SOIL Sampling Point: GP2-E-Wet

	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth	Matrix		Redox Features					
(inches)	Color (moist)	<u> </u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-14	10YR 2/1	95	10YR 5/6	5	С	М	Mucky Loam/Clay	Prominent redox concentrations
							<u></u>	
							-	
1 	-Canadantina D-Dank		I-Dadwaad Matrix Co				d Carina 21 a	
	Concentration, D=Deple	etion, Riv	I=Reduced Matrix, CS	s=Cover	ea or Coa	ited Sand		cation: PL=Pore Lining, M=Matrix.
•	il Indicators:		Dalamaka Dalam	0	(00) (LD	D D		or Problematic Hydric Soils ³ :
	sol (A1)	-	Polyvalue Below	Surface	(S8) (LR	кк,		ck (A10) (LRR K, L, MLRA 149B)
	Epipedon (A2)		MLRA 149B)	- (00) (U DA 440		rairie Redox (A16) (LRR K, L, R)
	Histic (A3)	-	Thin Dark Surfac					cky Peat or Peat (S3) (LRR K, L, R)
	ogen Sulfide (A4)	-	High Chroma Sa					e Below Surface (S8) (LRR K, L)
	fied Layers (A5)		Loamy Mucky Mi			(, L)		k Surface (S9) (LRR K, L)
	ted Below Dark Surface	(A11)	Loamy Gleyed M		<u>(</u>)			nganese Masses (F12) (LRR K, L, R)
	Dark Surface (A12)	-	Depleted Matrix (` '				nt Floodplain Soils (F19) (MLRA 149B)
	y Mucky Mineral (S1)	-	X Redox Dark Surf					podic (TA6) (MLRA 144A , 145 , 149B)
	y Gleyed Matrix (S4)	-	Depleted Dark S	,	-7)			ent Material (F21)
	y Redox (S5)	-	Redox Depression	` '				allow Dark Surface (TF12)
	ed Matrix (S6)	-	Marl (F10) (LRR	K, L)			Other (E	xplain in Remarks)
Dark :	Surface (S7)							
3							L	
	of hydrophytic vegetati	on and w	etland hydrology mus	st be pre	sent, unle	ess distur	bed or problematic	
	e Layer (if observed):							
Type: _								
Depth (i	nches):						Hydric Soil Pre	esent? Yes X No No
Remarks:								
								CS Field Indicators of Hydric Soils
version 7.0	0 March 2013 Errata. (hi	ttp://www	nrcs.usda.gov/Intern	et/FSE_	DOCUM	ENTS/nrc	s142p2_051293.dc	ocx)



Wetland GP2-E-Wet



Wetland GP2-E-Wet-Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

Project/Site: CHPE-Package 2- MP 120.9	City/County: Fort Ann/ Washington Sampling Date: 8/4/2022				
Applicant/Owner: CHPE		State:	NY Sampling Point: GP2-E-Up		
Investigator(s): K. Weiskotten, K. Schumacher	Section, Towns	hip, Range: Fort Ann			
Landform (hillside, terrace, etc.): Ridges and hills		ave, convex, none): Convex	Slope (%):		
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 4	3° 26' 1100"	Long: -73° 27' 18.00"	Datum:		
Soil Map Unit Name: Hollis rock outcrop			sification: None		
Are climatic / hydrologic conditions on the site typical for	this time of year? Yes	X No (If no, explai	n in Remarks.)		
Are Vegetation, Soil, or Hydrology	-	Are "Normal Circumstances" p	,		
Are Vegetation , Soil , or Hydrology		(If needed, explain any answe	rs in Remarks.)		
SUMMARY OF FINDINGS – Attach site map	— showing sampling po	int locations, transects	s, important features, etc.		
Hydrophytic Vegetation Present? Yes	No X Is the Sam	pled Area			
Hydric Soil Present? Yes	No X within a W	•	NoX		
Wetland Hydrology Present? Yes		onal Wetland Site ID:			
Remarks: (Explain alternative procedures here or in a s	eparate report.)				
Successional old field/Maintained unpaved road					
Successional old held/waintained unpaved road					
LIVEROLOGY					
HYDROLOGY					
Wetland Hydrology Indicators:		·	icators (minimum of two required)		
Primary Indicators (minimum of one is required; check a			oil Cracks (B6)		
l— ` ' — —	Vater-Stained Leaves (B9)		Patterns (B10)		
	quatic Fauna (B13)		Lines (B16)		
	Marl Deposits (B15)	 •	on Water Table (C2)		
I — — —	lydrogen Sulfide Odor (C1)		Burrows (C8)		
<u> </u>	oxidized Rhizospheres on Livin	· · · —	Visible on Aerial Imagery (C9)		
	resence of Reduced Iron (C4)		r Stressed Plants (D1)		
1 <u> </u>	Recent Iron Reduction in Tilled	` ' '	nic Position (D2)		
l <u> </u>	hin Muck Surface (C7)		quitard (D3)		
	other (Explain in Remarks)	 ·	Microtopographic Relief (D4) FAC-Neutral Test (D5)		
Sparsely Vegetated Concave Surface (B8)		FAC-Neut	ral Test (D5)		
Field Observations:					
Surface Water Present? Yes NoX	Depth (inches):				
Water Table Present? Yes No _X	Depth (inches):				
	Depth (inches):	Wetland Hydrology Prese	nt? Yes No _X_		
(includes capillary fringe)	l				
Describe Recorded Data (stream gauge, monitoring wel	i, aeriai pnotos, previous inspe	ections), if available:			
Remarks:					
No soil data hole able to be dug as upland is the roadwa	av.				
The continuous and the are any are appeared to the results	.,.				

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

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus americana	5	Yes	FACU	Number of Dominant Species
2. Acer saccharum	5	Yes	FACU	That Are OBL, FACW, or FAC:1 (A)
3.				Total Number of Dominant
4.				Species Across All Strata: 7 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 14.3% (A/B)
7				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species5 x 1 =5
1. Salix nigra	5	Yes	OBL	FACW species 0 x 2 = 0
2. Rhus typhina	10	Yes	UPL	FAC species0 x 3 =0
3.				FACU species 30 x 4 = 120
4				UPL species40 x 5 =200
5				Column Totals: 75 (A) 325 (B)
6				Prevalence Index = B/A = 4.33
7.				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Daucus carota	15	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Pastinaca sativa	15	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Poa pratensis	10	Yes	FACU	data in Remarks or on a separate sheet)
4. Solidago canadensis	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Trifolium pratense	5	No	FACU	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 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
	50	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				l
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

GP2-E-Up

SOIL Sampling Point: GP2-E-Up

Depth	Matrix	to the de	=	k Feature		or con	firm the absence of ind	iicators.)
inches)	Color (moist)	~ ~	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
	, ,		, ,					
			-					
						_ _		
/ne: C=Co	ncentration D=Der	letion RN	/I=Reduced Matrix, C	S=Cover	ed or Co:	ted Sand	Grains ² Location	: PL=Pore Lining, M=Matrix.
/dric Soil I		iction, rai	I-reduced Matrix, O	5-00VCI	<u> </u>	ica Gana		blematic Hydric Soils ³ :
			Dolynyolyo Bolow	Curfoso	(CO) /I B	D D		
_ Histosol		-	Polyvalue Below	Surface	(58) (LR	KK,		10) (LRR K, L, MLRA 149B)
_	ipedon (A2)		MLRA 149B)					Redox (A16) (LRR K, L, R)
_ Black His			Thin Dark Surfac					eat or Peat (S3) (LRR K, L, R)
_ Hydroger	n Sulfide (A4)		High Chroma Sa	ınds (S1	1) (LRR i	(, L)		ow Surface (S8) (LRR K, L)
_ Stratified	Layers (A5)		Loamy Mucky M	ineral (F	1) (LRR I	(, L)	Thin Dark Surf	ace (S9) (LRR K, L)
Depleted	Below Dark Surfac	e (A11)	Loamy Gleyed M	1atrix (F2	2)		Iron-Manganes	se Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matrix	(F3)			Piedmont Floo	dplain Soils (F19) (MLRA 149B
 Sandy M	ucky Mineral (S1)		Redox Dark Surf	ace (F6))		Mesic Spodic ((TA6) (MLRA 144A, 145, 149B)
_	leyed Matrix (S4)	•	 Depleted Dark S	urface (l	F7)		Red Parent Ma	
_	edox (S5)	•	Redox Depression					Dark Surface (TF12)
_	Matrix (S6)	-	Marl (F10) (LRR	, ,			Other (Explain	
	face (S7)	-	Wall (1 10) (LIKK	IX, L)			Other (Explain	iii Kemarks)
- Dark Sur	lace (ST)							
			etland hydrology mu	st be pre	esent, uni	ess disturi	ped or problematic.	
	ayer (if observed)							
Type: Roa	dway fill							
Depth (inch	nes):	0					Hydric Soil Present	? Yes No X
emarks:								
	n is revised from No	orthcentra	Land Northeast Region	onal Sup	olement \	/ersion 2	0 to reflect the NRCS Fig	eld Indicators of Hydric Soils
							s142p2_051293.docx)	ora marcatoro el myanto cono
0101011 110 111	iaron 2010 Erratai (тер.,,, т	in coluctal go vincon	.00. 02_			0112p2_0012001000X)	



Upland GP2-E-Up



Upland GP2-E-Up- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Fort Ann/Washington Sampling Date: 5.11.22
Applicant/Owner: TDI	State: NY Sampling Point: CA-9 Wet
Investigator(s): John Greaves & Nicole Frazer	Section, Township, Range:
	relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43.434863	Long: -73.455157 Datum: NAD83
Soil Map Unit Name: HnC - Hollis-rock outcrop association, gently sloping	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	
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.) 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) Water-Stained Leaves (I	B9) Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches):	
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	:0 Wetland Hydrology Present? YesX No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Describer	
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Ulmus americana	50	Yes	FACW	Bollillailde Test Worksheet.
2. Acer rubrum	15	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
3. Populus deltoides	5	No	FAC	
4.	-			Total Number of Dominant Species Across All Strata: 7 (B)
5.				
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 71.4% (A/B)
7.				Prevalence Index worksheet:
	70	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		_		OBL species 13 x 1 = 13
1. Ulmus americana	15	Yes	FACW	FACW species 135 x 2 = 270
2. Acer rubrum	10	Yes	FAC	FAC species 35 x 3 = 105
3. Zanthoxylum americanum	10	Yes	FACU	FACU species 25 x 4 = 100
4. Lonicera morrowii	10	Yes	FACU	UPL species 0 x 5 = 0
5.				Column Totals: 208 (A) 488 (B)
6.				Prevalence Index = B/A = 2.35
7.				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	65	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Symplocarpus foetidus	8	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex lurida	5	No	OBL	data in Remarks or on a separate sheet)
4. Pinus strobus	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Solidago rugosa	5	No	FAC	¹ Indicators of hydric soil and wetland hydrology must
6. Solidago gigantea	5	No	FACW	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
	93	=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 sepa	rate sheet.)			

Sampling Point: __CA-9 Wet

SOIL Sampling Point CA-9 Wet

Profile Descripe	ription: (Describe t Matrix	o the de		ument t l x Featur		ator or co	onfirm the absence o	f indicators.)	
(inches)	Color (moist)	%	Color (moist)	% " Catur	Type ¹	Loc ²	Texture	Remarks	
0-3	10YR 2/1	100			-71		Loamy/Clayey		
3-17	2 5V 5/1		10YR 3/6	35				Prominent rodey concentrations	
3-17	2.5Y 5/1		1018 3/6	35	<u> </u>	<u>m</u>	Sandy	Prominent redox concentrations	
1 _{Tyme} , C=Ce			——————————————————————————————————————		——			U - Dovo Lining M-Metrix	
Hydric Soil I	ncentration, D=Deple	elion, Riv	i-Reduced Matrix, N	15-IVIAS	keu Sand	Grains.		L=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :	
Histosol (Polyvalue Belo	w Surfa	ce (S8) (LRR R.		uck (A10) (LRR K, L, MLRA 149B)	
	ipedon (A2)		MLRA 149B		00 (00) (,		rairie Redox (A16) (LRR K, L, R)	
Black His			Thin Dark Surfa	•	(LRR R	, MLRA 1		icky Peat or Peat (S3) (LRR K, L, R)	
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	311) (LRI	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)	
Stratified	Layers (A5)		Loamy Mucky			R K, L)		rk Surface (S9) (LRR K, L)	
	Below Dark Surface	(A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (F12) (LRR K, L, R)		
	rk Surface (A12)		Depleted Matri	` '				nt Floodplain Soils (F19) (MLRA 149B)	
	ucky Mineral (S1)		Redox Dark Su	,	•			podic (TA6) (MLRA 144A, 145, 149B)	
X Sandy Re	leyed Matrix (S4)		— Depleted Dark Redox Depress					ent Material (F21) allow Dark Surface (F22)	
? Stripped			Marl (F10) (LR	,	0)			explain in Remarks)	
Dark Sur				,				,	
_	, ,								
³ Indicators of	hydrophytic vegetati	on and w	etland hydrology mι	ıst be pı	esent, u	nless dist	urbed or problematic.		
Restrictive L	.ayer (if observed):								
Type: _									
Depth (in	ches):						Hydric Soil Preser	nt? Yes X No	
Remarks:	m is revised from Nor	rthcentra	and Northeast Regi	ional Su	nnlemen	t Version	2.0 to include the NR0	CS Field Indicators of Hydric Soils,	
	2015 Errata. (http://w							oo i ida maidatoro di riyano dono,	



Wetland CA near flag CA-9 - View facing west



Wetland CA- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Fort Anne/Washington Sampling Date: 5.11.22
Applicant/Owner: TDI	State: NY Sampling Point: CA-9 Upl
Investigator(s): John Greaves & Nicole Frazer	Section, Township, Range:
	relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43.434768	Long: -73.455039 Datum: NAD83
Soil Map Unit Name: HnC - Hollis-rock outcrop association, gently sloping	
Are climatic / hydrologic conditions on the site typical for this time of year?	
	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID: Upland adjacent to Wetland CA near flag CA-9
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 (I	B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor ((C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron	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 Remar	rks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	:
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
1	

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Pinus strobus	50	Yes	FACU	Dominance rest worksheet.
2. Fraxinus americana	. <u></u> 15	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
3. Prunus serotina	10	No	FACU	
4.				Total Number of Dominant Species Across All Strata: 6 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
	75	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15)			OBL species 0 x 1 = 0
1. Lonicera morrowii	60	Yes	FACU	FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3				FACU species185 x 4 =740
4				UPL species0 x 5 =0
5				Column Totals: 185 (A) 740 (B)
6				Prevalence Index = B/A = 4.00
7				Hydrophytic Vegetation Indicators:
	60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5)				2 - Dominance Test is >50%
1. Lonicera morrowii		Yes	<u>FACU</u>	3 - Prevalence Index is ≤3.0¹
2. Prunus serotina	10	Yes	<u>FACU</u>	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Populus tremuloides	5	No	<u>FACU</u>	
4. Pinus strobus	5	No	<u>FACU</u>	Problematic Hydrophytic Vegetation ¹ (Explain)
5. <u>Fragaria virginiana</u> 6.	5	. <u>No</u>	FACU	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.				Continuo Abruh Woody planta loss than 2 in DBH
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Hawk All barbassaus (non woods) plants regardless
	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:30)			Woody vines – All woody vines greater than 3.28 ft in
1. Vitis aestivalis	5	Yes	FACU	height.
2				Hydrophytic
3				Vegetation
4				Present?
	5	=Total Cover		
Remarks: (Include photo numbers here or on a sep	parate sheet.)			

