3) x Dark Surface (F6)							
•	A 144A, 145, 149B)									rk Surface (F2	22)
	ucky Mineral (S1) leyed Matrix (S4)			ted Dark x Depress		` '		Other (Explain if	n Remarks)	
	edox (S5)			F10) (LR I		<i>)</i>		³ Indicators of hydrophytic vegetation and			
	Matrix (S6)			Parent Ma		21) (ML I	RA 145)	wetland hydrology must be present,			
<u> </u>	, ,				,	, ,		unless disturbed or problematic.			
Restrictive L	.ayer (if observed):										
Type:	Rock/R	oots									
Depth (in	ches):	12						Hydric Soil Prese	ent?	Yes	No X
Remarks:								1			



Upland P3-N - View facing west



Upland P3-N - Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 3	City/County: <u>Ballst</u>	on Spa	Sampling Date: 12/13/2021
Applicant/Owner: <u>CHA</u>		State: <u>NY</u>	Sampling Point: 12 13 A-6
Investigator(s): Nick Dominic, Justn Williams	Section, Township.	, Range: <u>Rallston Spa</u>	
Landform (hillslope, terrace, etc.):	Local relief (concave,	convex, none):	Slope (%):
Subregion (LRR or MLRA): LRR R Lat: _	43.01726	Long: <u>-73.83971</u>	Datum: NAD83
Soil Map Unit Name:		NWI class	ification: PFM
Are climatic / hydrologic conditions on the site typical for	this time of year? Yes <u>X</u> N	lo 🔲 (If no, explain in	ı Remarks.)
Are Vegetation NO , Soil NO , or Hydrology NO	significantly disturbed? /	\re "Normal Circumstances	s" present? Yes 🔲 No 🔲
Are Vegetation NO , Soil NO , or Hydrology NO		If needed, explain any ansv	
SUMMARY OF FINDINGS – Attach site ma	ap showing sampling poir	nt locations, transec	ts, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Wes X	No Within a We		<u> </u>
Remarks: (Explain alternative procedures here or in a Wetland 12.13 A	separate героп.)		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Ind	icators (minimum of two required)
Primary Indicators (minimum of one is required; check			oil Cracks (B6)
	Nater-Stained Leaves (B9)	_	Patterns (B10)
	Aquatic Fauna (B13) Marl Deposits (B15)	_	n Lines (B16) on Water Table (C2)
	Hydrogen Sulfide Odor (C1)		Burrows (C8)
1 	Oxidized Rhizospheres on Living F		Visible on Aerial Imagery (C9)
	Presence of Reduced Iron (C4)	Stunted or	r Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	ils (C6) 🔲 Geomorph	nic Position (D2)
	Thin Muck Surface (C7)	-	quitard (D3)
	Other (Explain in Remarks)	- ' '	graphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		<u></u> FAC-Neutı	ral Test (D5)
Field Observations: Surface Water Present? Yes No No No No No No No N	Depth (inches): 1		
	Depth (inches): 4		
	Depth (inches): 2	Wetland Hydrology Pres	sent? Yes 🗵 No 🗌
(includes capillary fringe)	, , , , , ,		
Describe Recorded Data (stream gauge, monitoring we	ell, aerial photos, previous inspect	ions), if available:	
Remarks:			

/EGETATION – Use scientific names of plants.				Sar	mpling Point: <u>12.13 A</u>	<u>v-6</u>
<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	t Indicator Status	Dominance Test workshee	t:	
1	·	_		Number of Dominant Species That Are OBL, FACW, or FA		(Δ)
2				, ,	<u> </u>	(, ()
3				Total Number of Dominant Species Across All Strata:		(B)
4				•		()
5				Percent of Dominant Species That Are OBL, FACW, or FA		(A/B)
6				Prevalence Index workshee		
7				Total % Cover of:		
45		= Total Co	ver	OBL species		
Sapling/Shrub Stratum (Plot size: 15)		_	. –	FACW species FAC species		
1. <u>Cornus sericea</u>		=	=	FACU species		
2			Ĭ _ ▼	UPL species		
3		-		Column Totals:		
4						- 、 /
5				Prevalence Index = B/.	A =	
6				Hydrophytic Vegetation Inc		
7		_		1 - Rapid Test for Hydro		
		= Total Co	ver	2 - Dominance Test is >		
Herb Stratum (Plot size: 5)				3 - Prevalence Index is		
1. <u>Carex spp.</u>	50	YES ▼	. FACW ▼	4 - Morphological Adapta data in Remarks or o		orting
2. Phragmites australis	60	YES ▼	FACW ▼	Problematic Hydrophytic	: Vegetation¹ (Explair	n)
3] _	¹ Indicators of hydric soil and		านst
4			. T	be present, unless disturbed	or problematic.	
5				Definitions of Vegetation S	trata:	
6		-	<u>-</u>	Tree – Woody plants 3 in. (7	.6 cm) or more in dia	meter
7		_=		at breast height (DBH), rega	rdless of height.	
8				Sapling/shrub – Woody plai		3H
9				and greater than or equal to	3.28 ft (1 m) tall.	
10		_		Herb – All herbaceous (non-wo		s of
11	· · · · · · · · · · · · · · · · · · ·			size, and woody plants less than	1 3.28 ft tall.	
12.				Woody vines – All woody vine	s greater than 3.28 ft in	a
12		= Total Co		height.		
Wasada Miras Obrahama (Dlataina) 20		– Total Co	vei			
Woody Vine Stratum (Plot size: 30)			. —			
1			} <u></u>	Hydrophytic		
2				Vegetation _n	∑ N- □	
3		-		Present? Yes <u>l</u>	<u>⊠</u> No ∐	
4		-				
		= Total Co	ver			
Remarks: (Include photo numbers here or on a separate	sheet.)					

SOIL Sampling Point: 12.13 A-6

Profile Desc	ription: (Describe	to the de	oth needed to docu	ment the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			ox Feature:		0		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0-16	10yr/3/2	90	10yr/4/6	10		<u>-</u> ▼	SaLo	Prominent
					. 🔻	i. —		
		· 						-
					-	-		
-					-			
					-	-		
·		· 			-			
								-
					-	-		
	_							
-								
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, M	S=Masked	Sand Gra	ains.	² Location	n: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surface	(S8) (LRF	RR,	2 cm N	Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B	,				Prairie Redox (A16) (LRR K, L, R)
Black His	' '		Thin Dark Surf					Mucky Peat or Peat (S3) (LRR K, L, R)
_ ` `	n Sulfide (A4)		Loamy Mucky			, L)		Surface (S7) (LRR K, L, M)
_	l Layers (A5) I Below Dark Surface	- (Δ11)	Loamy Gleyed Depleted Matri		.)			alue Below Surface (S8) (LRR K, L) Park Surface (S9) (LRR K, L)
_	rk Surface (A12)	5 (ATT)	Redox Dark Su				_	langanese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Depleted Dark					ont Floodplain Soils (F19) (MLRA 149B)
Sandy G	leyed Matrix (S4)		Redox Depres	sions (F8)	•		Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)							arent Material (F21)
	Matrix (S6)						_	Shallow Dark Surface (TF12)
<u> </u>	face (S7) (LRR R, N	ILRA 149	В)				<u></u> Other	(Explain in Remarks)
3Indicators of	hydrophytic yogotat	ion and w	etland hydrology mu	et ha proce	ant unloce	disturbed	or problematic	2
	ayer (if observed):		eliana nyarology ma	at be prese	ont, unicoo	distarbed	Probleman	J.
Type:	ayor (ii oboorrou).							
	ches):		•				Hydric Soil	Present? Yes 🗵 No 🔲
Remarks:			-				Tryunc oon	Tresent: Tes No
Remarks.								