Sampling Point: _

CA-9 Upl

SOIL Sampling Point CA-9 Upl

Profile Desc Depth	ription: (Describe t Matrix	o the de		ı ment th k Featur		ator or co	onfirm the absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks	
0-3	10YR 2/1	100					Loamy/Clayey		
3-16	10YR 4/3	85	10YR 2/1	10	С		Sandy	Distinct redox concentrations	
1			10YR 3/6	5	С	m		Distinct redox concentrations	
¹ Type: C=Co	oncentration, D=Depl	etion, RN	 /I=Reduced Matrix, М	 S=Masi	ked Sand	d Grains.	² Location: PL	_=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators fo	r Problematic Hydric Soils ³ :	
Histosol			Polyvalue Belov		ce (S8) (LRR R,		ck (A10) (LRR K, L, MLRA 149B)	
	oipedon (A2)		MLRA 149B)		\	MI DA 4		airie Redox (A16) (LRR K, L, R)	
Black Hi	stic (A3) n Sulfide (A4)		Thin Dark Surfa High Chroma S	` '	, ,	•	′ —	cky Peat or Peat (S3) (LRR K, L, R)	
	I Layers (A5)		Loamy Mucky N					e Below Surface (S8) (LRR K, L) s Surface (S9) (LRR K, L)	
	l Below Dark Surface	(A11)	Loamy Gleyed			IX IX, L)	Iron-Manganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)	,	Depleted Matrix		,		Piedmont Floodplain Soils (F19) (MLRA 149B)		
Sandy M	lucky Mineral (S1)		Redox Dark Su	rface (F	·6)		Mesic Sp	odic (TA6) (MLRA 144A, 145, 149B)	
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)		
	edox (S5)		Redox Depressions (F8)				Very Shallow Dark Surface (F22)		
? Stripped	, ,		Marl (F10) (LRF	₹ K, L)			Other (Explain in Remarks)		
— Dark Sui	face (S7)								
³ Indicators of	f hvdrophytic vegetati	on and v	vetland hvdrologv mu	st be pr	esent. ui	nless dist	urbed or problematic.		
	_ayer (if observed):			<u>от во р.</u>			Programment		
Type:									
Depth (ir	nches):						Hydric Soil Presen	t? Yes No <u>X</u>	
Remarks:									
								S Field Indicators of Hydric Soils,	
version 7.0,	2015 Errata. (http://w	ww.nics.	usua.gov/internet/F5	,E_DOC	OIVIENT	S/IIICS 14.	2p2_051295.docx)		
İ									
								· ·	



Upland CA near flag CA-9 - View facing east



Upland CA- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Fort Ann/Washington Sampling Date: 11/18/21
Applicant/Owner: TDI	State: NY Sampling Point: CIZ-7 We
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): depression Local	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-26-03N	Long: 73-27-20W Datum: WGS 84
Soil Map Unit Name: Hollis-Rock outcrop association (HNC)	NWI classification: PSS
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	Is the Sampled Area within a Wetland? 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) X Water-Stained Leaves (I	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· / · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of the control of th	
Drift Deposits (B3) Presence of Reduced Inc	
Algal Mat or Crust (B4) Recent Iron Reduction in This Music Surface (C7)	· / — · · · /
Iron Deposits (B5) Thin Muck Surface (C7) Other (Figures in Person	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _x Depth (inches):	
Water Table Present? Yes x No Depth (inches):	
Saturation Present? Yes x No Depth (inches):	:0 Wetland Hydrology Present? Yes _X No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), il available:
Remarks:	

	Absolute	Dominant	Indicator			
Free Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:		
Populus deltoides	20	Yes	FAC_	Number of Dominant Species		
2. Ulmus americana	8	Yes	FACW	That Are OBL, FACW, or FAC:5 (A)		
3				Total Number of Dominant		
·				Species Across All Strata: 5 (B)		
5				Percent of Dominant Species		
ö				That Are OBL, FACW, or FAC: 100.0% (A/B		
·				Prevalence Index worksheet:		
	28	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:15')				OBL species30 x 1 =30		
. Cornus amomum	60	Yes	FACW	FACW species 113 x 2 = 226		
. Lonicera tatarica	15	No	FACU	FAC species35 x 3 =105		
. Cornus racemosa	10	No	FAC	FACU species23 x 4 =92		
				UPL species 0 x 5 = 0		
j.				Column Totals: 201 (A) 453 (B		
j.				Prevalence Index = B/A = 2.25		
				Hydrophytic Vegetation Indicators:		
	85	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%		
. Lonicera tatarica	8	No	FACU	X 3 - Prevalence Index is ≤3.0 ¹		
2. Onoclea sensibilis	45	Yes	FACW	 4 - Morphological Adaptations¹ (Provide support 		
3. Carex lacustris	30	Yes	OBL	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)		
L. Equisetum arvense	5	No	FAC			
S. Equisitant diverse				robiematic riyarophytic vegetation (Explain)		
;. ;.				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.				Sapling/shrub – Woody plants less than 3 in. DBH		
1				and greater than or equal to 3.28 ft (1 m) tall.		
2		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
Noody Vine Stratum (Plot size: 30')		- Total Cover				
				Woody vines – All woody vines greater than 3.28 ft in height.		
				neight.		
				Hydrophytic		
3				Vegetation		
l				Present? Yes X No No		
		=Total Cover				

SOIL Sampling Point CIZ-7 Wet

Depth	Matrix			x Featur			onfirm the absence o	,
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 2/1	100					Loamy/Clayey	
7-20	10YR 5/1	60	5YR 4/6	_40_	<u>C</u>	_M_	Sandy	Prominent redox concentrations
¹ Type: C=Co	oncentration, D=Depl	etion, RN	/=Reduced Matrix, N	 1S=Mas	ked San	——d Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil							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 Ep	oipedon (A2)		MLRA 149B))			Coast P	rairie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)) (LRR R	, MLRA 1	49B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	3ands (S	611) (LR	R K, L)	Polyvalu	ue Below Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky I	Mineral	(F1) (LR	RK, L)	Thin Da	rk Surface (S9) (LRR K, L)
X 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 Matrix	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B
—— Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
—— Sandy G	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Par	rent Material (F21)
Sandy R	tedox (S5)		Redox Depress	sions (F	8)		Very Sh	allow Dark Surface (F22)
 Stripped	Matrix (S6)		Marl (F10) (LR	RK, L)			Other (E	Explain in Remarks)
Dark Sui	rface (S7)						_	
	, , , ,	on and w	∕etland hydrology mι	ıst be pr	resent, u	nless dist	urbed or problematic.	
Restrictive I Type:	Layer (if observed): none	<u>a</u>						
Depth (ir							Hydric Soil Prese	nt? Yes X No
Remarks:								
	m is revised from Noi 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,



Wetland CIZ-7- View facing south



Wetland CIZ-7- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Fort Ann/Washington Sampling Date: 11/18/21					
Applicant/Owner: TDI	State: NY Sampling Point: CIZ-7 Up					
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:					
Landform (hillside, terrace, etc.): flat Local	relief (concave, convex, none): none Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 43-26-03N	Long: 73-27-20W Datum: WGS 84					
Soil Map Unit Name: Hollis-Rock outcrop association (HNC)	NWI classification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distur	· · · · _ · _ · · · · ·					
Are Vegetation , Soil , or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam						
	T					
Hydrophytic Vegetation Present? Hydric Soil Present? Yes X No Yes No X	Is the Sampled Area					
Hydric Soil Present? Yes No _X Wetland Hydrology Present? Yes No _X	within a Wetland? Yes No X If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)	ii yee, optional wettand one ib.					
Mowed roadside.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) Water-Stained Leaves (I	(B9) Drainage Patterns (B10)					
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor ((C1) Crayfish Burrows (C8)					
Sediment Deposits (B2) Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3) Presence of Reduced Iron	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)	?) Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No _x Depth (inches):	: <u> </u>					
Water Table Present? Yes No x Depth (inches):	(<u> </u>					
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 (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1		·		Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata:1 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1.				FACW species 0 x 2 = 0
2				FAC species 80 x 3 = 240
3.				FACU species19 x 4 =76
4				UPL species 9 x 5 = 45
5				Column Totals: 108 (A) 361 (B)
6				Prevalence Index = B/A = 3.34
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
1. Setaria pumila	65	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Trifolium repens	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Trifolium pratense	5	No No	FACU	data in Remarks or on a separate sheet)
4. Galium boreale	15	No No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Pastinaca sativa	8	No No	UPL	¹Indicators of hydric soil and wetland hydrology must
6. Lotus corniculatus	3	No No	FACU	be present, unless disturbed or problematic.
7. Securigera varia	1	No No	UPL	Definitions of Vegetation Strata:
8. Taraxacum officinale	1	No No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in
9. Plantago lanceolata	5	No No	FACU	diameter at breast height (DBH), regardless of height.
10.				Continue/about Wasday plants less than 2 in DDI
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Houte All books account (many viscostic) plants, recognition
	108	=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')		•		We do to the All we do to the All and the
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet)	•		
Tremarks. (Include prioto numbers here of on a sepa	ate sneet.)			

Sampling Point: CIZ-7 Upl

SOIL Sampling Point CIZ-7 Upl

Profile Desc Depth	ription: (Describe to Matrix	the de		ıment tl x Featur		tor or co	onfirm the absence of inc	licators.)
(inches)	Color (moist)	%	Color (moist)	% realur	Type ¹	Loc ²	Texture	Remarks
					Турс			Remains
0-8	10YR 2/1	100					Loamy/Clayey	
								_
¹ Type: C=Cc	ncentration, D=Deple	 etion. RM	======================================	 IS=Mas	ked Sand	Grains.	² Location: PL=P	ore Lining, M=Matrix.
Hydric Soil I		,	,					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	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	49B) 5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)
— Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue Be	elow Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark Su	urface (S9) (LRR K, L)
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Mangan	ese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont Flo	oodplain Soils (F19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	•	•		Mesic Spodio	c (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					Material (F21)
	edox (S5)		Redox Depress	•	8)			v Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K , L)			Other (Expla	in in Remarks)
— Dark Sur	face (S7)							
3Indianton of	huduanhutia vanatati		estland budgeless and			alaaa diat	un a di au mualala na ati a	
	ayer (if observed):	on and w	eliand nydrology mi	ist be pr	esent, ur	ness alst	urbed or problematic.	
Type:	grave	i						
-								
Depth (in	cnes):	8					Hydric Soil Present?	Yes No _X
Remarks:								
	n is revised from Nor 2015 Errata. (http://w							rield Indicators of Hydric Soils,
version 7.0, 2	2010 Errata. (http://w/	ww.mcs.	usua.gov/internet/1	JL_DOC	JOIVILIAI	0/1110314/	zpz_001200.d00x)	



Upland CIZ-7- View facing northeast



Upland CIZ-7- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Fort Ann/Washington Sampling Date: 11/18/21					
Applicant/Owner: TDI	State: NY Sampling Point: CHZ-2 Wet					
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:					
Landform (hillside, terrace, etc.): depression Local	relief (concave, convex, none): concave Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 43-26-04N	Long: 73-27-22W Datum: WGS 84					
Soil Map Unit Name: Hollis-Rock outcrop association (HNC)	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 distur						
Are Vegetation , Soil , or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam						
The solution of the state of th	Thing point locations, transects, important leatures, 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.)						
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 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 of Sediment Deposits (B2) Oxidized Rhizospheres						
Sediment Deposits (B2) Drift Deposits (B3) Sediment Deposits (B2) Presence of Reduced Ir	<u> </u>					
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 Remains)						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes x No Depth (inches)	(<u> </u>					
Water Table Present? Yes x No Depth (inches)						
Saturation Present? Yes x No Depth (inches)	:0 Wetland Hydrology Present? Yes _X No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre						
Describe Recorded Data (stream gauge, monitoring well, aerial priotos, pre	evious inspections), il available:					
Remarks:						

<u>Free Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
. Quercus bicolor	60	Yes	FACW	Number of Partition of Consider		
2. Populus deltoides	15	No	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)		
3. Ulmus americana	10		FACW			
				Total Number of Dominant Species Across All Strata: 3 (B)		
5.						
S				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)		
·				Prevalence Index worksheet:		
	85	=Total Cover		Total % Cover of:Multiply by:		
Sapling/Shrub Stratum (Plot size:15')				OBL species40 x 1 =40		
. Cornus amomum	15	Yes	FACW	FACW species 87 x 2 = 174		
2.				FAC species 25 x 3 = 75		
3.				FACU species 0 x 4 = 0		
<u> </u>				UPL species 0 x 5 = 0		
i.				Column Totals: 152 (A) 289 (B		
				Prevalence Index = B/A = 1.90		
·				Hydrophytic Vegetation Indicators:		
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%		
Carex stricta	10	No	OBL	X 3 - Prevalence Index is ≤3.0 ¹		
2. Carex lacustris	30	Yes	OBL	4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet)		
3. Viburnum dentatum	10	No	FAC			
4. Onoclea sensibilis	2	No	FACW	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:		
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:		
	52	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Noody Vine Stratum (Plot size: 30')		•		Woody vines – All woody vines greater than 3.28 ft in		
·				height.		
2.						
3.				Hydrophytic		
i.		•		Vegetation Present? Yes X No		
·		=Total Cover				
		i otal oovel				

SOIL Sampling Point CHZ-2 Wet

Profile Desc	cription: (Describe t	o the de	pth needed to docu	ment th	ne indica	tor or co	onfirm the absence of indicators.)		
Depth	Matrix		Redox	(Featur	es				
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture Remarks		
0-6	10YR 3/1	100					Sandy		
6-10	10YR 4/1	100					Sandy		
10-20	10YR 5/1	85	10YR 4/6	15	<u>C</u>	_M_	Sandy Prominent redox concentrations		
	<u> </u>								
									
	oncentration, D=Deple	etion, RM	I=Reduced Matrix, M	IS=Mas	ked Sand	d Grains.			
Hydric Soil							Indicators for Problematic Hydric Soils ³ :		
— Histosol			Polyvalue Belo		ce (S8) (I	LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)		
	pipedon (A2)		MLRA 149B)				Coast Prairie Redox (A16) (LRR K, L, R)		
	istic (A3)		? Thin Dark Surfa						
	en Sulfide (A4)		High Chroma S				Polyvalue Below Surface (S8) (LRR K, L)		
	d Layers (A5)		Loamy Mucky I			R K, L)	Thin Dark Surface (S9) (LRR K, L)		
	d Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)		Depleted Matrix	` '			Piedmont Floodplain Soils (F19) (MLRA 149B)		
	/lucky Mineral (S1)		Redox Dark Su				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
	Gleyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)		
	Redox (S5)		Redox Depress	•	8)		Very Shallow Dark Surface (F22)		
	l Matrix (S6)		Marl (F10) (LR l	R K, L)			Other (Explain in Remarks)		
X Dark Su	rface (S7)								
		on and w	etland hydrology mu	st be pr	esent, ur	nless dist	turbed or problematic.		
	Layer (if observed):								
Type:	none)							
Depth (i	nches):						Hydric Soil Present? Yes X No		
Remarks:									
							n 2.0 to include the NRCS Field Indicators of Hydric Soils,		
version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/internet/FS	SE_DOC	JUMENT	S/nrcs 14	12P2_051293.docx)		



Wetland CHZ-2- View facing southwest



Wetland CHZ-2- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Fort Ann/Washington Sampling Date: 11/18/21					
Applicant/Owner: TDI	State: NY Sampling Point: CHZ-2 Upl					
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:					
Landform (hillside, terrace, etc.): flat Local	relief (concave, convex, none): none Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 43-26-04N	Long: 73-27-22W Datum: WGS 84					
Soil Map Unit Name: Hollis-Rock outcrop association (HNC)	NWI classification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distur	· · · · _ · _ · · · · ·					
Are Vegetation , Soil , or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam						
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No X Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No Yes No X	within a Wetland? Yes No _X If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)	ii yee, optional wettand one ib.					
Forested upland.						
Torottod apiana.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) Water-Stained Leaves (I	B9) Drainage Patterns (B10)					
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)					
Sediment Deposits (B2) Oxidized Rhizospheres of						
Drift Deposits (B3) Presence of Reduced Inc.	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)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No x Depth (inches):						
Water Table Present? Yes No x Depth (inches):						
Saturation Present? Yes No x Depth (inches):						
(includes capillary fringe)	Wettalid Hydrology Heselit: 1es NoX					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections) if available:					
Describe Necorded Bata (Stream gauge, monitoring well, acrial priotos, pre	svious inspections), ii uvullusie.					
Remarks:						
Tromano						

Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
60	Yes	FACU	Number of Dessinant Charies
20	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
10	No	FAC	Total Number of Dominant
			Species Across All Strata: 6 (B)
			Description of Description of Control
			Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
			Prevalence Index worksheet:
90	=Total Cover		Total % Cover of: Multiply by:
)			OBL species 0 x 1 = 0
35	Yes	FACU	FACW species 0 x 2 = 0
- ——— 10	Yes	FAC	FAC species 41 x 3 = 123
			FACU species 102 x 4 = 408
			UPL species 0 x 5 = 0
			Column Totals: 143 (A) 531 (B
			Prevalence Index = B/A = 3.71
			Hydrophytic Vegetation Indicators:
	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
2	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
			4 - Morphological Adaptations ¹ (Provide supportin
			data in Remarks or on a separate sheet)
<u> </u>			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
			and greater than or equal to 3.28 ft (1 m) tall.
			Herb – All herbaceous (non-woody) plants, regardles:
8	=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.
			Trongina
			Hydrophytic
	90	90 =Total Cover 90 Total Cover 10 Yes 45 =Total Cover 2 Yes 5 Yes 1 No	60 Yes FACU 20 Yes FAC 10 No FAC

SOIL Sampling Point CHZ-2 Upl

Profile Desci	ription: (Describe t Matrix	o the de		ument t x Featur		ator or co	onfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 3/2	100					Sandy	
4-20	10YR 4/2	70	10YR 5/6	30		<u>—</u>	Sandy	Prominent redox concentrations
4-20	1011(4/2		10110 3/0		_			Tromment redox concentrations
			-					
-								
¹ Type: C=Co	ncentration, D=Depl	etion, RM	1=Reduced Matrix, M	/IS=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	or Problematic Hydric Soils ³ :
Histosol (Polyvalue Belo		ce (S8) (LRR R,		ick (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B	•	\	MUDAA		rairie Redox (A16) (LRR K, L, R)
Black His	มเต (A3) า Sulfide (A4)		Thin Dark Surfa				· —	e Below Surface (S3) (LRR K, L, R)
	Layers (A5)		Loamy Mucky					rk Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			, _,		nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri					nt Floodplain Soils (F19) (MLRA 149B)
Sandy Mi	ucky Mineral (S1)		Redox Dark Su	•	•		Mesic S _l	podic (TA6) (MLRA 144A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark					ent Material (F21)
X Sandy Re			Redox Depress	`	8)			allow Dark Surface (F22)
Stripped Dark Surf			Marl (F10) (LR	K N, L)			Other (E	xplain in Remarks)
Bank Gan	1400 (07)							
³ Indicators of	hydrophytic vegetati	on and w	etland hydrology mu	ıst be pı	esent, ui	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Type: _	none	9						
Depth (in	ches):						Hydric Soil Preser	nt? Yes X No
Remarks: This data form	n is revised from Nor	rthcentra	and Northeast Regi	ional Su	pplemen	t Version	2.0 to include the NR0	CS Field Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)	•



Upland CHZ-2- View facing northeast



Upland CHZ-2- Soils

Segment 3 - Package 2

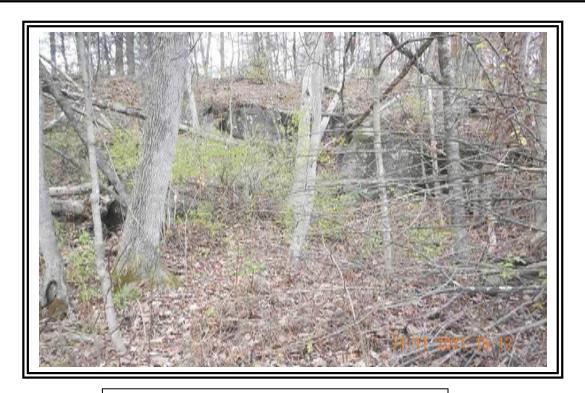
SITE PHOTOGRAPHS

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/11/21					
Applicant/Owner: CHPE	State: NY Sampling Point: GR-Z-Up					
Investigator(s): KW, KS	Section, Township, Range: Fort Edward					
Landform (hillside, terrace, etc.): Hills and Ridges Local	relief (concave, convex, none): Convex Slope %: 5					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43, 25', 42.83"N	Long: 73, 28',05.82W Datum:					
Soil Map Unit Name: Hollis Rock Outcrop	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						
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						
Successional northern nardwoods						
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						
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)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No x Depth (inches): Water Table Present? Yes No x Depth (inches):						
Saturation Present? Yes No x Depth (inches):						
(includes capillary fringe)	wettaild flydrology Flesent? TesNo					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks:						

	Absolute	Dominant	Indicator	Daminanaa Taatuusukahaati
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
Quercus rubra	35	Yes	FACU	Number of Dominant Species
Pinus strobus	10	No No	FACU	That Are OBL, FACW, or FAC: 0 (A)
Acer saccharinum	10	<u>No</u>	FACW	Total Number of Dominant
Fagus grandifolia	5	No	FACU	Species Across All Strata: 3 (B)
Fraxinus americana	5	<u>No</u>	<u>FACU</u>	Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
				Prevalence Index worksheet:
	65	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15')			OBL species x 1 =
Berberis thunbergii	15	Yes	FACU	FACW species x 2 =
Lonicera tatarica	10	Yes	FACU	FAC species x 3 =
				FACU species x 4 =
				UPL species x 5 =
				Column Totals: (A) (B
-	-			Prevalence Index = B/A =
-				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')				2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptations (Provide supportin
				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	-			Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of height.
). 				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb – All herbaceous (non-woody) plants, regardles:
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
				M
oody Vine Stratum (Plot size: 15')			
oody Vine Stratum (Plot size: 15')			woody vines – All woody vines greater than 3.28 ft in height.
oody Vine Stratum (Plot size: 15'				height.
oody Vine Stratum (Plot size: 15'		<u> </u>		height. Hydrophytic Vegetation
oody Vine Stratum (Plot size: 15'		=Total Cover		Hydrophytic

SOIL Sampling Point: GR-Z-Up

		the dep				tor or co	onfirm the absence of in	dicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	es Type ¹	Loc ²	Texture	Remarks
0-7	10YR 3/3		Color (moist)		Туре		Loamy/Clayey	Remarks
7-12	10YR 4/3							
7-12	10110 4/3						Loamy/Clayey	
							_	
·							-	
1- 0.0							2, ,,	
Hydric Soil I	ncentration, D=Deple	tion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.		Problematic Hydric Soils ³ :
Histosol (Polyvalue Belo	w Surfa	ce (S8) (I	LRR R.		(A10) (LRR K, L, MLRA 149B)
	pedon (A2)	•	MLRA 149B		(,(,		e Redox (A16) (LRR K, L, R)
Black His	tic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	49B) 5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)	•	High Chroma S				Polyvalue B	elow Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I			R K, L)		urface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			nese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	•	Depleted Matrix	` '	-6)			loodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1) eyed Matrix (S4)		Redox Dark Su Depleted Dark	•	,			ic (TA6) (MLRA 144A, 145, 149B) Material (F21)
	edox (S5)	•	Redox Depress					w Dark Surface (F22)
	Matrix (S6)	•	Marl (F10) (LR	`	-,			ain in Remarks)
Dark Surf		•		. ,			 ` ` `	,
_								
	hydrophytic vegetatio	on and we	etland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
	ayer (if observed):							
Type: _								
Depth (in	cnes):						Hydric Soil Present?	Yes No <u>X</u>
Remarks:	n is revised from North	hoontral	and Northaget Pagi	ional Su	nnlomont	Vorcion	2.0 to include the NPCS.	Field Indicators of Hydric Soils,
	2015 Errata. (http://wv							rield indicators of riguric soils,
			_	_			· -	



Upland G-R-Z- View facing Northeast



Upland G-R-Z- View facing Southwest

Segment 3 - Package 2

SITE PHOTOGRAPHS

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/11/21					
Applicant/Owner: CHPE	State: NY Sampling Point: GR-Z-Wet					
Investigator(s): KW, KS	Section, Township, Range: Fort Edward					
- ' '	relief (concave, convex, none): Concave Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43,25',42.83"N	Long: 73,28',05.82"W Datum:					
Soil Map Unit Name: Hollis Rock Outcrop	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 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? Wetland Hydrology Present? Yes X No Yes X No	within a Wetland? Yes X No If yes, optional Wetland Site ID:					
	ii yes, optional wetiand site ib.					
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)					
Surface Water (A1) Water-Stained Leaves (E	B9) Drainage Patterns (B10)					
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)						
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (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	ks) Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No X Depth (inches):						
Water Table Present? Yes 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	evious inspections), if available:					
Remarks:						
Tremains.						

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	20	Yes	FACW	
2. Acer rubrum	20	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)
3.				
4.				Total Number of Dominant Species Across All Strata: 8 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:100.0%(A/B)
7				Prevalence Index worksheet:
	40	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 =
1. Alnus incana	15	Yes	FACW	FACW species x 2 =
2. Viburnum lentago	10	Yes	FAC	FAC species x 3 =
3. Lonicera tatarica	5	No	FACU	FACU species x 4 =
4				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. Osmunda regalis	20	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Impatiens capensis	20	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Onoclea sensibilis	15	Yes	FACW	data in Remarks or on a separate sheet)
4. Symplocarpus foetidus	15	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Eutrochium maculatum	10	No	OBL	¹ Indicators of hydric soil and wetland hydrology must
6. Symphyotrichum novae-angliae	10	No	FACW	be present, unless disturbed or problematic.
7. Toxicodendron radicans	5	No	FAC	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
	95	=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 X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			1
	·			

Sampling Point: GR-Z-Wet

SOIL Sampling Point: GR-Z-Wet

		o the de				itor or c	onfirm the absence o	f indicators.)
Depth	Matrix			x Featur		. 2	- .	Б
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-12	7.5YR 4/2	97	7.5YR 4/6	3	С	<u>M</u>	Mucky Loam/Clay	Prominent redox concentrations
								_
								-
							_	
¹ Type: C=Co	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Mu	ıck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast P	rairie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (LRR R	, MLRA	149B) 5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRI	R K, L)	Polyvalu	ie Below Surface (S8) (LRR K, L)
	I Layers (A5)		Loamy Mucky			R K, L)		rk Surface (S9) (LRR K, L)
	l Below Dark Surface	(A11)	Loamy Gleyed		(F2)			nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		X Depleted Matri					nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su	•				podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					ent Material (F21)
	edox (S5)		Redox Depress	,	8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	KK,L)			Other (E	explain in Remarks)
Dark Su	face (S7)							
³ Indicators o	f hydronhytic vegetati	on and w	etland hydrology mi	ist he ni	resent iir	nless dist	turbed or problematic.	
	_ayer (if observed):	on and v	rotana nyarology me	act bo pi	000111, 01	11000 010	The state of problematic.	
Type:								
Depth (ir	nches).						Hydric Soil Prese	nt? Yes X No
							Tryuno con rieser	165 <u>X</u> 166
Remarks:	m is revised from No.	thcentra	and Northeast Pegi	ional Su	nnlement	Version	2.0 to include the NPC	CS Field Indicators of Hydric Soils,
	2015 Errata. (http://w							53 Field Indicators of Frydric Soils,
,	` '		Ū	_			,	



Wetland G-R-Z- View facing West



Wetland G-R-Z- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington S	Sampling Date: <u>11/11/21</u>				
Applicant/Owner: CHPE	State: NY	Sampling Point: GR-AA-Up				
Investigator(s): KW, KS	Section, Township, Range: Fort Edwa	ırd				
-	relief (concave, convex, none): Convex	Slope %: 10				
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',38.77"N	Long: 73°,28',17.21"W	 Datum:				
Soil Map Unit Name: Hollis Rock Outcrop	NWI classification:					
Are climatic / hydrologic conditions on the site typical for this time of year?		plain 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					
Hydric Soil Present? Yes No X	·	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						
Successional northern nardwoods						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (mi	nimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks ((B6)				
Surface Water (A1) Water-Stained Leaves (E	39) Drainage Patterns (B	310)				
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B1	6)				
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Ta	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·					
Sediment Deposits (B2) Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on	Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed I	Plants (D1)				
Algal Mat or Crust (B4) Recent Iron Reduction in						
Iron Deposits (B5) Thin Muck Surface (C7)	<u> </u>					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	ks)Microtopographic Re	lief (D4)				
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D	5)				
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 Charles (Districts 201	Absolute	Dominant	Indicator	Barriago Tantarrado hasta
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Populus deltoides	5	No	<u>FAC</u>	Number of Dominant Species
2. Fraxinus americana	15	Yes	FACU	That Are OBL, FACW, or FAC:1 (A)
3. Quercus rubra	15	Yes	FACU	Total Number of Dominant
4. Ulmus americana	5	No	FACW	Species Across All Strata: 6 (B)
5. Pinus strobus	5	No	FACU	Percent of Dominant Species
6				That Are OBL, FACW, or FAC:16.7% (A/B)
7				Prevalence Index worksheet:
	45	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1. Rhus typhina	15	Yes	UPL	FACW species x 2 =
2. Phalaris arundinacea	5	Yes	FACW	FAC species x 3 =
3. Lonicera tatarica	5	Yes	FACU	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%
Solidago canadensis	40	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
		· 	17100	4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
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
	40	=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
4.				Vegetation Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)	•		
(a. p				

Sampling Point: GR-AA-Up

SOIL Sampling Point: GR-AA-Up

Depth	Matrix		Redo	x Featur	es		nfirm the absence of indic		
(inches)	Color (moist)	%	Color (moist)	%		Loc ²	Texture	Rema	rks
0-3	10YR 4/3	100					Sandy		
3-12	10YR 5/3	100					Loamy/Clayey		
	·								
	·								
	·	 -							
			_						
¹ Type: C=C	oncentration, D=Deple	etion. RM	=Reduced Matrix. N	 IS=Mas	ked Sand (Grains.	² Location: PL=Pore	e Lining, M=Ma	ntrix.
Hydric Soil			,				Indicators for Prol		•
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LF	RR R,	2 cm Muck (A1	0) (LRR K, L, l	MLRA 149B)
	pipedon (A2)		MLRA 149B	•			Coast Prairie R		
	istic (A3)	•	Thin Dark Surf) (LRR K, L, R)
	en Sulfide (A4)	•	High Chroma S				Polyvalue Belo		
	d Layers (A5) d Below Dark Surface	.(Λ11)	Loamy Mucky			K, L)	Thin Dark Surfa		K, L) 2) (LRR K, L, R)
	d Беюw Dark Sunace ark Surface (А12)	(A11)	Loamy Gleyed Depleted Matri		F2)				2) (LKK K, L, K) 19) (MLRA 149B)
	Mucky Mineral (S1)	•	Redox Dark Su		6)				44A, 145, 149B)
	Gleyed Matrix (S4)	•	Depleted Dark				Red Parent Ma		,
	Redox (S5)	•	Redox Depress				Very Shallow D		22)
Stripped	l Matrix (S6)		Marl (F10) (LR	RK,L)			Other (Explain	in Remarks)	
Dark Su	ırface (S7)								
						г			
	£ h		. 41						
³ Indicators o	of hydrophytic vegetation	on and we	etland hydrology mu	ıst be pr	esent, unie	sas uistu	rbed of problematic.		
³ Indicators o	of hydrophytic vegetati Layer (if observed):	on and we	etland hydrology mu	ıst be pr	esent, unie	ess distu	rbed of problematic.		
³ Indicators o Restrictive I Type:	Layer (if observed):	on and we	etland hydrology mu	ıst be pr	esent, uni	sss distu		Yes	No X
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ist be pr	esent, unic	sas distu	Hydric Soil Present?	Yes	NoX
³ Indicators of Restrictive I	Layer (if observed):	on and we	etland hydrology mu	ist be pr	esent, unie	ess distu		Yes	No X
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ust be pr	esent, unie	sss distu		Yes	NoX
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ust be pr	esent, unie	sss distu		Yes	No <u>X</u>
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ist be pr	esent, unie	sss distu		Yes	NoX
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ist be pr	esent, unie	ss distu		Yes	NoX
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ist be pr	esent, unie	ass distu		Yes	No <u>X</u>
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ist be pr	esent, unie	ass distu		Yes	NoX
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ist be pr	esent, unie	ass distu		Yes	
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ist be pr	esent, unie	ass distu		Yes	No X
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ist be pr	esent, unie	ass distu		Yes	NoX
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ist be pr	esent, unie	ass distu		Yes	No <u>X</u>
³ Indicators of Restrictive I Type: Depth (in	Layer (if observed):	on and we	etland hydrology mu	ist be pr	esent, unie	ass distu		Yes	No_X