Wetland A- View facing Northwest



Wetland A- Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 3	City/County: Ballston Spa Sampling Date: 12/13/2021
Applicant/Owner: CHA	State: NY Sampling Point: 12.13 A-7 Uplanc
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
	relief (concave, convex, none): Slope %:
	Long: -73.83907 Datum:
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly 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:
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 (i i i i i i i i i i i i i i i i i i i
Sediment Deposits (B2) Oxidized Rhizospheres Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction in This Music Surface (C7)	
Iron Deposits (B5) Thin Muck Surface (C7) Other (Figure in Property (B7))	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
? Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Describe Necorded Data (stream gauge, monitoring well, aerial priotos, pre	svious inspections), il available.
Remarks: Upland to WL 12.13 A-7	

	ndicator Paris Tark was labor 1
, <u>, , , , , , , , , , , , , , , , , , </u>	Status Dominance Test worksheet:
	FACU Number of Dominant Species
2. Carya ovata 20 Yes	FACU That Are OBL, FACW, or FAC: 0 (A)
3. Pinus strobus 40 Yes	FACU Total Number of Dominant
4	Species Across All Strata: 4 (B)
5	Percent of Dominant Species
6	That Are OBL, FACW, or FAC: 0.0% (A/B)
7	Prevalence Index worksheet:
90=Total Cover	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)	OBL species0 x 1 =0
1. Rhamus sp 15 Yes	FACU FACW species 0 x 2 = 0
2.	FAC species 0 x 3 = 0
3.	FACU species 105 x 4 = 420
4.	UPL species 0 x 5 = 0
5.	Column Totals: 105 (A) 420 (B)
	Prevalence Index = B/A = 4.00
7.	Hydrophytic Vegetation Indicators:
15 =Total Cover	1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤3.0 ¹
	4 - Morphological Adaptations ¹ (Provide supporting
	data in Remarks or on a separate sheet)
3	Problematic Hydrophytic Vegetation ¹ (Explain)
	
6	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.	Definitions of Vegetation Strata:
8.	Trace Manda plants 2 in 77 C and an mana in
9.	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.	
11.	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.	Haub All barbassaus (non weeds) plants regardless
=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:)	Manday days All was divided a greater than 2 20 ft in
1	Woody vines – All woody vines greater than 3.28 ft in height.
2.	
2	Hydrophytic
4.	Vegetation Present? Yes No X
=Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)	
	I

Sampling Point: 2.13 A-7 Uplan

		to the de				itor or co	onfirm the absence of i	indicators.)
Depth	Matrix	0/		x Featur		1 - 2	T 4	D
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-16	10yr 4/2						Loamy/Clayey	
				· <u></u>				
-								_
					·			
-								
								_
								_
1 _{Type: C=C}	oncentration, D=Dep	lotion DN	4-Paduaad Matrix N		kad San	Croins	² l continu	=Pore Lining, M=Matrix.
Hydric Soil I		ielion, Kiv	I-Reduced Matrix, I	/IO-IVIAS	keu Sand	d Grains.		Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	oo (S8) (I	DD D		k (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		CE (36) (I	LKK K,		irie Redox (A16) (LRR K, L, R)
				•	/I DD D	MIDA		
Black His	n Sulfide (A4)		Thin Dark Surf High Chroma S		-			ky Peat or Peat (S3) (LRR K, L, R)
								Below Surface (S8) (LRR K, L)
	Layers (A5)	. (Δ11)	Loamy Mucky			K K, L)		Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			anese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri		-0)			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		-			odic (TA6) (MLRA 144A, 145, 149B)
	eleyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5)		Redox Depress	•	0)			ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	KK,L)			Other (Exp	olain in Remarks)
Dark Sur	face (S7)							
3Indicators of	f bydrophytic yogotot	ion and u	otland hydrology mi	ist ha ni	rocent ur	aloog digt	urbad or problematic	
			retiand hydrology mi	ust be pi	esent, ui	iless dist	urbed or problematic.	
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present	? Yes No_X_
Remarks:								
								S 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 A - View facing south



Upland A - Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 3	City/County: <u>Balls</u>	ton Spa	Sampling Date: <u>12/13/2021</u>
Applicant/Owner: <u>CHA</u>		State: <u>NY</u>	Sampling Point: 12 13 B-2
Investigator(s): Nick Dominic, Justn Williams	Section, Township	, Range: <u>Ballston Spa</u>	
Landform (hillslope, terrace, etc.):	Local relief (concave,	convex, none):	Slope (%):
Subregion (LRR or MLRA): LRRR La	ıt: <u>43.01584</u>	Long: <u>-73.83914</u>	Datum: NAD83
Soil Map Unit Name:		NWI classi	fication: PFO
Are climatic / hydrologic conditions on the site typical	for this time of year? Yes 🔲 1	No (If no, explain in	Remarks.)
Are Vegetation NO , Soil NO ▼, or Hydrology NO	significantly disturbed?	Are "Normal Circumstances'	present? Yes 🗵 No 🔲
Are Vegetation NO , Soil NO , or Hydrology NC	naturally problematic?	(If needed, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site I	map showing sampling poi	nt locations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative procedures here or in Wetland 12.13 B	No within a W If yes, optic		<u> </u>
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; che Surface Water (A1)	ck all that apply)	Surface So	cators (minimum of two required) pil Cracks (B6) Patterns (B10)
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)	Aquatic Fauna (B13) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)	Moss Trim Dry-Season Crayfish Bu Roots (C3) Saturation Stunted or Geomorphi Shallow Ag	Lines (B16) n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4)
Field Observations:			
Surface Water Present? Yes No Water Table Present? Yes No No	Depth (inches): 6 Depth (inches): 3		
Saturation Present? Yes X No C	Depth (inches): 0	Wetland Hydrology Pres	ent? Yes 🗵 No 🗌
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring	, , ,		
Describe Recorded Data (stream gauge, monitoring	well, aeriai priotos, previous inspec	lions), ii avaliable.	
Remarks:			

			Sampling Point: <u>12.13 B-2</u>			
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Indicator Species? Status	Dominance Test worksheet:			
1Acer rubrum	50	YES ▼ FAC ▼	Number of Dominant Species That Are OBL, FACW, or FAC: (A)			
2 · Populus deltoides	30	YES ▼ FAC ▼	1			
3		<u> </u>	Total Number of Dominant Species Across All Strata:(B)			
l			Percent of Dominant Species			
5			That Are OBL, FACW, or FAC: (A/B)			
3			<u> </u>			
7			· · · · · · · · · · · · · · · · · · ·			
		= Total Cover				
Sapling/Shrub Stratum (Plot size: 15)	-	_ rotal dovel	FACW species x 2 =			
			FAC species x 3 =			
I		_ = =	FACU species x 4 =			
2			UPL species x 5 =			
3			Column Totals: (A) (B)			
4			Provalence Index = B/A =			
5						
6		<u>-</u> <u>-</u>				
7		<u>-</u>	1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%			
		= Total Cover	3 - Prevalence Index is ≤3.0 ¹			
Herb Stratum (Plot size: 5)			_ _ 4 - Morphological Adaptations¹ (Provide supporting			
1. <u>Carex spp.</u>						
2. <u>Onoclea sensibilis</u>			☐ Problematic Hydrophytic Vegetation¹ (Explain)			
3		= =	he present unless disturbed or problematic			
4						
5		- -	Definitions of Vegetation Strata:			
6			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
7		<u>-</u> -				
8		- -	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
9		<u>-</u> <u>-</u>				
10		<u>-</u> <u>-</u>	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
11		<u> </u>	Washing Allowed wines and then 2 29 ft in			
12		<u>-</u> -	Woody vines – All woody vines greater than 3.28 ft in height.			
	-	= Total Cover				
Woody Vine Stratum (Plot size:30)						
			1			
1			Hydrophytic Vegetation			
			· · veneration			
2			Present? Yes 🗵 No			
1			Present? Yes No			
2			Present? Yes 🗵 No 🗌			

SOIL Sampling Point: 12.13 B-2

Profile Desc	ription: (Describe	to the de	pth needed to docu	ment the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			ox Feature:		2		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0-16	10yr/3/1	90	10yr/4/6	10	<u>-</u> ▼	<u>-</u> ▼	SaLo	Prominent
					. 🔻	i. —		
]		
			-					
					-	-		
						-		
					_	-		
			-		-			
					-	-		
¹ Type: C=Co	oncentration, D=Dep	letion, RM	l=Reduced Matrix, M	S=Masked	Sand Gra	ains.	² Location	n: PL=Pore Lining, M=Matrix.
Hydric Soil I			,					for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surface	(S8) (LRF	RR,	☐ 2 cm N	Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149E	,				Prairie Redox (A16) (LRR K, L, R)
Black His	' '		Thin Dark Surf					Mucky Peat or Peat (S3) (LRR K, L, R)
_ ` `	n Sulfide (A4)		Loamy Mucky			, L)		Surface (S7) (LRR K, L, M)
_	Layers (A5)	(0.4.4)	Loamy Gleyed		!)			alue Below Surface (S8) (LRR K, L)
_	l Below Dark Surface irk Surface (A12)	e (A11)	Depleted Matri Redox Dark St				_	Park Surface (S9) (LRR K, L)
_	lucky Mineral (S1)		Depleted Dark					langanese Masses (F12) (LRR K, L, R) ont Floodplain Soils (F19) (MLRA 149B)
_	leyed Matrix (S4)		Redox Depres	•	',		_	Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)			()				arent Material (F21)
	Matrix (S6)							Shallow Dark Surface (TF12)
Dark Sur	face (S7) (LRR R, M	ILRA 149	B)				U Other	(Explain in Remarks)
3								
			etland hydrology mu	st be prese	ent, unless	disturbed	or problemation	<u> </u>
	ayer (if observed):							
Type:			-					
	ches):		=				Hydric Soil	Present? Yes 🗵 No 🔲
Remarks:								