Upland G-R-AA- View facing South



Upland G-R-AA- View facing Southwest

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/11/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-AA-Wei
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Hills and Ridges Local r	relief (concave, convex, none): Convex Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',38.77"N	Long: 73°,28',17.21"W Datum:
Soil Map Unit Name: Hollis Rock Outcrop	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 problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
	T
Hydrophytic Vegetation Present? Yes X No Yes X No No	Is the Sampled Area within a Wetland? Yes X No
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:
Remarks: (Explain alternative procedures here or in a separate report.)	in you, optional violatile one io.
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 Leaves (E	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 (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	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	3
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes X No Depth (inches):	1 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:
1. Acer rubrum	10	Yes	FAC	
Fraxinus pennsylvanica	5	No	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)
3. Ulmus americana	5	No No	FACW	
4. Acer negundo	10	Yes	FAC	Total Number of Dominant Species Across All Strata: 8 (B)
5. Populus deltoides	10	Yes	FAC	``
6. Carya ovata	5	No	FACU	Percent of Dominant Species That Are OBL, FACW, or FAC: 87.5% (A/B)
7.				Prevalence Index worksheet:
	45	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species x 1 =
1. Lonicera tatarica	20	Yes	FACU	FACW species x 2 =
2. Alnus incana	5	Yes	FACW	FAC species x 3 =
3.		· <u></u>		FACU species x 4 =
4.	•	· <u></u>		UPL species x 5 =
5.		· <u></u>		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. Lythrum salicaria	15	Yes	OBL	3 - Prevalence Index is ≤3.0¹
2. Phalaris arundinacea	5	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Onoclea sensibilis	10	Yes	FACW	data in Remarks or on a separate sheet)
4. Solidago canadensis	15	Yes	FAC	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
	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: GR-AA-Wet

SOIL Sampling Point: GR-AA-Wet

Profile Desc	cription: (Describe t	to the de	pth needed to docu	ıment t	he indica	itor or c	onfirm the absence o	f indicators.)
Depth	Matrix			x Featu	res			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	5YR 4/1	97	10YR 5/6	3	С	М	Mucky Loam/Clay	Prominent redox concentrations
								_
-								
1 _{Tymax} C=C	anaantration D=Dani	leties DA	4-Daduaad Matrix N				² L coetion: D	U - Dava Lining M-Matrix
Hydric Soil	oncentration, D=Depl	ellon, Riv	/i-Reduced Matrix, N	15-Mas	skeu Sand	Grains		L=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	re (S8) (I	RRR		ick (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		MLRA 149B		(00) (1	LIXIX IX,		rairie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa	•) (LRR R	. MLRA		icky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S					ie Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky I					rk Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed			,		nganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		X Depleted Matri				Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
Sandy N	lucky Mineral (S1)		Redox Dark Su	ırface (F	- 6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Par	ent Material (F21)
Sandy F	Redox (S5)		Redox Depress		8)			allow Dark Surface (F22)
	l Matrix (S6)		Marl (F10) (LR	RK, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
3								
			vetland hydrology mu	ist be p	resent, ur	nless dis	turbed or problematic.	
	Layer (if observed):							
Type:								
Depth (i	nches):						Hydric Soil Prese	nt? Yes X No
Remarks:								
	m is revised from No 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (IIIIp.//w	/www.iiics	usua.gov/internet/F3	DU(SOMEMI	3/1110512	+2p2_051295.d0cx)	



Wetland G-R-AA- View facing West



Wetland G-R-AA- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/11/21					
Applicant/Owner: CHPE	State: NY Sampling Point: GR-BB-Up					
Investigator(s): KW, KS	Section, Township, Range: Fort Edward					
Landform (hillside, terrace, etc.): Hills and Ridges Local	relief (concave, convex, none): Convex Slope %: 10					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',36.21"N	Long: 73°,28',24.15"W Datum:					
Soil Map Unit Name: Hollis Rock Outcrop	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 disturl						
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.)						
Successional northern hardwoods						
L 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) And Deposits (B15)	Moss Trim Lines (B16) Dry-Season Water Table (C2)					
Saturation (A3) Marl Deposits (B15) Water Marks (B1)	Crayfish Burrows (C8)					
Water Marks (B1) Hydrogen Sulfide Odor (Sodiment Densite (B2) Ovidized Phizophores	· · · · · · · · · · · · · · · · · · ·					
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 Remar Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)					
Field Observations:						
: ` ` ′						
Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches):						
(includes capillary fringe)	wettalid flydfology Fresent: resNo					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	avious inspections) if available:					
Boother Noorland Bata (officially gauge, monitoring won, definit process, pro	wiede inspectation, in available.					
Remarks:						

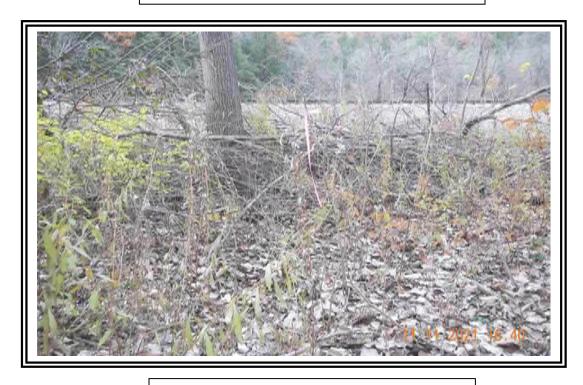
<u>Free Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
. Carya ovata	76 COVE	Yes	FACU	Dominance Test worksneet.
Acer saccharum	25	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Populus deltoides	25	Yes	FAC	
Quercus rubra	5	No	FACU	Total Number of Dominant Species Across All Strata: 5 (B)
Quercus rubra			1700	
				Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B
		· ——		Prevalence Index worksheet:
·	70	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15'	,	Total Covol		OBL species x 1 =
Lanicara tatariaa	, 15	Yes	FACU	FACW species x 2 =
	<u> </u>		17100	FAC species x 3 =
				<u> </u>
				FACU species x 4 = UPL species x 5 =
		· ——		Column Totals: (A) (E
	-			Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
orb Stratum (Plat aiza: 5')		- Total Cover		2 - Dominance Test is >50%
erb Stratum (Plot size: 5') Solidago canadensis	25	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
		162	FACO	4 - Morphological Adaptations ¹ (Provide supporti
·				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
·				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
·				Definitions of Vegetation Strata:
	· · · · · · · · · · · · · · · · · · ·			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of 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	 25	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles
loody Vino Stratum (Diet size) 151		- 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 No X
		=Total Cover		

SOIL Sampling Point: GR-BB-Up

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Loamy/Clayey	Depth	Matrix	o the de		x Featur		ונטו טו כנ	onfirm the absence of indic	ators.)	
*Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. **Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Histosol (A1)		Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	rks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Histosol (A1) Histic Epipedion (A2) Black Histic (A3) High Chroma Sands (S11) (LRR R, L) High Chroma Sands (S11) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Loamy Mileyed Matrix (F3) Sandy Mucky Mineral (F1) Sandy Gleyed Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (A12) Pepleted Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Redox Dark Surface (A12) Sandy Redox (S5) Redox Dark Surface (F7) Redox Dark Surface (F7) Redox Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Marl (F10) (LRR K, L) Dark Surface (F7) Sitripped Matrix (S6) Dark Surface (F7) Marl (F10) (LRR K, L) Marl (F10) (LRR K, L) Dark Surface (F7) Sitripped Matrix (S6) Marl (F10) (LRR K, L) Marl (F10) (LRR K, L) Marl (F10) (LRR K, L) Meric Soil Present? Hydric Soil Present? Yes No X	0-6	10YR 5/3	100					Loamy/Clayey		
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Matrix (F3) Peleted Matrix (F3) Peleted Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Hydric Soil Present? Wes_ No_ X Hydric Soil Present? Hydric Soil Present? Yes_ No_ X	6-12	10YR 4/4	100					Loamy/Clayey		
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Histosol (A1)	¹ Type: C=Co	oncentration, D=Depl	etion, RN	1=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=Por	e Lining, M=Ma	ıtrix.
Histic Epipedon (A2) 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) 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) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sourd Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 149B) Marl (F10) (LRR K, L) Depleted Dark Surface (F7) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 149B) Marl (F10) (LRR K, L) Depleted Dark Surface (F7) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 149B) Marl (F10) (LRR K, L) Hydric Soil Present? Yes No X	-					(00) (-	
Black Histic (A3)						ce (S8) (LKK K,			
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Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) 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 No X					` '			Piedmont Floo	dplain Soils (F1	9) (MLRA 149B)
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) 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 No X										44A, 145, 149B)
Stripped Matrix (S6)										00)
Dark Surface (S7) 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 X						8)				22)
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 No X				Mail (F10) (LR	K N, L)			Other (Explain	in Remarks)	
Restrictive Layer (if observed): Type:	Bank Gan	11400 (07)								
Type:	³ Indicators o	f hydrophytic vegetati	on and w	/etland hydrology mι	ust be pr	esent, ur	nless dist	urbed or problematic.		
Depth (inches): Hydric Soil Present? Yes No X		Layer (if observed):								
	•									
Remarks:	Depth (ir	nches):						Hydric Soil Present?	Yes	No <u>X</u>
	Remarks:									



Upland G-R-BB- View facing West



Upland G-R-BB- View facing South

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/11/21						
Applicant/Owner: CHPE	State: NY Sampling Point: GR-BB-Wet						
Investigator(s): KW, KS	Section, Township, Range: Fort Edward						
Landform (hillside, terrace, etc.): Hills and Ridges Local	relief (concave, convex, none): Convex Slope %: 0						
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',36.21"N	Long: 73°,28',24.15"W Datum:						
Soil Map Unit Name: Hollis Rock Outcrop	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 problems							
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)							
Red maple hardwood swamp							
HYDROLOGY							
	Cocondary Indicators (minimum of two required)						
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)						
Surface Water (A1) X Water-Stained Leaves (I							
High Water Table (A2) A water-Stalled Leaves (i	X Moss Trim Lines (B16)						
X Saturation (A3) 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 of	· · · · · · · · · · · · · · · · · · ·						
Drift Deposits (B3) Presence of Reduced Iron							
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:	X The Hould Fest (50)						
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)	:3 Wetland Hydrology Present? Yes _X No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre							
Bosonibe Necestaed Batta (enclair gauge, monitoring won, dental priotoc, pro	Trodo inopositorio), il avallabio.						
Remarks:							

Troe Stratum (Plot size: 20')	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30')		Species?	Status	Dominance Test worksheet:
Populus deltoides	25 20	Yes	FAC	Number of Dominant Species That Are OBL. FACW. or FAC: 6 (A)
2. Fraxinus pennsylvanica		Yes	FACW	That Are OBL, FACW, or FAC: 6 (A)
3. Ulmus americana4.	5	No	FACW	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.				Prevalence Index worksheet:
	50	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1. Lonicera tatarica	15	Yes	FACU	FACW species x 2 =
2. Alnus incana	5	Yes	FACW	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	5	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
Phalaris arundinacea	5	Yes	FACW	4 - Morphological Adaptations (Provide supporting
3. Onoclea sensibilis	5	Yes	FACW	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				<u> </u>
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				_
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
1.				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			•

Sampling Point: GR-BB-Wet

SOIL Sampling Point: GR-BB-Wet

Profile Des	cription: (Describe	to the de	oth needed to docu	ıment t	he indica	tor or c	onfirm the absence o	f indicators.)
Depth	Matrix			x Featur	es			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 4/2	100						
8-14	10YR 5/1	97	10YR 5/6	3	<u> </u>	M	Mucky Loam/Clay	Prominent redox concentrations
		_		<u> </u>	<u> </u>	_		
						_		
						_		
¹ Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.
Black H Hydroge Stratifie Deplete Thick D Sandy P Sandy F Stripped Dark Su	I (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7)	tion and w	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I 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 (F R K, L)	(LRR R 611) (LRI (F1) (LRI (F2) (F6) (F7) 8)	, MLRA R K, L) R K, L)	2 cm Mt Coast P 149B) 5 cm Mt Polyvalu Thin Dat Iron-Mat Piedmor Mesic S Red Par Very Sh	or Problematic Hydric Soils ³ : cick (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) cicky 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) at Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B) tent Material (F21) allow Dark Surface (F22) explain in Remarks)
Type: Depth (i							Hydric Soil Prese	nt? Yes X No
Remarks: This data fo	·						2.0 to include the NR0	CS Field Indicators of Hydric Soils,



Wetland G-R-BB- View facing North



Wetland G-R-BB- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/15/21					
Applicant/Owner: CHPE	State: NY Sampling Point: GR-CC-Up					
Investigator(s): KW, KS	Section, Township, Range: Fort Edward					
Landform (hillside, terrace, etc.): Hills and Ridges Local	relief (concave, convex, none): Convex Slope %: 5					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',34.28"N	Long: 73°,28',30.75"W Datum:					
Soil Map Unit Name: Hollis Rock Outcrop	NWI classification: None					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
3, 0						
Are Vegetation, Soil, or Hydrologysignificantly disturble Are Vegetation, Soil, or Hydrologynaturally problems						
 -						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes 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 shrubland						
HYDROLOGY						
	Cooper down ledicators (minimum of true as suited)					
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 (B	Surface Soil Cracks (B6) B9) Drainage Patterns (B10)					
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3) Aduatic Faulia (B13) Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres of						
Drift Deposits (B3) Presence of Reduced Iro	<u> </u>					
Algal Mat or Crust (B4) Recent Iron Reduction in						
Iron Deposits (B5) Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	· · · · · · · · · · · · · · · · · · ·					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No X Depth (inches):						
Water Table Present? Yes No X Depth (inches):						
Saturation Present? Yes No X Depth (inches):						
(includes capillary fringe)	Wetland flydrology Fresent: Tes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre						
Boother Noorland Bata (officially gauge, monitoring work, definit process, pro	wiede inspections), it dvalidate.					
Remarks:						

ree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
Quercus rubra	15	Yes	FACU	Number of Dominant Species		
. Acer rubrum	15	Yes	FAC	That Are OBL, FACW, or FAC: 3 (A)		
Populus deltoides	10	Yes	FAC	Total Number of Dominant		
Acer negundo	10	Yes	FAC	Species Across All Strata: 8 (B)		
				Percent of Dominant Species		
				That Are OBL, FACW, or FAC: 37.5% (A/B)		
				Prevalence Index worksheet:		
	50	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15')			OBL species x 1 =		
Lonicera tatarica	30	Yes	FACU	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:		
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
lerb Stratum (Plot size: 5')				2 - Dominance Test is >50%		
 . Alliaria petiolata	5	No	FACU	3 - Prevalence Index is ≤3.0 ¹		
. Solidago canadensis	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supportin		
. Hackelia virginiana	20	Yes	FACU	data in Remarks or on a separate sheet)		
. Setaria faberi	25	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)		
·				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
<u></u>				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.				Hards All banks as a conference of the control of t		
	70	=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: 15')			Manda since All woods since greater than 2.29 ft is		
·				Woody vines – All woody vines greater than 3.28 ft in height.		
				Hydrophytic		
				Vegetation Present? Yes No X		
•				<u> </u>		