Wetland B - View facing southwest



Wetland B - Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 3	City/County: Ballston Spa Sampling Date: 12/13/2021
Applicant/Owner: CHA	State: NY Sampling Point: 12.13 B-3 Uplanc
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.):	relief (concave, convex, none): Slope %:
-	Long: -73.83894 Datum:
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly 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:
Remarks: (Explain alternative procedures here or in a separate report.)	-
Upland to WL 12.13 B-3	
HYDROLOGY	
	On any long light of the Control of
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (High Water Table (A2) Aquatic Fauna (B13)	(B9) Drainage Patterns (B10) Moss Trim Lines (B16)
Saturation (A3) Aquatic Faulia (B13) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Sediment Deposits (B2) Oxidized Rhizospheres	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Presence of Reduced In	<u> </u>
Algal Mat or Crust (B4) Recent Iron Reduction in	<u> </u>
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remai	
? Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	TAG-Notalial Test (BS)
	1.
Surface Water Present? Yes No X Depth (inches) Water Table Present? Yes No X Depth (inches)	
Saturation Present? Yes No X Depth (inches)	
(includes capillary fringe)	Wettalid Hydrology Fresent: Tes NoX
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	L evious inspections), if available:
gauge, memoring nem proces, pro	
Remarks:	

<u>Free Stratum</u> (Plot size:)	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:		
. Quercus rubra	30	Species? Yes	Status FACU	Dominance Test Worksheet:		
-		No	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A		
	40					
. Pinus strobus	40	Yes	FACU	Total Number of Dominant Species Across All Strata: 3 (B)		
				Species Across All Strata: 3 (B)		
				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B		
·	_			That Are OBL, FACW, or FAC: 0.0% (A/B) Prevalence Index worksheet:		
• •		=Total Cover				
apling/Shrub Stratum (Plot size:		- Total Cover				
Lonicera	_ ⁾ 10	Yes	FACU	OBL species 0 x 1 = 0 FACW species 0 x 2 = 0		
		165	FACU			
·						
				FACU species 95 x 4 = 380		
				UPL species 0 x 5 = 0		
				Column Totals: 95 (A) 380 (B		
-	_			Prevalence Index = B/A = 4.00		
· .		Hydrophytic Vegetation Indic				
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
erb Stratum (Plot size:)				2 - Dominance Test is >50%		
				3 - Prevalence Index is ≤3.0 ¹		
·				4 - Morphological Adaptations ¹ (Provide supportin data in Remarks or on a separate sheet)		
·				Problematic Hydrophytic Vegetation ¹ (Explain)		
i				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
				Definitions of Vegetation Strata:		
				Tree Woody plants 2 in (7.6 cm) or more in		
				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
0.						
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
	_					
				Hards All banks as a confusion was also belongs to a small as		
		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
2.		=Total Cover		of size, and woody plants less than 3.28 ft tall.		
2. Voody Vine Stratum (Plot size:	_)	=Total Cover		Woody vines – All woody vines greater than 3.28 ft in		
2	_)	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
2	_)	=Total Cover		of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic		
·	_)	=Total Cover		of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.		

		to the de				itor or co	onfirm the absence of i	indicators.)
Depth	Matrix	0/		x Featur		1 - 2	T 4	D
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-16	10yr 4/2						Loamy/Clayey	
								_
¹ Type: C=Cd	oncentration, D=Depl	etion RM	I=Reduced Matrix N	AS=Mas	ked Sand	d Grains	² l ocation: Pl =	=Pore Lining, M=Matrix.
Hydric Soil		etion, ixiv	i-Reduced Matrix, N	/IO-IVIAS	Keu Gan	J Grains.		Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RR R		k (A10) (LRR K, L, MLRA 149B)
	vipedon (A2)		MLRA 149B		ce (50) (i	LIXIX IX,		irie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf	•	(I PP P	MI DA 1		ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	l Below Dark Surface	. (Λ11)	Loamy Gleyed			₹ (₹, ∟)		anese Masses (F12) (LRR K, L, R)
	irk Surface (A12)	(A11)			F2)			
	lucky Mineral (S1)		Depleted Matri Redox Dark Su		·6)			Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)		Depleted Dark		-			odic (TA6) (MLRA 144A, 145, 149B) nt Material (F21)
	edox (S5)		Redox Depress					ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	,	0)			plain in Remarks)
	` '		IVIAII (I*10) (LK	K K, L)			Other (Exp	Dialit iii iveitiaiks)
Dark Sui	face (S7)							
³ Indicators of	hydrophytic yogotat	ion and w	votland hydrology mi	ist ha ni	rocont ur	aloce diet	urbed or problematic.	
	_ayer (if observed):		etiana nyarology mi	ast be pi	esent, ui	iless dist	urbed or problematic.	
Type:	-ayer (ii observeu).							
-								
Depth (ir	nches):						Hydric Soil Present	? Yes No_X_
Remarks:								
								S 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 B - View facing west



Upland B - Soils

SITE PHOTOGRAPHS

Project/Site: CHPE Package 3	City/County: <u>Balls</u>	ton Spa	Sampling Date: 12/13/2021					
Applicant/Owner: <u>CHA</u>		State: <u>NY</u>	Sampling Point: 12 13 C-1					
Investigator(s): Nick Dominic, Justn Williams	Section, Township, Range: <u>Ballston Spa</u>							
Landform (hillslope, terrace, etc.):	Local relief (concave,	convex, none):	Slope (%):					
Subregion (LRR or MLRA): LRR R	Lat: <u>43.01486</u>	Long: <u>-73.83911</u>	Datum: NAD83					
Soil Map Unit Name:		NWI classi	fication: PFO					
Are climatic / hydrologic conditions on the site typi	cal for this time of year? Yes N	No (If no, explain in	Remarks.)					
Are Vegetation NO , Soil NO , or Hydrology	NO significantly disturbed?	Are "Normal Circumstances	present? Yes 🗵 No 🔲					
Are Vegetation NO , Soil NO , or Hydrology	NO naturally problematic?	(If needed, explain any ansv	vers in Remarks.)					
SUMMARY OF FINDINGS – Attach sit	te map showing sampling poi	nt locations, transec	ts, important features, etc.					
Hydrophytic Vegetation Present? Yes	No Within a Wo		<u> </u>					
HYDROLOGY Wetland Hydrology Indicators:		Secondary Indi	cators (minimum of two required)					
Primary Indicators (minimum of one is required;	check all that apply)		oil Cracks (B6)					
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage F	Patterns (B10)					
High Water Table (A2)	Aquatic Fauna (B13)	_	Lines (B16)					
X Saturation (A3)	Marl Deposits (B15)		n Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		urrows (C8)					
Sediment Deposits (B2) Drift Deposits (B3)	Oxidized Rhizospheres on Living F Presence of Reduced Iron (C4)	` ' 	Visible on Aerial Imagery (C9) Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So		ic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)		quitard (D3)					
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	=	graphic Relief (D4)					
Sparsely Vegetated Concave Surface (B8)		☐ FAC-Neutr	al Test (D5)					
Field Observations:								
Surface Water Present? Yes X No	Depth (inches): 2							
Water Table Present? Yes X No	Depth (inches): 8		🖂 🗆					
Saturation Present? Yes X No _ (includes capillary fringe)	Depth (inches): 6	Wetland Hydrology Pres	ent? Yes 🔼 No 📙					
Describe Recorded Data (stream gauge, monitor	ring well, aerial photos, previous inspec	tions), if available:						
Remarks:								

Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:
That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 66 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 = FACW species x 2 = FAC species x 3 = FACU species x 4 = UPL species x 5 = Column Totals: (A) (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: X 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Y Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 66 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 = FACW species x 2 = FAC species x 3 = FACU species x 4 = UPL species x 5 = Column Totals: (A) (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: X 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 =
That Are OBL, FACW, or FAC:66
That Are OBL, FACW, or FAC:66
Total % Cover of: OBL species
Total % Cover of: OBL species
OBL species x 1 =
FACW species x 2 =
FAC species x 3 =
FACU species x 4 =
UPL species (A) (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
Column Totals:(A)(B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
Hydrophytic Vegetation Indicators:
1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must
data in Remarks or on a separate sheet) W Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must
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 vines – All woody vines greater than 3.28 ft in height.
neight.
Hydrophytic
── Vegetation Present? Yes ⊠ No ☐

SOIL Sampling Point: 12.13 C-1

Depth Martix Redox Features Calor (moist) 56. Calor (moist) 56. Calor (moist) 56. Type Loc² Texture Remarks	Profile Desc	ription: (Describe	to the de	oth needed to docu	ment the i	ndicator	or confirm	the absence	of indicators.)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. **Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators: **Indicators for Problematic Hydric Soils*: **Location: PL=Pore Lining, M=Matrix. **Location							0		
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. **Hydric Soil Indicators: Histicsos (At1)	<u>(inches)</u>	Color (moist)	%	Color (moist)	%	Type'	Loc ²	<u>Texture</u>	Remarks
Hydric Soil Indicators: Histosol (A1)	0-16	10yr/3/1	92	10yr/4/6	8	<u>-</u>	1 - ▼	SaLo	Prominent
Hydric Soil Indicators: Histosol (A1)							ī. —		
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)						-	-		
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)	·					-	-		
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)						_	-		
Hydric Soil Indicators: Histosol (A1)		_		-					
Hydric Soil Indicators: Histosol (A1)	-					-	-		
Hydric Soil Indicators: Histosol (A1)			· - <u></u>						
Hydric Soil Indicators: Histosol (A1)						_	_		
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)						-	-		
Hydric Soil Indicators: Histosol (A1)						-	-		
Hydric Soil Indicators: Histosol (A1)	¹Type: C=Co	ncentration, D=Dep	letion. RM	=Reduced Matrix. M	S=Masked	Sand G	ains.	² Location	n: PL=Pore Lining, M=Matrix.
Histic Epipedon (A2) Histic Epipedon (A2)				Troudoud manny					
Histic Epipedon (A2) Histic Epipedon (A2)	Histosol	(A1)		Polyvalue Belo	w Surface	(S8) (LR	R R.	☐ 2 cm N	Muck (A10) (LRR K, L, MLRA 149B)
Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) * **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.* **Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No Hydric Soil Present? Yes No **Indicators of Polyvalue Below Surface (S7) (LRR K, L, M) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S9) (LRR K, L, M) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, M) Polyvalue Below Surface (S9) (LRR K, L) House Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L) Iro						`	•	_	
Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Polyvalue Below Surface (S8) (LRR K, L) Print Dark Surface (S9) (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) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Cyery Shallow Dark Surface (TF12) Other (Explain in Remarks) Hydric Soil Present? Yes No	Black His	stic (A3)		Thin Dark Surfa	ace (S9) (I	RR R, M	LRA 149B) 🔲 5 cm N	Mucky Peat or Peat (S3) (LRR K, L, R)
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L, R) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L, R) Thin Dark Surface (S9) (LRR K, L, R) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	_ ` `	, ,					(, L)		
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox Depressions (F8) Redox Depressions (F8	_					()			
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No	_		e (A11)	_				_	
Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Type: Depth (inches): Hydric Soil Present? Yes No									
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No \(\textsqrt{1}\)	_				,	.7)		_	
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No \(\textsqrt{1}\)				Redox Depress	310113 (1 0)				
Dark Surface (S7) (LRR R, MLRA 149B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No \(\subseteq \)	=								
Restrictive Layer (if observed): Type:			ILRA 149	B)				_	, ,
Restrictive Layer (if observed): Type:									
Type:				etland hydrology mu	st be prese	ent, unles	s disturbed	or problemation	С.
Depth (inches): Hydric Soil Present? Yes X No	Restrictive L	.ayer (if observed):							
	Type:			•					_
Remarks:	Depth (inc	ches):		-				Hydric Soil	Present? Yes 🗵 No 🔲
	Remarks:							•	



Wetland C - View facing northeast



Wetland C - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

Project/Site: CHPE Package 3	City/County: Ballston Spa Sampling Date: 12/13/2021				
Applicant/Owner: CHA	State: NY Sampling Point: 12.13 C-2 Uplant				
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:				
• (,	relief (concave, convex, none): Slope %:				
	Long: -73.83926 Datum:				
	NWI classification:				
Soil Map Unit Name:					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrologysignificantly disturb					
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 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.)					
Upland to WL 12.13 C					
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (E					
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	· · · · · · · · · · · · · · · · · · ·				
Sediment Deposits (B2) Drift Deposits (B3) Oxidized Rhizospheres of 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)	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):					
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:				
Remarks:					

Yes Yes Yes Yes Yes Yes Yes	FACU FACU FACU	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species 4 (B) Prevalence Index worksheet: 0.0% (A/B) Prevalence Index worksheet: Multiply by: 0 OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 140 x 4 = 560 UPL species 0 x 5 = 0 Column Totals: 140 (A) 560 (B)		
Yes Yes Total Cover	FACU FACU	That Are OBL, FACW, or FAC: 0 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) Prevalence Index worksheet: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 140 x 4 = 560 UPL species 0 x 5 = 0		
Yes	FACU	Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 140 x 4 = 560 UPL species 0 x 5 = 0		
=Total Cover		Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 140 x 4 = 560 UPL species 0 x 5 = 0		
_	FACU	Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 140 x 4 = 560 UPL species 0 x 5 = 0		
_	FACU	That Are OBL, FACW, or FAC: 0.0% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 140 x 4 = 560 UPL species 0 x 5 = 0		
_	FACU	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 140 x 4 = 560 UPL species 0 x 5 = 0		
_	FACU	Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 140 x 4 = 560 UPL species 0 x 5 = 0		
_	FACU	OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 140 x 4 = 560 UPL species 0 x 5 = 0		
Yes	FACU	FACW species 0 x 2 = 0 FAC species 0 x 3 = 0 FACU species 140 x 4 = 560 UPL species 0 x 5 = 0		
		FAC species 0 x 3 = 0 FACU species 140 x 4 = 560 UPL species 0 x 5 = 0		
		FACU species 140 x 4 = 560 UPL species 0 x 5 = 0		
		UPL species 0 x 5 = 0		
		Prevalence Index = B/A = 4.00		
		Hydrophytic Vegetation Indicators:		
=Total Cover	-	1 - Rapid Test for Hydrophytic Vegetation		
_		2 - Dominance Test is >50%		
		3 - Prevalence Index is ≤3.0 ¹		
		4 - Morphological Adaptations ¹ (Provide supporting		
		data in Remarks or on a separate sheet)		
		Problematic Hydrophytic Vegetation ¹ (Explain)		
		¹ Indicators of hydric soil and wetland hydrology must		
		be present, unless disturbed or problematic.		
		Definitions of Vegetation Strata:		
	-	Tree – Woody plants 3 in. (7.6 cm) or more in		
	-	diameter at breast height (DBH), regardless of heig		
		Sapling/shrub – Woody plants less than 3 in. DBH		
		and greater than or equal to 3.28 ft (1 m) tall.		
-Tatal Caver	-	Herb – All herbaceous (non-woody) plants, regardless		
Total Cover		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 No X		
-Total Cayor		Present?		
	=Total Cover			

		to the de				itor or co	onfirm the absence of i	indicators.)
Depth	Matrix	0/		x Featur		1 - 2	T 4	Device and the
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-16	10yr 4/2						Loamy/Clayey	
				·				
-								_
					·			
-								
								_
								_
1 _{Type: C=C}	oncentration, D=Dep	lotion DN	4-Paduaad Matrix N		kad San	Croins	² l continu	=Pore Lining, M=Matrix.
Hydric Soil I		ielion, Kiv	I-Reduced Matrix, I	/IO-IVIAS	keu Sand	d Grains.		Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	oo (S8) (I	DD D		k (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		CE (36) (I	LKK K,		irie Redox (A16) (LRR K, L, R)
				•	/I DD D	MIDA		
Black His	n Sulfide (A4)		Thin Dark Surf High Chroma S		-			ky Peat or Peat (S3) (LRR K, L, R)
								Below Surface (S8) (LRR K, L)
	Layers (A5)	. (Δ11)	Loamy Mucky			K K, L)		Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			anese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri		-0)			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		-			odic (TA6) (MLRA 144A, 145, 149B)
	eleyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5)		Redox Depress	•	0)			ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	KK,L)			Other (Exp	olain in Remarks)
Dark Sur	face (S7)							
3Indicators of	f bydrophytic yogotot	ion and u	otland hydrology mi	ist ha ni	rocent ur	aloog digt	urbad or problematic	
			retiand hydrology mi	ust be pi	esent, ui	iless dist	urbed or problematic.	
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present	? Yes No_X_
Remarks:								
								S 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 - View facing south/southwest



Upland C - Soils

SITE PHOTOGRAPHS

Project/Site: CHPE - Package 3 - BS, dead end at Creek - MP 158.1	City/County: Saratoga Sampling Date: 11/22/22
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-BS_WET
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
Landform (hillside, terrace, etc.): Floodplains Local	relief (concave, convex, none): Sideslope Slope %: 5
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,05',49.25"N	Long: 73°,50',22.75"W Datum:
Soil Map Unit Name: Fluvaqvents	NWI classification: 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 Hydrology significantly disturb	
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.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leaves (I	B9) X Drainage Patterns (B10)
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 Reduced Inc.	
Drift Deposits (B3) Presence of Reduced Iro Algal Mat or Crust (B4) Recent Iron Reduction ir	
Iron Deposits (B5) Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	<u></u>
Surface Water Present? Yes X No Depth (inches):	: 2
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
	15	Yes	FACW	Dominance rest worksheet.
	15			Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)
2. Ulmus americana		Yes	FACW	That Are OBL, FACW, or FAC: 6 (A)
3. Populus deltoides4.	15	Yes	FAC	Total Number of Dominant Species Across All Strata: 7 (B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 85.7% (A/B)
7.			(<u> </u>	Prevalence Index worksheet:
	45	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species x 1 =
1. Cornus sericea	30	Yes	FACW	FACW species x 2 =
2. Lonicera tatarica	5	No	FACU	FAC species x 3 =
3. Rhamnus cathartica	5	No	FAC	FACU species x 4 =
4.				UPL species x 5 =
5.				Column Totals: (A) (B)
6			(<u> </u>	Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
1. Onoclea sensibilis	15	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
Matteuccia struthiopteris	15	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
Lysimachia nummularia	5	No	FACW	data in Remarks or on a separate sheet)
Reynoutria japonica	40		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	45	=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.
2.				Hydrophytic
3.				Vegetation
4.				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: G-P3-BS_WET