SOIL Sampling Point: GR-CC-Up

(inches) Color (n	<u> </u>	Color (moist)	% Type ¹		Texture my/Clayey	Remar	KS
0-12 10YR	5/2 100			Loa	my/Clayey		
							
			— — -				
							
Type: C=Concentration	D=Depletion RM	M=Reduced Matrix M	IS=Masked Sand (Grains	² Location: PL=Pore	Lining M=Ma	riv
Hydric Soil Indicators:	B Bepletion, The	T Troudoca Watrix, W	O Masked Sand C	oranio.	Indicators for Probl		
Histosol (A1)		Polyvalue Belo	w Surface (S8) (LF	RR R,	2 cm Muck (A10)	-	
Histic Epipedon (A2)		MLRA 149B)		,	Coast Prairie Re		
Black Histic (A3)		Thin Dark Surfa	ace (S9) (LRR R, N	/ILRA 149B)	5 cm Mucky Pea	t or Peat (S3)	(LRR K, L, R)
Hydrogen Sulfide (A	!)	High Chroma S	ands (S11) (LRR I	۲, L)	Polyvalue Below	Surface (S8)	(LRR K, L)
Stratified Layers (A5		Loamy Mucky I	Mineral (F1) (LRR l	K, L)	Thin Dark Surfac	ce (S9) (LRR I	(, L)
Depleted Below Dark	Surface (A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganese		
Thick Dark Surface (Depleted Matrix			Piedmont Floodp		
Sandy Mucky Minera		Redox Dark Su			Mesic Spodic (T/		4A, 145, 149B)
Sandy Gleyed Matrix	(S4)	Depleted Dark			Red Parent Mate		
Sandy Redox (S5)		Redox Depress			Very Shallow Da		22)
Stripped Matrix (S6)		Marl (F10) (LR l	₹ K, L)		Other (Explain in	i Remarks)	
Dark Surface (S7)							
³ Indicators of hydrophytic	vegetation and w	vetland hydrology mu	est he present linle	es disturbed (or problematic		
Restrictive Layer (if obs		rottaria iryarology ilia	ot bo procent, arms	loo diotarboa (or problemane.		
Type:	,.						
Depth (inches):				Hve	dric Soil Present?	Yes	No_X
				11,3	and don't resent.		<u> </u>
Remarks:							



Upland G-R-CC- View facing Northeast



Upland G-R-CC-View facing West

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

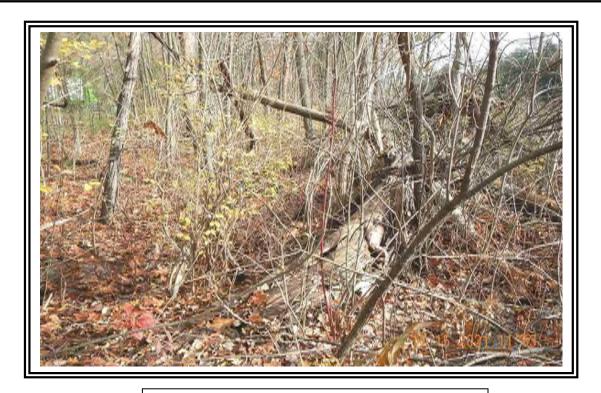
Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/15/21				
Applicant/Owner: CHPE	State: NY Sampling Point: GR-CC-Wet				
Investigator(s): KW, KS	Section, Township, Range: Fort Edward				
· · · ·	relief (concave, convex, none): Convex Slope %: 0				
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',34.28"N	Long: 73°,28',30,75"W Datum:				
Soil Map Unit Name: Hollis Rock Outcrop	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 problema					
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.) 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 Leaves (E	39) X Drainage Patterns (B10)				
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					
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)	<u> </u>				
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark					
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes X No Depth (inches):	2				
Water Table Present? Yes No _X Depth (inches):					
Saturation Present? Yes X No Depth (inches):	5 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:		
1. Acer negundo	25	Yes	FAC			
Fraxinus pennsylvanica	20	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)		
3. Ulmus americana	10	No	FACW			
4. Acer rubrum	10	No	FAC	Total Number of Dominant Species Across All Strata: 7 (B)		
5. Populus deltoides	10	No	FAC	``		
6. Quercus rubra	5	No	FACU	Percent of Dominant Species That Are OBL, FACW, or FAC: 85.7% (A/B)		
7.				Prevalence Index worksheet:		
·	80	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =		
1. Cornus racemosa	15	Yes	FAC	FACW species x 2 =		
2, Alnus incana	5	No	FACW	FAC species x 3 =		
3. Lonicera tatarica	15	Yes	FACU	FACU species x 4 =		
4. Viburnum lentago	10	Yes	FAC	UPL species x 5 =		
5.				Column Totals: (A) (B)		
6.				Prevalence Index = B/A =		
7.				Hydrophytic Vegetation Indicators:		
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%		
1. Onoclea sensibilis	20	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹		
2. Lysimachia nummularia	10	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting		
3.				data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)		
4.						
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		
	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				height.		
2				Hydrophytic		
3				Vegetation		
4				Present?		
		=Total Cover				
Remarks: (Include photo numbers here or on a separate	ate sheet.)					

Sampling Point: GR-CC-Wet

SOIL Sampling Point: GR-CC-Wet

		o the de				itor or c	onfirm the absence of	f indicators.)
Depth	Matrix	0/		r Featur		12	T	Dawaada
(inches)	Color (moist)	<u></u> %	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 5/2	97	10YR 5/6	3	С	<u>M</u>	Mucky Loam/Clay	Prominent redox concentrations
								_
								_
1Type: C=C	oncentration, D=Depl	etion PN	I-Peduced Matrix M		ked Sand		² l ocation: P	L=Pore Lining, M=Matrix.
Hydric Soil		ellon, Kiv	I-Reduced Matrix, IV	IS-IVIAS	Keu Sanc	diams.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RRR		ick (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B)		00 (00) (1	LIKIK IK,		rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa		(LRR R	MLRA		icky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I					rk Surface (S9) (LRR K, L)
	l Below Dark Surface	(A11)	Loamy Gleyed			, ,		nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	` ,	X Depleted Matrix		,			nt Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su		⁻ 6)			podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	ent Material (F21)
Sandy R	edox (S5)		Redox Depress	ions (F	8)		Very Sha	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR l	R K, L)			Other (E	xplain in Remarks)
Dark Sui	face (S7)							
_								
³ Indicators of	hydrophytic vegetati	on and w	etland hydrology mu	ist be pr	esent, ur	nless dist	turbed or problematic.	
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Presei	nt? Yes X No
Remarks:							•	
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	l2p2_051293.docx)	



Wetland G-R-CC- View facing Northeast



Wetland G-R-CC- 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 2	Cit	ty/County: Fort Ann / Washington C	ounty Sampling Date: 05/25/22			
Applicant/Owner: TDI		State:	NY Sampling Point: WET P2-CC2-D			
Investigator(s): C. Scrivner and K. Weiskotte	n	Section, Township, Range:				
Landform (hillside, terrace, etc.): Depression	n Local relie	of (concave, convex, none): Concav	e Slope %:2			
Subregion (LRR or MLRA): LRR R	Lat: 43.42648	Long: -73.47478	Datum: WGS 84			
Soil Map Unit Name: Hollis-Rock outcrop as:	sociation, gently sloping and slopi	ng (HNC) NWI classific	cation: PEM1			
Are climatic / hydrologic conditions on the site	typical for this time of year?	Yes X No	(If no, explain in Remarks.)			
Are Vegetation, Soil, or Hydro	logysignificantly disturbed	? Are "Normal Circumstances	s" present? Yes X No			
Are Vegetation, Soil, or Hydro	·		wers in Remarks.)			
SUMMARY OF FINDINGS – Attach	· · · · · · · · · · · · · · · · · · ·					
Hydrophytic Vegetation Present?	Yes X No I	s the Sampled Area				
Hydric Soil Present?			X No			
Wetland Hydrology Present?		f yes, optional Wetland Site ID: N				
Remarks: (Explain alternative procedures he Shallow emergent marsh.	ere or in a separate report.)					
HYDROLOGY						
		0				
Wetland Hydrology Indicators:		<u>- </u>	ators (minimum of two required)			
Primary Indicators (minimum of one is require	••••		Cracks (B6)			
X Surface Water (A1)	X Water-Stained Leaves (B9)	Drainage Pa				
X High Water Table (A2) X Saturation (A3)	Aquatic Fauna (B13) Marl Deposits (B15)		Moss Trim Lines (B16) Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on L					
Drift Deposits (B3)	Presence of Reduced Iron (6	· · · · —	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Till					
Iron Deposits (B5)	Thin Muck Surface (C7)	• • • • • • • • • • • • • • • • • • • •	Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7			Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B		X FAC-Neutral	, ,			
Field Observations:			_			
Surface Water Present? Yes X	No Depth (inches):	6				
Water Table Present? Yes X		0				
Saturation Present? Yes X		0 Wetland Hydrology Pres	sent? Yes X No			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previou	us inspections), if available:				
Remarks:			_			

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
2.		·		Number of Dominant Species That Are OBL, FACW, or FAC: (A)		
3. 4.				Total Number of Dominant Species Across All Strata: (B)		
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)		
7				Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:15')				OBL species 98 x 1 = 98		
Fraxinus pennsylvanica	5	Yes	FACW	FACW species 5 x 2 = 10		
2.				FAC species 2 x 3 = 6		
3.				FACU species 0 x 4 = 0		
4.				UPL species 0 x 5 = 0		
5.		<u> </u>		Column Totals: (A) (B)		
6.				Prevalence Index = B/A = 1.09		
7				Hydrophytic Vegetation Indicators:		
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%		
Typha angustifolia	95	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹		
2. Lythrum salicaria	3	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting		
3. Equisetum arvense	2	No	FAC	data in Remarks or on a separate sheet)		
4.				Problematic Hydrophytic Vegetation ¹ (Explain)		
5.				The disease of budging and weathered budgets are accepted.		
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.		
11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12				Herb – All herbaceous (non-woody) plants, regardless		
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size: 30') 1.		•		Woody vines – All woody vines greater than 3.28 ft in height.		
				noight.		
2				Hydrophytic		
3.		· ——		Vegetation No. No.		
4.				Present?		
		=Total Cover				
Remarks: (Include photo numbers here or on a separa	ate sheet.)					

Sampling Point: WET P2-CC2-D

SOIL Sampling Point: WET P2-CC2-D

		o the dep				or or co	nfirm the absence of inc	dicators.)		
Depth	Matrix			x Featur						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
	ncentration, D=Deple	etion, RM	Reduced Matrix, M	S=Mask	ed Sand (Grains.		Pore Lining, M=Matrix.		
Hydric Soil I								Problematic Hydric Soils ³ :		
Histosol			Dark Surface ((A10) (LRR K, L, MLRA 149B)		
	ipedon (A2)		Polyvalue Belo		ce (S8) (L	RR R,		ie Redox (A16) (LRR K, L, R)		
Black His	, ,		MLRA 149B	•				y Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		Thin Dark Surfa					Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		High Chroma S	Sands (S	11) (LRR	K, L)	Thin Dark S	Surface (S9) (LRR K, L)		
Depleted	Below Dark Surface	(A11)	Loamy Mucky I	Mineral ((F1) (LRR	K, L)	Iron-Manga	anese Masses (F12) (LRR K, L, R)		
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F	F2)		Piedmont F	Floodplain Soils (F19) (MLRA 149B)		
Mesic Sp	odic (A17)		Depleted Matri	x (F3)				Material (F21) (outside MLRA 145)		
(MLR	A 144A, 145, 149B)		Redox Dark Su	ırface (F	6)			ow Dark Surface (F22)		
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		X Other (Expl	lain in Remarks)		
Sandy G	eyed Matrix (S4)		Redox Depress	sions (F8	3)					
Sandy Re	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 disturbed or problematic.			
Restrictive L	ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Present?	Yes X No		
Remarks:										
	n due to having stan	ding wate	r (~6 inches) and be	ing dom	inated by	OBL and	d FACW species.			
	· ·	Ü	,	Ü	·		·			



Wetland P2-CC2-D- View facing southeast



Wetland P2-CC2-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 2	City/Count	y: Fort Ann / Washington County	Sampling Date: 05/25/22					
Applicant/Owner: TDI		State: NY	Sampling Point: UPL P2-CC2-E					
Investigator(s): C. Scrivner and K. Weiskotten	S	ection, Township, Range:						
Landform (hillside, terrace, etc.): Hillslope		ave, convex, none): Convex	Slope %: 5					
· · · · · · · · · · · · · · · · · · ·	43.42651	Long: -73.47481	 Datum: WGS 84					
Soil Map Unit Name: Hollis-Rock outcrop association, g			NA					
Are climatic / hydrologic conditions on the site typical for t	his time of year?	Yes X No (If no, e	explain in Remarks.)					
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" prese	ent? Yes X No					
Are Vegetation, Soil, or Hydrology	_ '	(If needed, explain any answers in	Remarks.)					
SUMMARY OF FINDINGS – Attach site map	_		•					
 [
Hydrophytic Vegetation Present? Yes		ampled Area	N V					
Hydric Soil Present? Yes		Wetland? Yes	No X					
Wetland Hydrology Present? Yes	No X If yes, or	otional Wetland Site ID:						
HYDROLOGY								
Wetland Hydrology Indicators:		Secondary Indicators (m	ninimum of two required)					
Primary Indicators (minimum of one is required; check a	III that apply)	Surface Soil Cracks	(B6)					
Surface Water (A1) Wate	er-Stained Leaves (B9)	Drainage Patterns (B10)						
High Water Table (A2) Aqua	tic Fauna (B13)	Moss Trim Lines (B16)						
Saturation (A3) Marl	Deposits (B15)	Dry-Season Water Table (C2)						
Water Marks (B1) Hydro	ogen Sulfide Odor (C1)	or (C1) Crayfish Burrows (C8)						
Sediment Deposits (B2) Oxidi	zed Rhizospheres on Living Ro	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3) Prese	ence of Reduced Iron (C4)	Stunted or Stressed	Plants (D1)					
Algal Mat or Crust (B4)	ent Iron Reduction in Tilled Soils	Geomorphic Positio	n (D2)					
Iron Deposits (B5)Thin	Muck Surface (C7)	Shallow Aquitard (D	3)					
Inundation Visible on Aerial Imagery (B7)Othe	r (Explain in Remarks)	Microtopographic Re	elief (D4)					
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (I	D5)					
Field Observations:								
Surface Water Present? Yes No _X								
Water Table Present? Yes No _X	Depth (inches):							
Saturation Present? Yes No _X	Depth (inches):	Wetland Hydrology Present?	Yes NoX					
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well	I, aerial photos, previous inspe	ctions), if available:						
Remarks:			-					

<u>Tree Stratum</u> (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
2.		·		Number of Dominant Species That Are OBL, FACW, or FAC:	(A)			
3				Total Number of Dominant Species Across All Strata:	(B)			
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:	0.0% (A/B)			
7.				Prevalence Index worksheet:				
		=Total Cover		Total % Cover of:	Multiply by:			
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0	x 1 =0			
1.				FACW species 0	x 2 =0			
2				FAC species 0	x 3 =0			
3				FACU species50	x 4 =200			
4.				UPL species 45	x 5 = 225			
5.				Column Totals: 95	(A) 425 (B)			
6.				Prevalence Index = B/A	= 4.47			
7.				Hydrophytic Vegetation Indica	ntors:			
		=Total Cover		1 - Rapid Test for Hydrophy	tic Vegetation			
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%	6			
1. Lotus corniculatus	35	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹				
Taraxacum officinale	15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting				
3. Artemisia vulgaris	15	Yes	UPL	data in Remarks or on a separate sheet)				
4. Asclepias syriaca	15	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)				
5. Daucus carota	10	No	UPL					
6. Leucanthemum vulgare	5	No	UPL	 ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 				
7.				Definitions of Vegetation Strata:				
8.				Tree Meady plants 2 in 77 Ca				
9.				Tree – Woody plants 3 in. (7.6 c at breast height (DBH), regardle				
11.				Sapling/shrub – Woody plants and greater than or equal to 3.2				
12				Herb – All herbaceous (non-woo	odv) plants, regardless			
	95	=Total Cover		of size, and woody plants less th				
Woody Vine Stratum (Plot size: 30') 1.				Woody vines – All woody vines height.	greater than 3.28 ft in			
2.								
3.				Hydrophytic				
4.				Vegetation Present? Yes	No X			
		=Total Cover						
Remarks: (Include photo numbers here or on a separa	ate sheet.)							