Profile Desc Depth	cription: (Describe t Matrix	o the de		ı ment th k Featur		ator or co	onfirm the absence o	f indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-6	7.5YR 2.5/2	100					Mucky Sand			
6-10	10YR 3/2	97	10YR 4/6	3	С	M	Sandy	Prominent redox concentrations		
10-14	10YR 4/2	95	10YR 4/6	5	С	M	Sandy	Prominent redox concentrations		
1										
	oncentration, D=Depl	etion, RM	1=Reduced Matrix, M	IS=Mas	ked Sand	d Grains.		L=Pore Lining, M=Matrix.		
Hydric Soil Histosol			Polyvalue Belov	w Surfa	ce (S8) (LRR R.		or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B)		
	pipedon (A2)		MLRA 149B)		00 (00) (,		rairie Redox (A16) (LRR K, L, R)		
Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR R										
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L)					Polyvalue Below Surface (S8) (LRR K, L)					
	d Layers (A5)		Loamy Mucky N			R K, L)		rk Surface (S9) (LRR K, L)		
	d Below Dark Surface	(A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
	Thick Dark Surface (A12) Depleted Matrix (F3)						Piedmont Floodplain Soils (F19) (MLRA 149B)			
	Mucky Mineral (S1)						? Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
X Sandy R	dy Gleyed Matrix (S4) Depleted Dark Surface (F7) dy Redox (S5) Redox Depressions (F8)					Red Parent Material (F21) Very Shallow Dark Surface (F22)				
	Matrix (S6)		Marl (F10) (LRI		0)		Other (Explain in Remarks)			
	rface (S7)			, -,			(_	,		
2										
	f hydrophytic vegetati Layer (if observed):		etland hydrology mu	st be pr	esent, ui	nless dist	urbed or problematic.			
Type:	Layer (ii observeu).									
Depth (ii	nches):						Hydric Soil Prese	nt? Yes X No		
Remarks:			<u></u>							
								CS Field Indicators of Hydric Soils,		
	2015 Errata. (http://w oit possible due to sol					S/nrcs14	2p2_051293.docx)			
140 3011 1031 1	on possible due to sol	ia sabstie	ate of cobbie and die	age ma	iteriai.					



Wetland G-P3-BS



Wetland G-P3-BS- Soils

SITE PHOTOGRAPHS

Project/Site: CHPE - Package 3 - BS, dead end at Creek - MP 158.1	City/County: Saratoga Sampling Date: 11/22/22
Applicant/Owner: CHPE	State: NY Sampling Point: G-P3-BS_UP
Investigator(s): KW, KS	Section, Township, Range: Ballston Spa
	relief (concave, convex, none): Concave Slope %: 5
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,05',49.25"N	Long: 73°,50',22.75"W Datum:
Soil Map Unit Name: Fluvaqvents	NWI classification: None
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:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (
High Water Table (A2) Aquatic Fauna (B13) Seturation (A2) Mark Deposits (B15)	Moss Trim Lines (B16) Dry-Season Water Table (C2)
Saturation (A3) — Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor	
Sediment Deposits (B2) Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction is	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remainder (B7)	<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)	
(includes capillary fringe)	: Wetland Hydrology Present? Yes No _X_
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections) if available:
Describe resorded Bata (stream gauge, monitoring well, derial photos, pre	Trodo mopodiono), il avallable.
Remarks:	

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer saccharum	20	Yes	FACU	Number of Dominant Species
2. Populus deltoides	15	Yes	FAC	That Are OBL, FACW, or FAC:1 (A)
3.				Total Number of Dominant
4.				Species Across All Strata: 6 (B)
5.				
				Percent of Dominant Species That Are OBL, FACW, or FAC: 16.7% (A/B)
7				Prevalence Index worksheet:
1.	35	=Total Cover		
0 15 (0) 1 0) 1 (5) 1	35	- Total Cover		
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1				FACW species x 2 =
2. Lonicera tatarica	25	Yes	FACU	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:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		Total Gover		2 - Dominance Test is >50%
· · · · · · · · · · · · · · · · · · ·	45	V	FAOU	
1. Solidago canadensis	15 	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Fragaria virginiana	5	No	FACU	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
3. Daucus carota	10	Yes	UPL	data in Nemarks of on a separate sheet)
4. Solidago altissima	15	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.		· ——		
				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.		<u> </u>		Herb – 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:15')				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet)	•		
Tromano. (moidas prote namboro noto er en a copar	ato 01100t.)			

Sampling Point: G-P3-BS_UP

SOIL Sampling Point G-P3-BS_UP

		o the de				tor or co	onfirm the absence of	indicators.)
Depth	Matrix	0/		x Featur		1 - 2	T	Damanda
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	10YR 4/3	100					Loamy/Clayey	Pebbly
					·			
								_
								_
¹ Type: C=C	oncentration, D=Depl	etion RN	=Reduced Matrix N	 AS=Mas	ked Sand	l Grains	² Location: PL	=Pore Lining, M=Matrix.
Hydric Soil	•	etion, ixiv	1-Iteduced Matrix, I	/IO-IVIAS	Keu Gand	Oranis.		r Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RR R		k (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		ce (50) (i	-IXIX IX,		nirie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf	•	(I DD D	MI DA 1		ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			Below Surface (S8) (LRR K, L)
	I Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	l Layers (A3) I Below Dark Surface	(//11)	Loamy Gleyed			、Κ, L)		ganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	: (A11)			Γ ∠)			
	lucky Mineral (S1)		Depleted Matri		·6)			Floodplain Soils (F19) (MLRA 149B)
	ileyed Matrix (S4)		Redox Dark Su Depleted Dark		-			odic (TA6) (MLRA 144A, 145, 149B) nt Material (F21)
	edox (S5)		Redox Depres					low Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		5)			plain in Remarks)
			IVIAIT (I*10) (LK	K K, L)			Other (Ex	piani ni Nemarks)
Dark Su	face (S7)							
³ Indicators of	f bydrophytic yogotati	ion and w	otland hydrology mi	iet ho pr	ocont ur	loce diet	urbed or problematic.	
	_ayer (if observed):	on and w	retiand hydrology mit	ast be pi	esent, ui	iless dist	urbed or problematic.	
Type:	Layer (ii observed).							
•								
Depth (ii	nches):						Hydric Soil Present	? Yes No <u>X</u>
Remarks:								
								S Field Indicators of Hydric Soils,
	2015 Errata. (http://w					S/nrcs142	2p2_051293.docx)	
No son test p	it possible due to sol	เด รนธรเก	ate of copple and dre	eage ma	iteriai.			



Upland G-P3-BS



Upland G-P3-BS- Soils

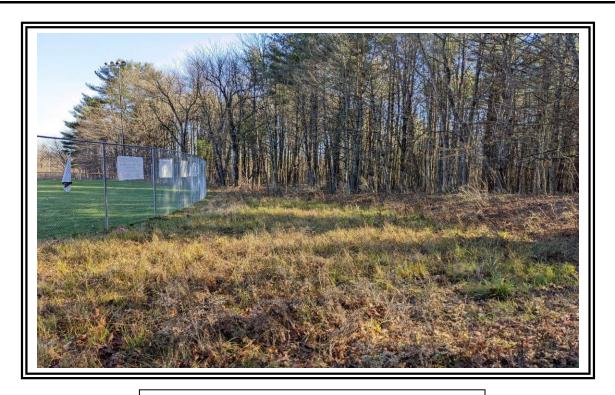
SITE PHOTOGRAPHS

Project/Site: CHPE Package 3	City/County: <u>Balls</u> t	ton Spa	Sampling Date: 12/13/2021
Applicant/Owner: CHA		State: <u>NY</u>	Sampling Point: 12 13 D-3
Investigator(s): Nick Dominic, Justn Williams	Section, Township.	, Range: <u>Rallston Spa</u>	
Landform (hillslope, terrace, etc.):	Local relief (concave,	convex, none):	Slope (%):
Subregion (LRR or MLRA): <u>LRR R</u> Lat:	43.00706	Long: <u>-73.83772</u>	Datum: NAD83
Soil Map Unit Name:		NWI class	ification: PFM
Are climatic / hydrologic conditions on the site typical for	or this time of year? Yes <u> </u>	lo 🔲 (If no, explain ir	ı Remarks.)
Are Vegetation NO , Soil NO ▼, or Hydrology NO	significantly disturbed?	Are "Normal Circumstances	s" present? Yes 🔲 No 🔲
Are Vegetation NO , Soil NO , or Hydrology NO		If needed, explain any ansv	
SUMMARY OF FINDINGS – Attach site m	nap showing sampling poin	nt locations, transec	ts, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Yes X	No within a We		<u>⊠</u> № □
Remarks: (Explain alternative procedures here or in Wetland 12.13 D	а зерагате героп.)		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Ind	licators (minimum of two required)
Primary Indicators (minimum of one is required; chec			oil Cracks (B6)
Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9)		Patterns (B10)
	Aquatic Fauna (B13) Marl Deposits (B15)	-	n Lines (B16) on Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living F		Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or	r Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	ils (C6)	nic Position (D2)
☐ Iron Deposits (B5) ☐	Thin Muck Surface (C7)	$\overline{}$	quitard (D3)
☐ Inundation Visible on Aerial Imagery (B7) ☐	Other (Explain in Remarks)		graphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		<u></u> FAC-Neuti	ral Test (D5)
Field Observations: Surface Water Present? Yes No 🗵	Depth (inches):		
Water Table Present? Yes No U	Depth (inches): 10		
Saturation Present? Yes X No \(\sigma\)	Depth (inches): 0	Wetland Hydrology Pres	sent? Yes 🗵 No 🗌
(includes capillary fringe)	, ,		
Describe Recorded Data (stream gauge, monitoring v	well, aerial photos, previous inspect	ions), if available:	
Remarks:			

/EGETATION – Use scientific names of plants.				Sam	npling Point: <u>12.13 D-3</u>	3
<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?		Dominance Test worksheet	:	
1			. 🔻	Number of Dominant Species That Are OBL, FACW, or FAC		Δ)
2				, ,) (F	^)
3				Total Number of Dominant Species Across All Strata:	(E	В)
				•	,	υ,
4				Percent of Dominant Species That Are OBL, FACW, or FAC		A/R)
5				111011111111111111111111111111111111111	, (,	, , ,
6				Prevalence Index workshee	t:	
7			-	Total % Cover of:	Multiply by:	
		= Total Cov	er er	OBL species		
Sapling/Shrub Stratum (Plot size: 15)				FACW species		
1				FAC species		
2				FACU species		
3		-		UPL species Column Totals:		
4			<u>-</u>	Column Totals.	(^)	(D)
5			<u>- </u>	Prevalence Index = B/A	<i>t</i> =	
6				Hydrophytic Vegetation Ind	icators:	
7				🗵 1 - Rapid Test for Hydrop	ohytic Vegetation	
		= Total Cov		2 - Dominance Test is >5	50%	
Herb Stratum (Plot size: 5)		- 10tai 00v		3 - Prevalence Index is ≤	3.0 ¹	
1. Solidago spp.	40	YES ▼	FAC ▼	4 - Morphological Adapta data in Remarks or or		orting
2. Juncus spp.	30	YES ▼	FACW 🔽	Problematic Hydrophytic	Vegetation ¹ (Explain)	,
3. <u>Cyperus spp.</u>	<u>15</u>	NO 🔻	FACW 🔽	¹ Indicators of hydric soil and v		ıst
4. <u>Carex spp.</u>	10	NO ▼	FACW 🔽	be present, unless disturbed	or problematic.	
5				Definitions of Vegetation St	irata:	
6			<u>-</u>	Tree – Woody plants 3 in. (7.	6 cm) or more in diam	neter
7			. <u>-</u>	at breast height (DBH), regard	dless of height.	
8				Sapling/shrub – Woody plan		1
9				and greater than or equal to 3	3.28 ft (1 m) tall.	
10.		-	-	Herb – All herbaceous (non-wo		of
11		-	-	size, and woody plants less than	3.28 ft tall.	
12.		_	_	Woody vines – All woody vines height.	greater than 3.28 ft in	
		= Total Cov	er	neight.		
Woody Vine Stratum (Plot size: 30)						
1		🔻				
2				Hydrophytic		
3				Vegetation Present? Yes 2	No □	
4		-			<u> </u>	
4		= Total Cov	· 			
Remarks: (Include photo numbers here or on a separate	sheet.)					

SOIL Sampling Point: 12.13 D-3

Depth Martix Redox Features Calor (moist) 56. Calor (moist) 56. Calor (moist) 56. Type Loc² Texture Remarks	Profile Desc	ription: (Describe	to the de	oth needed to docu	ment the i	ndicator	or confirm	the absence	of indicators.)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. **Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators: **Indicators for Problematic Hydric Soils*: **Location: PL=Pore Lining, M=Matrix. **Location							0		
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. **Hydric Soil Indicators: Histicsos (At1)	<u>(inches)</u>	Color (moist)	%	Color (moist)	%	Type'	Loc ²	<u>Texture</u>	Remarks
Hydric Soil Indicators: Histosol (A1)	0-16	10yr/3/1	92	10yr/4/6	8	<u>-</u>	1 - ▼	SaLo	Prominent
Hydric Soil Indicators: Histosol (A1)							ī. —		
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)						-	-		
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)	·					-	-		
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)						_	-		
Hydric Soil Indicators: Histosol (A1)		_							
Hydric Soil Indicators: Histosol (A1)	-					-	-		
Hydric Soil Indicators: Histosol (A1)			· - <u></u>						
Hydric Soil Indicators: Histosol (A1)						_	_		
Hydric Soil Indicators: Histosol (A1)									
Hydric Soil Indicators: Histosol (A1)						-	-		
Hydric Soil Indicators: Histosol (A1)						-	-		
Hydric Soil Indicators: Histosol (A1)	¹Type: C=Co	ncentration, D=Dep	letion. RM	=Reduced Matrix. M	S=Masked	Sand G	ains.	² Location	n: PL=Pore Lining, M=Matrix.
Histic Epipedon (A2) Histic Epipedon (A2)				Troudoud manny					
Histic Epipedon (A2) Histic Epipedon (A2)	Histosol	(A1)		Polyvalue Belo	w Surface	(S8) (LR	R R.	☐ 2 cm N	Muck (A10) (LRR K, L, MLRA 149B)
Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) * **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.* **Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No Hydric Soil Present? Yes No **Indicators of Polyvalue Below Surface (S7) (LRR K, L, M) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S9) (LRR K, L, M) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, M) Polyvalue Below Surface (S9) (LRR K, L) House Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L) Iro						`	•	_	
Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Polyvalue Below Surface (S8) (LRR K, L) Print Dark Surface (S9) (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) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Cyery Shallow Dark Surface (TF12) Other (Explain in Remarks) Hydric Soil Present? Yes No	Black His	stic (A3)		Thin Dark Surfa	ace (S9) (I	RR R, M	LRA 149B) 🔲 5 cm N	Mucky Peat or Peat (S3) (LRR K, L, R)
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L, R) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L, R) Thin Dark Surface (S9) (LRR K, L, R) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	_ ` `	, ,					(, L)		
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox Depressions (F8) Redox Depressions (F8	_					()			
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No	_		e (A11)	_				_	
Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Type: Depth (inches): Hydric Soil Present? Yes No									
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No \(\textsqrt{1}\)	_				,	.7)		_	
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No \(\textsqrt{1}\)				Redox Depress	310113 (1 0)				
Dark Surface (S7) (LRR R, MLRA 149B) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No \(\subseteq \)	=								
Restrictive Layer (if observed): Type:			ILRA 149	B)				_	, ,
Restrictive Layer (if observed): Type:									
Type:				etland hydrology mu	st be prese	ent, unles	s disturbed	or problemation	С.
Depth (inches): Hydric Soil Present? Yes X No	Restrictive L	.ayer (if observed):							
	Type:			•					_
Remarks:	Depth (inc	ches):		-				Hydric Soil	Present? Yes 🗵 No 🔲
	Remarks:							•	



Wetland D- View facing Southeast



Wetland 12.13 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 - Package 3	City/County: Ballston Spa/Saratoga Sampling Date: 03-29-2023
Applicant/Owner: TDI	State: NY Sampling Point: Wet D-7
Investigator(s): C.Scrivner & J. Greaves	Section, Township, Range:
-	ocal relief (concave, convex, none): Concave Slope %: 2
	
, <u> </u>	
Soil Map Unit Name: MnB: Manlius-Nassau complex, undulating, rocky	y NWI classification: PFO1
Are climatic / hydrologic conditions on the site typical for this time of year	r? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly di	isturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally prob	lematic? (If needed, explain any answers in Remarks.)
	ampling 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 D-7
Remarks: (Explain alternative procedures here or in a separate report. 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)
X Surface Water (A1) X Water-Stained Leav	res (B9) X Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13	·
X Saturation (A3) Marl Deposits (B15)	 •
Water Marks (B1) Hydrogen Sulfide Oc	· · · · · · · · · · · · · · · · ·
	res on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	
	on in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5)Thin Muck Surface (
Inundation Visible on Aerial Imagery (B7)Other (Explain in Re	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inch	nes):1
Water Table Present? Yes X No Depth (inch	
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	, previous inspections), if available:
Remarks:	
Remarks.	