Sampling Point: UPL P2-CC2-D

SOIL Sampling Point: UPL P2-CC2-D

Profile Desc Depth	ription: (Describe t Matrix	to the de		ment the x Feature		or or co	nfirm the absence of indica	ors.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	ırks	
0-8	10YR 2/1	100					Loamy/Clayey			
8-11	2.5Y 5/1	100					Loamy/Clayey			
	2.01 0/1	100					Louiny, Glayey			
		. ——								
		·								
	-	· ——								
		etion, RM	I=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL=Pore			
Hydric Soil I			Dark Surface (C7 \			Indicators for Prob 2 cm Muck (A1	-		aP)
	ipedon (A2)				e (S8) (I	RR R	Coast Prairie R			
Black His			Polyvalue Below Surface (S8) (LRR R, MLRA 149B)				5 cm Mucky Pe			
	n Sulfide (A4)		Thin Dark Surf	,	(LRR R,	MLRA 1		•		
Stratified	Layers (A5)		High Chroma S	Sands (S	11) (LRF	k K, L)	Thin Dark Surfa	ice (S9) (LRR	K , L)	
Depleted	Below Dark Surface	e (A11)	Loamy Mucky Mineral (F1) (LRR K, L)				Iron-Manganes	e Masses (F12	2) (LRR K,	, L, R)
	rk Surface (A12)		Loamy Gleyed Matrix (F2)				Piedmont Floor		, ,	
	odic (A17)		Depleted Matri				Red Parent Ma			RA 145)
•	A 144A, 145, 149B)		Redox Dark Su				Very Shallow D		22)	
	ucky Mineral (S1) leyed Matrix (S4)		Depleted Dark Redox Depres				Other (Explain	n Remarks)		
			Marl (F10) (LR))		³ Indicators of hy	drophytic ved	etation and	d
Sandy Redox (S5) Stripped Matrix (S6)		Red Parent Ma		21) (MLR	A 145)	wetland hydrology must be present,				
			·	, ,	·	unless disturbed or problematic.				
Restrictive L	ayer (if observed):									
Type:	Rock/road sh	nouolder 1	ill							
Depth (in	ches):	11					Hydric Soil Present?	Yes	No _	Χ
Remarks:							•			



Upland P2-CC2-D- View facing south/southwest



Upland P2-CC2-D- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

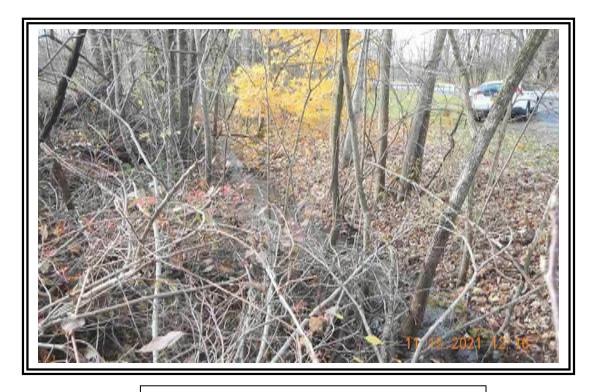
WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/15/21						
Applicant/Owner: CHPE	State: NY Sampling Point: GR-DD-Up						
Investigator(s): KW, KS	Section, Township, Range: Fort Edward						
Landform (hillside, terrace, etc.): Toeslopes Local r	relief (concave, convex, none): Concave Slope %: 5						
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',28.46"N	Long: 73°,28',50.72"W Datum:						
Soil Map Unit Name: Limerick Silt Loam and Hollis Rock Outcrop	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.)							
Successional shrubland							
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							
Drift Deposits (B3) Presence of Reduced Iro	ron (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4) Recent Iron Reduction in	n in Tilled Soils (C6) Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7)	7) 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, pre-	vious inspections), if available:						
Remarks:							
Tro-mario.							

Constitute (District	Absolute	Dominant	Indicator	Barriago Tark
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
Acer rubrum	15	Yes	<u>FAC</u>	Number of Dominant Species
Quercus rubra	5	Yes	FACU	That Are OBL, FACW, or FAC:(A)
	_			Total Number of Dominant
				Species Across All Strata: 6 (B)
	_			Percent of Dominant Species
· <u></u>	_			That Are OBL, FACW, or FAC:16.7% (A/E
				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of:Multiply by:
apling/Shrub Stratum (Plot size: 15')			OBL species x 1 =
Lonicera tatarica	20	Yes	FACU	FACW species x 2 =
				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
out Otuations (Distriction 51		- Total Cover		
erb Stratum (Plot size: 5')	-	A. 1	E4011	2 - Dominance Test is >50%
Polystichum acrostichoides Berberis thunbergii	5	No No	FACU	3 - Prevalence Index is ≤3.0 ¹
Berberis thunbergii	15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet)
Solidago canadensis	10	Yes	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
I				and greater than or equal to 3.28 ft (1 m) tall.
<u>2.</u>				Herb – All herbaceous (non-woody) plants, regardles
	30	=Total Cover		of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size: 15')	_		Was designed Allert designed and the COO fi
Celastrus orbiculatus	25	Yes	UPL	Woody vines – All woody vines greater than 3.28 ft height.
	_			Hydrophytic
				Vegetation Present? Yes No X
		-T-t-l C		Present?
	25	=Total Cover		

SOIL Sampling Point: GR-DD-Up

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Loamy/Clayey	Depth	Matrix	o the de		x Featur		ונטו טו כנ	onfirm the absence of indic	ators.)	
"Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. "Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) Thin Dark Surface (S9) (LRR R, L) Polyvalue Below Surface (S9) (LRR R, L) Polyvalue Below Surface (S9) (LRR R, L) Thin Dark Surface (S9) (LRR R, L) Polyvalue Below Surface (S9) (LRR R, L) Polyvalue Below Surface (S9) (LRR R, L) Polyvalue Below Surface (S9) (LRR K, L) Polyvalue		Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	ks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Histosol (A1) Histic Epipedion (A2) Black Histic (A3) High Chroma Sands (S1) (LRR R, L) High Chroma Sands (S1) (LRR K, L) Polyvalue Below Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Redox Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Depleted Dark Surface (F7) Sitripped Matrix (S6) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No X	0-4	10YR 4/1	100					Loamy/Clayey		
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Matrix (F3) Peleted Matrix (F3) Peleted Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Hydric Soil Present? Wes_ No_ X Hydric Soil Present? Hydric Soil Present? Yes_ No_ X	4-12	10YR 4/3	100					Loamy/Clayey		
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Below Dark Surface (A12) Depleted Dark Surface (F6) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Below Dark Surface (F22) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Below Dark Surface (F22) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Below Dark Surface (F22) Stripped Matrix (S6) Below Dark Surface (F22) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Below Dark Surface (F22) Stripped Matrix (S6) Below Dark Surface (S7) Marl (F10) (LRR K, L) Below Dark Surface (F22) Stripped Matrix (S6) Below Dark Surface (S7) Marl (F10) (LRR K, L) Below Dark Surface (F22) Stripped Matrix (S6) Below Dark Surface (S7) Marl (F10) (LRR K, L) Below Dark Surface (F22) Stripped Matrix (S6) Below Dark Surface (S7) Marl (F10) (LRR K, L) Below Surface (S7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Below Surface (F22) Stripped Matrix (S6) Below Dark Surface (F22) Stripped Matrix (S6) Below Dark Surface (F22) Below Dark Surface (F23)										
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Remarks:	Depth (ii	nches):						Hydric Soil Present?	Yes	NoX
	Remarks:									



Upland G-R-DD- View facing Southwest



Upland G-R-DD- View facing West

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/15/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-DD-Wet
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
	relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',28.46"N	Long: 73°,28',50.72"W Datum:
Soil Map Unit Name: Limerick Silt Loam and Hollis Rock Outcrop	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 distur	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Torrential rain during delineation. 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 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 Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced Inc.	
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 X No Depth (inches):	: 8
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:	
Torrential rain during delineation.	

5 01 5 ···· /Distriction 201	Absolute	Dominant Creation?	Indicator	D. January Treat consultable at
Free Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
Acer negundo	15	Yes	FAC	Number of Dominant Species
2. Fraxinus pennsylvanica	10	Yes	FACW	That Are OBL, FACW, or FAC: 7 (A
3. Ulmus americana	10	Yes	FACW	Total Number of Dominant
4				Species Across All Strata: 8 (B
5				Percent of Dominant Species
3				That Are OBL, FACW, or FAC: 87.5% (A
7				Prevalence Index worksheet:
	35	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 =
1. Cornus racemosa	10	Yes	FAC	FACW species x 2 =
2. <u>Ilex verticillata</u>	10	Yes	FACW	FAC species x 3 =
3. Lonicera tatarica	5	Yes	FACU	FACU species x 4 =
4.				UPL species x 5 =
5.				Column Totals: (A)
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. Lythrum salicaria	10	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
2. Typha latifolia	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide suppor
3. Pilea pumila	5	No	FACW	data in Remarks or on a separate sheet)
4. Lysimachia nummularia	5	No	FAC	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
9				diameter at breast height (DBH), regardless of heig
10				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardle
	30	=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 f
1				height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
,				

SOIL Sampling Point: GR-DD-Wet

Profile Desc	cription: (Describe	to the de	pth needed to docu	ıment tl	he indica	tor or c	onfirm the absence o	f indicators.)
Depth	Matrix			k Featur	es			
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-5	7.5YR 4/1	100						
5-12	7.5YR 3/1	97	10YR 5/6	3		M	Mucky Loam/Clay	Prominent redox concentrations
				_		_		
		<u> </u>		<u> </u>	<u> </u>	<u> </u>		
		_		<u>_</u>	_			
	· 							
¹ Type: C=C	oncentration, D=Dep	letion, RM	 I=Reduced Matrix, M	 1S=Mas	ked Sand	d Grains	² Location: F	L=Pore Lining, M=Matrix.
Black Hi Hydroge Stratified Depleted Thick Do Sandy N Sandy C Sandy F Stripped Dark Su	(A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7)	tion and w	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed Depleted Matrix X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR) ace (S9 ands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)	(LRR R 611) (LRI (F1) (LRI (F2) (F6) (F7) 8)	, MLRA R K, L) R K, L)	2 cm Mt Coast P 149B) 5 cm Mt Polyvalt Thin Da Iron-Mai Piedmoi Mesic S Red Par Very Sh	or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) allow Dark Surface (F22) Explain in Remarks)
Type: Depth (i							Hydric Soil Prese	nt? Yes_X_ No
	rm is revised from No 2015 Errata. (http://v							CS Field Indicators of Hydric Soils,



Wetland G-R-DD- View facing Northeast



Wetland G-R-DD- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/15/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-EE-Up
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Toeslopes Local	relief (concave, convex, none): Concave Slope %: 10
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',09.20"N	Long: 73°,29',03.43"W Datum:
Soil Map Unit Name: Saco 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 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.)	
Successional shrubland	
LIVEROLOGY	
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	<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 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	vious inspections), if available:
Demonical	
Remarks:	

Fran Stratum (Distaire) 201 \	Absolute	Dominant Species?	Indicator	Deminance Test weeks to st
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
. Acer saccharum		Yes	FACU	Number of Dominant Species
. Quercus rubra		Yes	FACU	That Are OBL, FACW, or FAC:1 (A)
Populus deltoides	5	Yes	FAC	Total Number of Dominant
		· 		Species Across All Strata: 6 (B)
i		·		Percent of Dominant Species
·		· 		That Are OBL, FACW, or FAC: 16.7% (A/B)
·				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')			OBL species x 1 =
Lonicera tatarica	50	Yes	FACU	FACW species x 2 =
. Rhamnus cathartica	10	<u>No</u>	<u>FAC</u>	FAC species x 3 =
. Rhus typhina	5	<u>No</u>	UPL	FACU species x 4 =
·				UPL species x 5 =
	_			Column Totals: (A) (B)
· .	_			Prevalence Index = B/A =
·				Hydrophytic Vegetation Indicators:
	65	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size:)				2 - Dominance Test is >50%
. Alliaria petiolata	10	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Setaria faberi	15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supportin
3.				data in Remarks or on a separate sheet)
1				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
·				Definitions of Vegetation Strata:
3				Tree – Woody plants 3 in. (7.6 cm) or more in
)				diameter at breast height (DBH), regardless of height.
0				Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardles
	25	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size:15')			Woody vines – All woody vines greater than 3.28 ft in
				height.
2.				Hydrophytic Vegetation
		·		
				Present? Yes No X

SOIL Sampling Point: GR-EE-Up

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Loamy/Clayey	Depth	Matrix	o the de		x Featur		ונטו טו כנ	onfirm the absence of indic	ators.)	
"Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. "Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) Polyvalue Below Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Folyvalue Below Burk (A10) (LRR K, L, R) Folyvalue Below Surface (S9) (LRR R, MLRA 149B) Sor m Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S9) (LRR K, L, R) Polyvalue Below Surface (S9) (LRR K, L, R) Polyvalue Below Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below S		Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	rks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Histosol (A1) Histic Epideon (A2) Black Histic (A3) High Capted Matrix (A3) High Capted Redox (A5) High Capted Redox (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Thick Dark Surface (A11) Loamy Gleyed Matrix (F3) Sandy Gleyed Matrix (G4) Sandy Gleyed Matrix (G4) Dark Surface (A12) Depleted Dark Surface (A12) Sandy Redox (S5) Redox Dark Surface (F7) Redox Dark Surface (F7) Redox Capted Redox (A5) Sandy Redox (S5) Redox Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Marl (F10) (LRR K, L) Derived Redox (A12) Depleted Dark Surface (F7) Sandy Gleyed Matrix (G4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Marl (F10) (LRR K, L) Dark Surface (F7) Sitripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (F7) Mesic Spoilot (TA6) (MLRA 144A, 145, 149B) Dark Surface (F7) Sitripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (F7) Polyvalue Below Surface (F22) 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 X	0-3	10YR 5/3	100					Loamy/Clayey		
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Matrix (F3) Peleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Hydric Soil Present? Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Marl (F10) (LRR K, L) Marl (F10) (LRR	3-12	10YR 4/2	100					Loamy/Clayey		
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Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Marl (F10) (LRR K, L) Marl (F10) (LRR K, L) Marl (F10) (LRR K, L) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Stripped Matrix (S6) Marl (F10) (LRR K, L) Marl (F10)										
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Matrix (F3) Peleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Hydric Soil Present? Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Marl (F10) (LRR K, L) Marl (F10) (LRR										
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Matrix (F3) Peleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Hydric Soil Present? Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Marl (F10) (LRR K, L) Marl (F10) (LRR										
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A11) Depleted Below Dark Surface (A12) Depleted Matrix (F3) Peleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Hydric Soil Present? Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Marl (F10) (LRR K, L) Marl (F10) (LRR										
Histosol (A1)	¹ Type: C=Ce	oncentration, D=Depl	etion, RM	1=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=Por	e Lining, M=Ma	ıtrix.
Histic Epipedon (A2) 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) 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) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) 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) Dark Surface (S7) Pindicators 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	=					(00) (-	
Black Histic (A3)						ce (S8) (LKK K,			
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) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) 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) **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 X					•	(LRR R	. MLRA [•]			
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) Jark Surface (S7) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X										
Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) Jark Surface (S7) *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 X										
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) *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 X	Depleted	d Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganes	e Masses (F12	2) (LRR K, L, R)
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) 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 No X					` '			Piedmont Floo	dplain Soils (F1	9) (MLRA 149B)
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) 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 No X										44A, 145, 149B)
Stripped Matrix (S6)										00)
Dark Surface (S7) 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 X						8)				22)
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 No X				Mail (F10) (LR	K N, L)			Other (Explain	in Remarks)	
Restrictive Layer (if observed): Type:	Bark ou	11466 (61)								
Type:	³ Indicators o	f hydrophytic vegetati	on and w	/etland hydrology mι	ust be pr	esent, ur	nless dist	urbed or problematic.		
Depth (inches): Hydric Soil Present? Yes No X		Layer (if observed):								
	•									
Remarks:	Depth (ii	nches):						Hydric Soil Present?	Yes	NoX
	Remarks:									



Upland G-R-EE- View facing Northeast



Upland G-R-EE- View facing Northwest

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/15/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-EE-Wei
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Toeslopes Local i	relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,25',09.20"N	Long: 73°,29',03.43"W Datum:
Soil Map Unit Name: Saco 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 disturt	
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
	T
Hydrophytic Vegetation 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.)	
Red maple hardwood swamp	
Neu mapie naruwoou swamp	
HADBOLOGA	
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)	B9) X Drainage Patterns (B10) X Moss Trim Lines (B16)
	
X Saturation (A3) — Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Sediment Deposits (B2) 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)	. , , ,
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
<u> </u>	A PAC-Neutral Test (D3)
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? YesX No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	avious inspections) if available:
besome recorded bata (stream gauge, monitoring well, dental photos, pre	widds mspeeddons), ii dydnasie.
Remarks:	

<u>Free Stratum</u> (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	25	Yes	FAC	Number of Dominant Species
2. Fraxinus pennsylvanica	10	Yes	FACW	That Are OBL, FACW, or FAC: 11 (A)
3. Populus deltoides	10	Yes	FAC	Total Number of Dominant
i.				Species Across All Strata: 12 (B)
5.				
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 91.7% (A/B
				Prevalence Index worksheet:
	45	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
. Viburnum lentago	15	Yes	FAC	FACW species x 2 =
. Alnus incana	10	Yes	FACW	FAC species x 3 =
. Staphylea trifolia	10	Yes	FAC	FACU species x 4 =
. Cornus racemosa	10	Yes	FAC	UPL species x 5 =
. Comus racomosa			17.0	Column Totals: (A) (E
·				Prevalence Index = B/A =
·				
·	45	=Total Cover		Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation
lorb Stratum (Diot aiza: 5')	45	- Total Cover		X 2 - Dominance Test is >50%
lerb Stratum (Plot size: 5')	45	Vaa	OBL	1
Lythrum salicaria	15	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide supporting
Galium palustre	10	Yes	OBL	data in Remarks or on a separate sheet)
S. Scirpus atrovirens	5	<u>No</u>	OBL	
Onoclea sensibilis	10	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
s. Solidago canadensis	15	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must
Symphyotrichum racemosum	10	Yes	FACW	be present, unless disturbed or problematic.
·				Definitions of Vegetation Strata:
).).				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
0.				Sapling/shrub – Woody plants less than 3 in. DBH
1.				and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb – All herbaceous (non-woody) plants, regardles
	65	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 15')				Mandreying Allegade vines greater than 2.29 ft
· ·				Woody vines – All woody vines greater than 3.28 ft i height.
·				
				Hydrophytic
·				Vegetation Present? Yes X No
··		=Total Cover		135 <u>-X</u> 116 <u></u>
		- Total Cover		

SOIL Sampling Point: GR-EE-Wet

Profile Des	cription: (Describe	to the de	pth needed to docւ	ıment t	ne indica	tor or c	onfirm the absence o	f indicators.)
Depth	Matrix			x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 5/2	100						
3-10	10YR 5/1	95	10YR 5/6	5		M	Mucky Loam/Clay	Prominent redox concentrations
		<u> </u>		<u> </u>	<u> </u>	<u> </u>		
		<u> </u>		<u></u>	<u> </u>	<u> </u>		
		<u> </u>		<u> </u>	<u> </u>			
-								
¹ Type: C=C	oncentration, D=Dep	 letion. RN	 1=Reduced Matrix. N	 1S=Mas	 ked Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.
Black H Hydroge Stratifie Deplete Thick D Sandy N Sandy C Sandy F Stripped Dark Su	I (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7)	tion and w	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I 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 (F R K, L)	(LRR R 611) (LRI (F1) (LRI F2) F6) (F7)	, MLRA R K, L) R K, L)	Indicators f 2 cm Mt Coast P 5 cm Mt Polyvalt Thin Da Iron-Mai Piedmoi Mesic S Red Par Very Sh	or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B) tent Material (F21) allow Dark Surface (F22) explain in Remarks)
Type: Depth (i							Hydric Soil Prese	nt? Yes X No
	rm is revised from No 2015 Errata. (http://v							CS Field Indicators of Hydric Soils,



Wetland G-R-EE- View facing West



Wetland G-R-EE- 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 2	City/County: Fort A	nn / Washington County	Sampling Date: 05/26/22
Applicant/Owner: TDI		State: NY	Sampling Point: WET P2-EE-10
Investigator(s): C.Scrivner and K. Weiskotten	Section, To	ownship, Range:	_
Landform (hillside, terrace, etc.): Depression	Local relief (concave, conv		Slope %: 2
	,	: -73.48465	Datum: WGS 84
Soil Map Unit Name: Saco silt loam (Sa)		NWI classification:	PSS1
-			
Are climatic / hydrologic conditions on the site typical for			explain in Remarks.)
Are Vegetation, Soil, or Hydrology	_significantly disturbed? Are "Nor	rmal Circumstances" prese	nt? Yes X No
Are Vegetation, Soil, or Hydrology	_naturally problematic? (If needs	ed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sampling point loca	tions, transects, imp	portant features, etc.
Lhudranhutia Vagatatian Brasant2	No. In the Complete		
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes X	No Is the Sampled A		Na
			No P2-EE-10
		eliand Site ID. Near liag	P2-EE-10
Remarks: (Explain alternative procedures here or in a s Shrub swamp. This is the back side boundary to Wetlan			
Siliub Swamp. This is the back side boundary to Wellar	u G-R-EE.		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (m	ninimum of two required)
Primary Indicators (minimum of one is required; check a	ll that apply)	Surface Soil Cracks	(B6)
Surface Water (A1)X Wate	er-Stained Leaves (B9)	X Drainage Patterns (I	B10)
X High Water Table (A2) Aqua	tic Fauna (B13)	Moss Trim Lines (B	16)
X Saturation (A3) Marl	Deposits (B15)	Dry-Season Water	Table (C2)
Water Marks (B1) Hydr	ogen Sulfide Odor (C1)	Crayfish Burrows (C	8)
Sediment Deposits (B2) Oxid	zed Rhizospheres on Living Roots (C3)	Saturation Visible or	n Aerial Imagery (C9)
Drift Deposits (B3) Pres	ence of Reduced Iron (C4)	Stunted or Stressed	Plants (D1)
Algal Mat or Crust (B4)	nt Iron Reduction in Tilled Soils (C6)	X Geomorphic Positio	n (D2)
Iron Deposits (B5) Thin	Muck Surface (C7)	Shallow Aquitard (D	3)
Inundation Visible on Aerial Imagery (B7) Othe	r (Explain in Remarks)	Microtopographic Re	elief (D4)
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (D	D5)
Field Observations:			
Surface Water Present? Yes No _ X	Depth (inches):		
Water Table Present? Yes X No	Depth (inches): 10		
Saturation Present? Yes X No	Depth (inches): 4 Wetla	nd Hydrology Present?	YesX No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring we	l, aerial photos, previous inspections), if	available:	
Remarks:			

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Fraxinus pennsylvanica	10	Yes	FACW	
2.				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3. 4.				Total Number of Dominant Species Across All Strata:6(B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 7 x 1 = 7
1. Cornus amomum	45	Yes	FACW	FACW species 80 x 2 = 160
2. Rhamnus cathartica	10	No	FAC	FAC species 40 x 3 = 120
3. Lonicera morrowii	10	No	FACU	FACU species10 x 4 =40
4. Fraxinus pennsylvanica	10	No	FACW	UPL species0 x 5 =0
5. Sambucus nigra	5	No	FACW	Column Totals: 137 (A) 327 (B)
6.				Prevalence Index = B/A = 2.39
7.				Hydrophytic Vegetation Indicators:
	80	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
Matteuccia struthiopteris	15	Yes	FAC	X 3 - Prevalence Index is ≤3.0 ¹
2. Solidago rugosa	10	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Solidago gigantea	10	Yes	FACW	data in Remarks or on a separate sheet)
4. Lythrum salicaria	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Eutrochium maculatum	2	No	OBL	¹ Indicators of hydric soil and wetland hydrology must be
6.				present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
Week Mark Charles (District	42	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')	_	.,		Woody vines – All woody vines greater than 3.28 ft in
1. Vitis riparia	5	Yes	FAC	height.
2				Hydrophytic
3.				Vegetation
1				Present?
4	5	=Total Cover		

Sampling Point: WET P2-EE-10

SOIL Sampling Point: WET P2-EE-10

	ription: (Describe t	o the de				tor or co	nfirm the absence of inc	licators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 5/2	100					Loamy/Clayey	
3-10	10YR 5/1	95	10YR 5/8	5	С	М	Loamy/Clayey	Prominent redox concentrations
								
							·	
								_
17			Dadward Matrix M				21ti DI	Dana Limina M Matria
Hydric Soil I	ncentration, D=Deple	etion, Riv	=Reduced Matrix, M	S=IVIASK	ed Sand	Grains.		Pore Lining, M=Matrix. Problematic Hydric Soils ³ :
Histosol (Dark Surface (S7)				(A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Polyvalue Belo		ce (S8) (L	RR R,		ie Redox (A16) (LRR K, L, R)
Black His			MLRA 149B		` , `	·		y Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		Thin Dark Surf	ace (S9)	(LRR R,	MLRA 1	49B) Polyvalue E	Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		High Chroma S	Sands (S	S11) (LRF	R K, L)	Thin Dark S	Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Mucky			R K, L)		nese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed		F2)			loodplain Soils (F19) (MLRA 149B)
	odic (A17)		X Depleted Matri		-0)			Material (F21) (outside MLRA 145)
	A 144A, 145, 149B)		Redox Dark Su					w Dark Surface (F22) ain in Remarks)
	ucky Mineral (S1) leyed Matrix (S4)		Depleted Dark Redox Depres				Other (Expi	alli ili Remarks)
	edox (S5)		Marl (F10) (LR		0)		³ Indicators	of hydrophytic vegetation and
	Matrix (S6)		Red Parent Ma		21) (MLR	(A 145)		nydrology must be present,
							unless di	sturbed or problematic.
Restrictive L	ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Present?	Yes X No
Remarks:								



Wetland P2-EE-10- View facing north/northeast



Wetland P2-EE-10- Soils

Segment 3 - Package 2

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 2	City/C	ounty: Fort Ann / Washington County	Sampling Date: 05/26/22					
Applicant/Owner: TDI		State: NY	Sampling Point: UPL P2-EE-10					
Investigator(s): C. Scrivner and K. Weiskotten		Section, Township, Range:						
Landform (hillside, terrace, etc.): Flat	Local relief (c	oncave, convex, none): None	Slope %: 0					
		,	Datum: WGS 84					
Subregion (LRR or MLRA): LRR R	Lat: 43.41821	Long: -73.48492						
Soil Map Unit Name: Limerick silt loam (Lm)		NWI classification:	NA					
Are climatic / hydrologic conditions on the site typic	cal for this time of year?	Yes X No (If no,	explain in Remarks.)					
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" prese	ent? Yes X No					
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answers in	Remarks.)					
SUMMARY OF FINDINGS – Attach site	map showing sampling	point locations, transects, im	portant features, etc.					
[
		e Sampled Area						
		in a Wetland? Yes	No X					
Wetland Hydrology Present? Yes	S No X If ye	s, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or	r in a separate report.)							
Successional old field.								
HYDROLOGY								
Wetland Hydrology Indicators:		Secondary Indicators (m	ninimum of two required)					
Primary Indicators (minimum of one is required; cl	heck all that apply)	Surface Soil Cracks	s (B6)					
Surface Water (A1)	_Water-Stained Leaves (B9)	Drainage Patterns (B10)					
High Water Table (A2)	_Aquatic Fauna (B13)	Moss Trim Lines (B16)						
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	Table (C2)					
Water Marks (B1)	_ Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C	28)					
Sediment Deposits (B2)	Oxidized Rhizospheres on Livin	g Roots (C3) Saturation Visible o	n Aerial Imagery (C9)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed	l Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled	Soils (C6) Geomorphic Position	n (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D	3)					
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic R	elief (D4)					
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (I	D5)					
Field Observations:								
Surface Water Present? Yes No	Depth (inches):	<u>_</u>						
Water Table Present? Yes No Saturation Present? Yes No	Depth (inches):	<u>_</u>						
Saturation Present? Yes No	Depth (inches):	Wetland Hydrology Present?	Yes NoX					
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitorion	ng well, aerial photos, previous in	spections), if available:						
Remarks:								

ree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
. Populus deltoides	5	Yes	FAC	Number of Dominant Species		
. Pinus strobus	3	Yes	FACU	That Are OBL, FACW, or FAC: 6 (A)		
. Tilia americana	2	Yes	FACU	Total Number of Dominant		
·				Species Across All Strata: 11 (B)		
				Percent of Dominant Species		
·				That Are OBL, FACW, or FAC: 54.5% (A)		
·				Prevalence Index worksheet:		
_	10	=Total Cover		Total % Cover of: Multiply by:		
apling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0		
. Populus deltoides	8	Yes	FAC	FACW species 12 x 2 = 24		
. Lonicera morrowii	8	Yes	FACU	FAC species 42 x 3 = 126		
. Rubus allegheniensis	1	No	FACU	FACU species 52 x 4 = 208		
. Rubus occidentalis	1	No	UPL	UPL species 6 x 5 = 30		
				Column Totals: 112 (A) 388		
				Prevalence Index = B/A = 3.46		
				Hydrophytic Vegetation Indicators:		
	18	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
lerb Stratum (Plot size: 5')		_		X 2 - Dominance Test is >50%		
. Galium mollugo	25	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹		
. Onoclea sensibilis	8	Yes	FACW	4 - Morphological Adaptations ¹ (Provide support		
. Taraxacum officinale	8	Yes	FACU	data in Remarks or on a separate sheet)		
. Equisetum arvense	8	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)		
. Equisetum arvense	8	Yes	FAC	¹ Indicators of hydric soil and wetland hydrology mus		
. Populus deltoides	8	Yes	FAC	present, unless disturbed or problematic.		
. Toxicodendron radicans	5	No	FAC	Definitions of Vegetation Strata:		
. Parthenocissus quinquefolia	5	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diame		
. Daucus carota	5	No	UPL	at breast height (DBH), regardless of height.		
0. Valeriana dioica	2	No	FACW			
Laportea canadensis	2	No	FACW	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
				Hart All hard and a factor of the state of t		
	84	=Total Cover		Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.		
Voody Vine Stratum (Plot size: 30')		_				
				Woody vines – All woody vines greater than 3.28 ft height.		
			-	Hydrophytic		
·				Vegetation Present? Yes X No		
		=Total Cover				