Tree Stratum (Plot size: 30') 1. Acer rubrum	% Cover	Species?	Status	Dominance Test worksheet:	
	40	Yes	FAC	Number of Deminant Chasics	
2. Pinus strobus	40	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A	١)
3.					
4.				Total Number of Dominant Species Across All Strata: 9 (E	3)
5.				Barrant of Daminant Charles	
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A	VB)
7.				Prevalence Index worksheet:	
	80	=Total Cover		Total % Cover of: Multiply by:	_
Sapling/Shrub Stratum (Plot size:15')		-		OBL species 0 x 1 = 0	
1. Acer rubrum	5	Yes	FAC	FACW species 5 x 2 = 10	
2. Pinus strobus	4	Yes	FACU	FAC species 70 x 3 = 210	
3. Lonicera morrowii	3	Yes	FACU	FACU species 49 x 4 = 196	
4. Rosa multiflora	2	No	FACU	UPL species 0 x 5 = 0	
5.				Column Totals: 124 (A) 416	(B)
6.		<u> </u>		Prevalence Index = B/A = 3.35	_
7.		_		Hydrophytic Vegetation Indicators:	
	14	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
Herb Stratum (Plot size:5')		-		X 2 - Dominance Test is >50%	
Toxicodendron radicans	15	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹	
2. Acer rubrum	5	Yes	FAC	4 - Morphological Adaptations ¹ (Provide suppo	rting
3. Fraxinus pennsylvanica	5	Yes	FACW	data in Remarks or on a separate sheet)	
4. Cornus racemosa	5	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)	
5.				¹ Indicators of hydric soil and wetland hydrology mu	st he
6.		<u> </u>		present, unless disturbed or problematic.	31 50
7.		<u> </u>		Definitions of Vegetation Strata:	_
8.		· —		Tree – Woody plants 3 in. (7.6 cm) or more in diam	eter
9				at breast height (DBH), regardless of height.	Oic.
10				Sapling/shrub – Woody plants less than 3 in. DBH	ı
11				and greater than or equal to 3.28 ft (1 m) tall.	
12.		_		Herb – All herbaceous (non-woody) plants, regardl	200
	30	=Total Cover		of size, and woody plants less than 3.28 ft tall.	500
Woody Vine Stratum (Plot size:30')	_			Woody vines – All woody vines greater than 3.28 f	t in
1				height.	4 III i
2.					_
3.				Hydrophytic Vegetation	
4.				Present? Yes X No No	
		=Total Cover			

Sampling Point:

Wet D-7

SOIL Sampling Point: Wet D-7

Profile Desc Depth	ription: (Describe to Matrix	the dep		ment th x Featur		tor or co	nfirm the absence of i	naicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-10	10YR 3/1	65	10YR 6/1	15	D	М	Loamy/Clayey			
			7.5YR 5/8	20	С	M		Prominent redox concentrations		
10-16	2.5Y 6/1	90	10YR 5/8	10	С	M	Loamy/Clayey	Prominent redox concentrations		
10-10	2.51 0/1	90	1011 3/6	10		IVI	Loanly/Clayey	Frominent redox concentrations		
¹ Type: C=Co	oncentration, D=Deplet	tion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL	=Pore Lining, M=Matrix.		
Hydric Soil I	ndicators:						Indicators fo	r Problematic Hydric Soils ³ :		
Histosol	•		Dark Surface (,				ck (A10) (LRR K, L, MLRA 149B)		
	pipedon (A2)		Polyvalue Belo		ce (S8) (I	LRR R,				
Black His	` '		MLRA 149B	•	/I DD D	MIDAA		cky Peat or Peat (S3) (LRR K, L, R)		
· ·	n Sulfide (A4)		Thin Dark Surfa	, ,				Below Surface (S8) (LRR K, L)		
	l Layers (A5) I Below Dark Surface ((Δ11)	High Chroma S Loamy Mucky I					c Surface (S9) (LRR K, L) ganese Masses (F12) (LRR K, L, R)		
	rk Surface (A12)	(A11)	Loamy Gleyed			Χ (, L)		t Floodplain Soils (F19) (MLRA 149B)		
	oodic (A17)		X Depleted Matrix	,	-/			ent Material (F21) (outside MLRA 145)		
	A 144A, 145, 149B)		X Redox Dark Su		6)			llow Dark Surface (F22)		
Sandy M	lucky Mineral (S1)		X Depleted Dark	Surface	(F7)		Other (Ex	cplain in Remarks)		
Sandy G	leyed Matrix (S4)		X Redox Depress	sions (F8	3)		_			
	edox (S5)		Marl (F10) (LR					s of hydrophytic vegetation and		
Stripped	Matrix (S6)		Red Parent Ma	iterial (F2	21) (MLF	RA 145)		d hydrology must be present,		
Da atriativa I							unless	disturbed or problematic.		
Type:	_ayer (if observed):									
•							Ukudaia Cail Bassani	vo vo v		
Depth (ir	icnes):						Hydric Soil Present	t? Yes X No		
Remarks:										



Wetland D - View facing south



Wetland D - Soils

SITE PHOTOGRAPHS

Project/Site: CHPE Package 3	City/County: Ballston Spa Sampling Date: 12/13/2021
Applicant/Owner: CHA	State: NY Sampling Point: 12.13 D-1 Upland
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.):	I relief (concave, convex, none): Slope %:
<u></u>	Long: -73.83788 Datum:
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problem	
	
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X_
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	•
Upland to WL 12.13 D	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor	
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction i	in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rema	mrks) 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, pro	revious inspections), if available:
Remarks:	

roo Stratum (Plot sizo:	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
ree Stratum (Plot size:) . Quercus rubra	30	Yes	FACU	Dominance rest worksneet.
Carya ovata	40	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Carya Uvata	40	165	TACO	That Are OBL, I ACW, OI I AC.
				Total Number of Dominant Species Across All Strata: 4 (B)
				Species Across Air Strata. 4 (b)
				Percent of Dominant Species That Are ORL FACIAL or FAC: 25 09/ (A/F
·				That Are OBL, FACW, or FAC: 25.0% (A/E
	70	=Total Cover		
anling/Chruib Ctratum /Dlat aiza		- Total Cover		
apling/Shrub Stratum (Plot size:)			'
		· 		FACW species 0 x 2 = 0
	-			FAC species 25 x 3 = 75
	- ——			FACU species 108 x 4 = 432
	- ——			UPL species 0 x 5 = 0
	- ——			Column Totals: 133 (A) 507 (B
				Prevalence Index = B/A = 3.81
		·		Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size:)				2 - Dominance Test is >50%
Rubus allegheniensis	30	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Solidago spp.	25	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
Fragaria virginiana	8	No	FACU	
				Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of heigh
)				Sapling/shrub – Woody plants less than 3 in. DBH
l				and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardles
	63	=Total Cover		of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size:)			Woody vines – All woody vines greater than 3.28 ft
				height.
				Hydrophytic Vegetation
				Present? Yes No X
		=Total Cover		

		to the de				itor or co	onfirm the absence of i	indicators.)
Depth	Matrix	0/		x Featur		1 - 2	T 4	Device and the
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-16	10yr 4/2						Loamy/Clayey	
				·				
-								_
					·			
-								
								_
								_
1 _{Type: C=C}	oncentration, D=Dep	lotion DN	4-Paduaad Matrix N		kad San	Croins	² l continu	=Pore Lining, M=Matrix.
Hydric Soil I		ielion, Kiv	I-Reduced Matrix, I	/IO-IVIAS	keu Sand	d Grains.		Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	oo (S8) (I	DD D		k (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		CE (36) (I	LKK K,		irie Redox (A16) (LRR K, L, R)
				•	/I DD D	MIDA		
Black His	n Sulfide (A4)		Thin Dark Surf High Chroma S		-			ky Peat or Peat (S3) (LRR K, L, R)
								Below Surface (S8) (LRR K, L)
	Layers (A5)	. (Δ11)	Loamy Mucky			K K, L)		Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			anese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri		-0)			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		-			odic (TA6) (MLRA 144A, 145, 149B)
	eleyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5)		Redox Depress	•	0)			ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	KK,L)			Other (Exp	olain in Remarks)
Dark Sur	face (S7)							
3Indicators of	f bydrophytic yogotot	ion and u	otland hydrology mi	ist ha ni	rocent ur	aloog digt	urbad or problematic	
			retiand hydrology mi	ust be pi	esent, ui	iless dist	urbed or problematic.	
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present	? Yes No_X_
Remarks:								
								S 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 D- Soils

SITE PHOTOGRAPHS

Project/Site:	Champlain Huds	son Express		City/Coun	nty: Sarato	oga	Sampling	Date: Dec	cember 15, 2021	
Applicant/Owner:	СНА			State:	NY		Sampling I	Point: DP-	-DJ	
Investigator(s):	Tristen Peterson	າ		Section, To	ownship, Range	e: Ballston S	Spa			
Landform (hillslope,		Depression			f (concave, conv	-	Concave	Sk	ope (%): 1	
					•	·			·	
Subregion (LRR or I		LRR R		Lat: 43.004607°	°N L	Long: 73.83838			tum: NAD83	
Soil Map Unit Name	DeA - Deerfi	ield loamy fine sand	d, 0 to 3 percer	nt slopes			NWI classification:	Not Mapped	b	
Are climatic / hydrole	ogic conditions or	n the site typical for	this time of ye	ear? Yes	X No	o (If no	o, explain in Remarks	.s.)		
Are Vegetation	station, Soil, or Hydrologysignificantly disturbed? Are "No						mstances" present?	Yes _	X No	
Are Vegetation						f needed, explain	n any answers in Ren	marks.)		
SUMMA	ARY OF FIND	INGS – Attach	site map	showing sam	pling point	locations, tr	ransects, impo	rtant featu	res, etc.	
Hydrophytic Vege	etation Present?	Yes	X No	_	Is the Sample	ed Area				
Hydric Soil Preser		Yes	X No		within a Wetla		Yes X	No		
Wetland Hydrolog		Yes _	X No		If yes, optiona	al Wetland Site ID): <u>DJ</u>			
HYDROLOGY										
Wetland Hydrolo	gy Indicators:						Secondary Indicator	rs (minimum of	two required)	
Primary Indicators	s (minimum of one	e is required; check	all that apply))			Surface Soil Cracks (B6)			
X Surface Water	er (A1)		Water-	r-Stained Leaves (E	B9)	X	Drainage Patterns	; (B10)		
High Water T	Γable (A2)		Aquati	ic Fauna (B13)		<u>X</u>	Moss Trim Lines (I	B16)		
Saturation (A	/ 3)		Marl D	Deposits (B15)		Dry-Season Water Table (C2)				
Water Marks	; (B1)		Hydro	gen Sulfide Odor ((C1)	Crayfish Burrows (C8)				
Sediment De	posits (B2)		Oxidiz	zed Rhizospheres o	on Living Roots	ots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits	* *		Preser	nce of Reduced Iro	on (C4)	Stunted or Stressed Plants (D1)				
Algal Mat or	Crust (B4)			nt Iron Reduction in	-	s (C6) X Geomorphic Position (D2)				
Iron Deposits	s (B5)		Thin M	Muck Surface (C7)		Shallow Aquitard (D3)				
	isible on Aerial Im		Other	(Explain in Remark	ks)	<u>X</u>				
Sparsely Veg	getated Concave	Surface (B8)					FAC-Neutral Test	(D5)		
Field Observation		<u> </u>								
Surface Water Pre	esent?	Yes X No								
Water Table Prese	ent?	Yes No _		n (inches):		Wetland Hyd	rology Present?	Yes X	No	
Saturation Presen		Yes No _	Depth	h (inches):						
(includes capillary	<u> </u>	-141	" :-!		· \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					
Describe Recorde	d Data (stream ga	auge, monitoring we	ell, aeriai phot	os, previous inspe	ections), it availa	able:				
Remarks:										

SOIL Sampling Point: DP-DJ Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) Color (moist) Loc² (inches) Texture Remarks 0-15 10YR 2/1 85 7.5YR 5/6 Clay 10YR 3/2 60 7.5YR 4/6 Clay ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) X Redox Dark Surface (F6) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Depth (inches): Hydric Soil Present? Yes No Remarks:



Wetland DJ- View facing North



Wetland DJ- Soils

SITE PHOTOGRAPHS

Project/Site:	Champlain Hud	Ison Express		City/Cour	nty: Saratoga	a	Sampling Date:	December 15,	, 2021	
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-DJ-Upland	<u></u>	
Investigator(s):	Tristen Peterso	ท		Section, T	ownship, Range:	Ballston Spa				
Landform (hillslope	terrace, etc.):	Hillslope		Local relie	ef (concave, conve	ex, none): Convex		Slope (%):	5	
Subregion (LRR or	•	LRR R		Lat: 43.004543	·	ong: 73.838313°W		Datum: NAD8		
Soil Map Unit Name			→ O to 3 perce		211		ssification: Not N			
•		field loamy fine sand	·	·	V No.			Mapped		
-	-	on the site typical for	-		XNo	, , ,	•			
Are Vegetation _	, Soil	, or Hydrology	sign	nificantly disturbed	d? Are	e "Normal Circumstances	" present?	Yes X No)	
Are Vegetation	, Soil	, or Hydrology	natu	urally problematic	? (If n	needed, explain any ans	wers in Remarks.)			
SUMMA	ARY OF FIND	DINGS – Attach	n site map	showing sam	npling point le	ocations, transec	ts, important f	features, etc.		
Hydrophytic Vege	etation Present?	Yes	No	Х	Is the Sampled	l Δrea				
Hydric Soil Prese		Yes	No		within a Wetlar		No	X		
Wetland Hydrolog		Yes	No		If yes, optional \	Wetland Site ID:				
		edures here or in a s I DJ located alono			ailroad bed					
HYDROLOGY										
Wetland Hydrold	ogy Indicators:					Seconda	ry Indicators (minir	num of two require	ed)	
Primary Indicators (minimum of one is required; check all that apply)						Surface	e Soil Cracks (B6)			
Surface Wat	Surface Water (A1) Water-Stained Leaves (B9)					Draina	ge Patterns (B10)			
High Water	Table (A2)		Aquati	ic Fauna (B13)		Moss Trim Lines (B16)				
Saturation (A3)		Marl D	Deposits (B15)		Dry-Season Water Table (C2)				
Water Marks	s (B1)		Hydro	gen Sulfide Odor	(C1)	Crayfish Burrows (C8)				
Sediment De			Oxidiz	ed Rhizospheres	on Living Roots (0	ots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposit	* *		Presei	nce of Reduced In	ron (C4)	Stunted or Stressed Plants (D1)				
Algal Mat or					in Tilled Soils (C6)	· · · · · · · · · · · · · · · · · · ·				
Iron Deposit			_	Muck Surface (C7)	•		v Aquitard (D3)			
	/isible on Aerial Ir	. ,	Other	(Explain in Remai	.rks)		pographic Relief (I	D4)		
Sparsely Ve	egetated Concave	Surface (B8)				FAC-N	eutral Test (D5)			
Field Observation									_	
Surface Water Pr		Yes No								
Water Table Pres		Yes No				Wetland Hydrology P	resent? Yes	No _	X	
Saturation Preser		Yes No	X Depth	h (inches):						
(includes capillary		gauge, monitoring w	uall parial phot	too provious inspi	cotions) if availah	No.				
Describe Necords	zu Dala (siream g	Jauge, monitoring w	/eli, actiai priot	ios, previous inspi	ections, ii availab	ie.				
		<u></u>					<u></u>	<u></u>		
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	15	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2.				That Are OBE, I AOW, OT AC.
3.				Total Number of Dominant Species Across All Strata: 4 (B)
				,
4				Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)
5				``
6				Prevalence Index worksheet:
7		T / 10		Total % Cover of: Multiply by:
	15	= Total Cover		OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft.)				FACW species 0 $x = 0$ FAC species 0 $x = 0$
1				FACU species 55 x 4 = 140
2				UPL species 5 x 5 = 25
3				Column Totals: 60 (A) 220 (B)
4				
5				Prevalence Index = B/A = 3.67
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
	0	Total Cavar		2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹
Herb Stratum (Plot size: 5 ft.)		= Total Cover		4 - Morphological Adaptations ¹ (Provide supporting
Solidago canadensis	10	Yes	FACU	data in Remarks or on a separate sheet)
Rosa multiflora	20		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
3 Fragaria virginiana			FACU	¹ Indicators of hydric soil and wetland hydrology must
Artemisia vulgaris			UPL	be present, unless disturbed or problematic.
	5		UPL	Definitions of Vegetation Strata:
5				
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
7				
0				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9				Herb – All herbaceous (non-woody) plants, regardless of
10				size, and woody plants less than 3.28 ft tall.
11				Woody vines – All woody vines greater than 3.28 ft in
12				height.
	45	= Total Cover		
Woody Vine Stratum (Plot size: 30 ft.)				
1				
2.				Hydrophytic
				Vegetation Present? Yes NoX
3				Tresent: Tes No
4		T 0		
	0	= Total Cover	<u>r </u>	1
Remarks: (Include photo numbers here or on a separate sheet.) No hydrophytic vegetation found at data point				

Sampling Point: DP-DJ-Upland

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



Upland DJ- View facing South



Upland DJ- Soils

SITE PHOTOGRAPHS

ATTACHMENT 2 NWI AND NYSDEC WETLAND & STREAM MAPS