SOIL Sampling Point: UPL P2-EE-10

Profile Desci	ription: (Describe t Matrix	o the de		ment the x Feature		tor or co	nfirm the absence of in	ndicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks	
0-10	10YR 3/1	100					Loamy/Clayey			
10-16	10YR 4/1	90	10YR 5/6	2	С	M	Sandy	Prominent red	dox con	centrations
10 10	101111111						Carray			
			10YR 4/3	2	<u>C</u>	<u>M</u>		Distinct redo	x conce	entrations
	-									
4										
'Type: C=Co Hydric Soil II		etion, RM	I=Reduced Matrix, M	S=Mask	ed Sand	Grains.		=Pore Lining, M= Problematic H		
Histosol (Dark Surface (S7)				k (A10) (LRR K ,		
	ipedon (A2)		Polyvalue Belo		ce (S8) (L	RR R.		irie Redox (A16)		
Black His	. , ,		MLRA 149B)					ky Peat or Peat		
Hydroger	n Sulfide (A4)		Thin Dark Surface (S9) (LRR R, MLRA 1				49B) Polyvalue	Below Surface ((S8) (L l	RR K, L)
Stratified	Layers (A5)		High Chroma S	3ands (S	11) (LRF	R K, L)	Thin Dark	Surface (S9) (L	RR K, I	∟)
X Depleted	Below Dark Surface	e (A11)	Loamy Mucky Mineral (F1) (LRR K, L)				Iron-Mang	janese Masses ((F12) (L	RR K, L, R)
	rk Surface (A12)		Loamy Gleyed	•	-2)			Floodplain Soils	. ,	
	odic (A17)		Depleted Matri		۵)			nt Material (F21)	•	de MLRA 145)
•	A 144A, 145, 149B)		Redox Dark Su					low Dark Surface		
	ucky Mineral (S1) eyed Matrix (S4)		Depleted Dark Redox Depress				Other (Exp	plain in Remarks	3)	
	edox (S5)		Marl (F10) (LR)		³ Indicators	s of hydrophytic	vegetat	ion and
	Matrix (S6)		Red Parent Ma		21) (MLR	RA 145)		hydrology must		
							unless o	disturbed or prob	olematic	D
Restrictive L	ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Present	? Yes_	Χ	No
Remarks:							•			



Upland P2-EE-10- View facing southwest



Upland P2-EE-10- 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 2	City/County: Fort Ann / Washington County Sampling Date: 05/26/22				
Applicant/Owner: TDI	State: NY Sampling Point: Wet P2-E-3				
Investigator(s): C.Scrivner and K. Weiskotten	Section, Township, Range:				
	I relief (concave, convex, none): Concave Slope %: 2				
Subregion (LRR or MLRA): LRR R Lat: 43.41857	Long: -73.48604 Datum: WGS 84				
Soil Map Unit Name: Limerick silt loam (Lm)	NWI classification: PEM1/PUB				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significantly distu					
Are Vegetation, Soil, or Hydrologynaturally problem					
	npling point locations, transects, important features, etc.				
- And the state of					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area				
Hydric Soil Present? Yes X No	within a Wetland? Yes X No No				
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near flag P2-E-3				
Remarks: (Explain alternative procedures here or in a separate report.) Shallow emergent marsh around edges and Pond (PUB) for the open wate	er areas dominmated by duckweed.				
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					
X High Water Table (A2) X Aquatic Fauna (B13)	Moss Trim Lines (B16)				
X Saturation (A3) Marl Deposits (B15)					
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					
Iron Deposits (B5) Thin Muck Surface (C7)					
X Inundation Visible on Aerial Imagery (B7) Other (Explain in Rema					
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)				
Field Observations:	<u></u>				
Surface Water Present? Yes X No Depth (inches)): 32				
Water Table Present? Yes X No Depth (inches)					
Saturation Present? Yes X No Depth (inches)	· 				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:				
Remarks:					

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Fraxinus pennsylvanica	10	Yes	FACW	Number of Dominant Species
2. Ulmus americana	5	Yes	FACW	That Are OBL, FACW, or FAC: (A)
3. 4.				Total Number of Dominant Species Across All Strata: (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
	15	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 87 x 1 = 87
1. Cornus amomum	10	Yes	FACW	FACW species 35 x 2 = 70
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species0 x 5 =0
5.				Column Totals: 122 (A) 157 (B)
6.		· <u></u>		Prevalence Index = B/A = 1.29
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		,		X 2 - Dominance Test is >50%
1. Lemna minor	40	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
Typha latifolia	30	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
Lythrum salicaria	15	No	OBL	data in Remarks or on a separate sheet)
Onoclea sensibilis	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Solidago gigantea	5	No No	FACW	¹ Indicators of hydric soil and wetland hydrology must be
6. Eutrochium maculatum	2	No No	OBL	present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
9.		•		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
		· 		and groater than or equal to 0.20 ft (1 ff) tall.
12	97	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		•		Was devided All was devided as asset than 2 00 ft in
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				3
2				Hydrophytic
4.		· ——		Vegetation Present? Yes X No
4.		Tatal Carre		Present? Yes X No No
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			

Sampling Point: Wet P2-E-3

SOIL Sampling Point: Wet P2-E-3

Profile Desc	ription: (Describe to	the depth nee	ded to documen	t the indicat	or or con	firm the absence of in	dicators.)
Depth	Matrix		Redox Fea	atures			
(inches)	Color (moist)	% Cold	or (moist) %	6 Type¹	Loc ²	Texture	Remarks
							_
							_
							_
					— -		
¹ Type: C=Co	ncentration, D=Deple	tion, RM=Reduc	ed Matrix, MS=Ma	asked Sand (Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil I	ndicators:					Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)	Da	ark Surface (S7)			2 cm Muck	(A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		olyvalue Below Su	ırface (S8) (L	RR R,		rie Redox (A16) (LRR K, L, R)
Black His	. , ,		MLRA 149B)	() (·		y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		in Dark Surface (S9) (LRR R.	MLRA 14		Below Surface (S8) (LRR K, L)
	Layers (A5)		gh Chroma Sands				Surface (S9) (LRR K, L)
	Below Dark Surface		amy Mucky Miner				anese Masses (F12) (LRR K, L, R)
					. K, L)		
	rk Surface (A12)		amy Gleyed Matri				Floodplain Soils (F19) (MLRA 149B)
	odic (A17)		epleted Matrix (F3	•			t Material (F21) (outside MLRA 145)
-	A 144A, 145, 149B)		edox Dark Surface	• •			ow Dark Surface (F22)
	ucky Mineral (S1)	De	epleted Dark Surfa	ace (F7)		X Other (Exp	olain in Remarks)
	eyed Matrix (S4)		edox Depressions			0	
Sandy Re	edox (S5)	Ma	arl (F10) (LRR K ,	L)		³ Indicators	of hydrophytic vegetation and
Stripped	Matrix (S6)	Re	ed Parent Material	l (F21) (MLR	A 145)	wetland	hydrology must be present,
						unless d	isturbed or problematic.
Restrictive L	ayer (if observed):						
Type:							
Depth (in	ches):		_			Hydric Soil Present?	Yes X No
			_				
Remarks:				001 15			
Soils not colle	ected due to standing	water at 1.5 feet	and dominated b	by OBL and F	ACW spe	ecies.	



Wetland P2-E-3- View facing northeast



Wetland P2-E-3- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE Package 2		City/County: Fort Ann / Washington County	Sampling Date: 05/26/22				
Applicant/Owner: TDI		State: NY	Sampling Point: UPL P2-E-3				
Investigator(s): C. Scrivner and K. Weiskott	en	Section, Township, Range:					
Landform (hillside, terrace, etc.): Flat		elief (concave, convex, none): None	Slope %: 0				
Subregion (LRR or MLRA): LRR R	Lat: 43.41844	Long: -73.48602	Datum: WGS 84				
Soil Map Unit Name: Limerick silt loam (Lm		NWI classification:					
Are climatic / hydrologic conditions on the site	e typical for this time of year?	Yes X No (If no,	explain in Remarks.)				
Are Vegetation , Soil , or Hydr	,,		•				
Are Vegetation, Soil, or Hydr	ologynaturally problema	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:					
HYDROLOGY							
Wetland Hydrology Indicators:		· · · · · · · · · · · · · · · · · · ·	minimum of two required)				
Primary Indicators (minimum of one is requi		Surface Soil Cracks	` ,				
Surface Water (A1)	Water-Stained Leaves (B	· · · · · · · · · · · · · · · · · · ·					
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (E	•				
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	` ,				
Water Marks (B1)	Hydrogen Sulfide Odor (C		,				
Sediment Deposits (B2)	Oxidized Rhizospheres o	· · · · —	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)	Shallow Aquitard (I	,				
Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7	′ 		, ,				
<u> </u>	DO)	FAC-Neutral Test (D5)				
Field Observations:	No. V. Book Codes						
Surface Water Present? Yes Water Table Present? Yes	No X Depth (inches):						
Saturation Present? Yes	No X Depth (inches): No X Depth (inches):		Yes No X				
(includes capillary fringe)	No A Deptil (iliches).	Wetiand Hydrology Fresent?	Yes No _X_				
Describe Recorded Data (stream gauge, mo	onitoring well aerial photos prev	vious inspections) if available:					
	zinoning non, donar priotoc, pro-						
Remarks:							

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1 2		·		Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant Species Across All Strata:4 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1		<u> </u>	1	FACW species 0 x 2 = 0
2.				FAC species10 x 3 =30
3.				FACU species 40 x 4 = 160
4.				UPL species10 x 5 =50
5.				Column Totals: 60 (A) 240 (B)
6.				Prevalence Index = B/A = 4.00
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Lotus corniculatus	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Parthenocissus quinquefolia	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Equisetum arvense	10	Yes	FAC	data in Remarks or on a separate sheet)
4. Galium mollugo	10	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Daucus carota	5	No	UPL	The disease of budging and weathered budgets are accepted.
6. Asclepias syriaca	5	No	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Trans Washington Sin (7.0 and an array in dispressed
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	60	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30') 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.	1			Hydrophytic
4.			(<u> </u>	Vegetation Present? Yes No _ X _
		=Total Cover		· · · · · · · · · · · · · · · · · · ·
Remarks: (Include photo numbers here or on a separa	ate sheet)	-10101 00101		

Sampling Point: UPL P2-E-3

SOIL Sampling Point: UPL P2-E-3

		o the de				tor or co	nfirm the absence of ind	icators.)	
Depth	Matrix			x Featur		. 2	_	_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
0-2	10YR 3/2	100					Loamy/Clayey		
2-5	10YR 4/3	95	10YR 5/6	5	С	М	Sandy	Distinct redox co	ncentrations
									_
					· —				_
					. —				
									_
¹ Type: C=Co	ncentration, D=Depl	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL=P	ore Lining, M=Ma	trix.
Hydric Soil I	ndicators:							roblematic Hydri	
Histosol			Dark Surface (A10) (LRR K, L, I	
	ipedon (A2)		Polyvalue Belo		ce (S8) (L	RR R,		e Redox (A16) (LF	
Black His	n Sulfide (A4)		MLRA 149B Thin Dark Surf	•	(IRR R	MIRA 1		Peat or Peat (S3) elow Surface (S8)	
	Layers (A5)		High Chroma S					urface (S9) (LRR	
	Below Dark Surface	(A11)	Loamy Mucky					nese Masses (F12	
	rk Surface (A12)	` ,	Loamy Gleyed			, ,		oodplain Soils (F1	
Mesic Sp	odic (A17)		Depleted Matri	x (F3)			Red Parent	Material (F21) (o u	tside MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	urface (F	6)		Very Shallov	v Dark Surface (F	22)
	ucky Mineral (S1)		Depleted Dark		, ,		Other (Expla	in in Remarks)	
	leyed Matrix (S4)		Redox Depres		8)		3		
	edox (S5) Matrix (S6)		Marl (F10) (LR Red Parent Ma		24) /MI D	A 14E\		f hydrophytic vege ydrology must be i	
Suipped	Matrix (30)		Red Falent Wa	ileriai (F	ZI) (WILK	A 143)		turbed or problem	
Restrictive L	.ayer (if observed):						unicss dis	tarbea or problem	anc.
Type:	Rock	/Fill							
Depth (in	iches):	5					Hydric Soil Present?	Yes	No X
Remarks:									



Upland P2-E-3- View facing west



Upland P2-E-3- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE Package 2	City/County: Fort Ann / Washington County Sampling Date: 05/26/22
Applicant/Owner: TDI	State: NY Sampling Point: Wet P2-E-6
Investigator(s): C.Scrivner and K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression	Local relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43.4184	
Soil Map Unit Name: Limerick silt loam (Lm)	NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of	
, ,	
Are Vegetation, Soil, or Hydrologysignifica	
Are Vegetation, Soil, or Hydrologynaturally	
SUMMARY OF FINDINGS – Attach site map showi	ng sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near flag P2-E-6
Remarks: (Explain alternative procedures here or in a separate re	eport.)
Shrub swamp.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that app	oly) Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained	Leaves (B9) X Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna	(B13) X Moss Trim Lines (B16)
X Saturation (A3)Marl Deposits	(B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulf	ide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizo	ospheres on Living Roots (C3) X Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of R	educed Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)Recent Iron Re	eduction in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Sur	face (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain	in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	_
Surface Water Present? Yes X No Depth	n (inches): 0.5
	n (inches): 0
	n (inches): 0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial pl	hotos, previous inspections), if available:
Remarks:	

201	Absolute	Dominant Species?	Indicator	B. Whomas Tree months bank
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
Ulmus americana		Yes	FACW	Number of Dominant Species
Fraxinus pennsylvanica	5	Yes	FACW	That Are OBL, FACW, or FAC: 6 (A)
·		- ——		Total Number of Dominant
				Species Across All Strata: 7 (B)
		- —		Percent of Dominant Species
·		- —		That Are OBL, FACW, or FAC: 85.7% (A/B)
-	45	Total Causes		Prevalence Index worksheet:
" (2) I O ((2) ((2)	15	_=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')	50	.,	O.M.	OBL species
Cornus amomum	50	Yes	FACW	FACW species 100 x 2 = 200
Populus deltoides	10	No	FAC	FAC species 30 x 3 = 90
Ulmus americana	10	No	FACW	FACU species 0 x 4 = 0
Fraxinus pennsylvanica	10	No	FACW	UPL species 15 x 5 = 75
Viburnum acerifolium	5	No	UPL	Column Totals: 152 (A) 372 (B)
•				Prevalence Index = B/A = 2.45
· <u></u>		- ——		Hydrophytic Vegetation Indicators:
	85	_=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
. Equisetum arvense	15	Yes	FAC	X 3 - Prevalence Index is ≤3.0 ¹
. Onoclea sensibilis	10	Yes	FACW	4 - Morphological Adaptations (Provide supporting
. Viburnum acerifolium	10	Yes	UPL	data in Remarks or on a separate sheet)
. Solidago gigantea	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
. Lythrum salicaria	5	No	OBL	¹ Indicators of hydric soil and wetland hydrology must be
. Symplocarpus foetidus	2	No	OBL	present, unless disturbed or problematic.
·				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in diamete
•				at breast height (DBH), regardless of height.
0				Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb – All herbaceous (non-woody) plants, regardless
	47	=Total Cover	_	of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 30')		•		Woody vines – All woody vines greater than 3.28 ft in
. Vitis riparia	5	Yes	FAC	height.
		·		
				Hydrophytic Vegetation
		-		Present? Yes X No
	5	=Total Cover		

SOIL Sampling Point: Wet P2-E-6

Profile Desc	ription: (Describe to Matrix	the de		ument the ox Feature		tor or co	onfirm the absence of i	ndicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-7	2.5Y 2.5/1	100					Muck	with organics		
7-16	2.5Y 4/1	90	10YR 5/3	10	С	M	Mucky Loam/Clay	Distinct redox concentration	ns	
7-10	2.51 4/1		10110 3/3			IVI	Wideky Loani/Clay	Distinict redux concentration	15	
				· —						
				. —						
			-	. —						
				. —						
	<u> </u>			. —						
¹ Type: C=Co	ncentration, D=Deple	etion, RM	=Reduced Matrix, M	1S=Mask	ed Sand	Grains.		=Pore Lining, M=Matrix.		
Hydric Soil I								Indicators for Problematic Hydric Soils ³ :		
Histosol	•		Dark Surface ((00) (DD D	2 cm Muck (A10) (LRR K, L, MLRA 149B)			
Black His	ipedon (A2)		Polyvalue Belo		e (58) (I	LKK K,	Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
	n Sulfide (A4)		Thin Dark Surf	,	(I RR R	MIRA		Below Surface (S8) (LRR K, L)		
	Layers (A5)		High Chroma S					Thin Dark Surface (S9) (LRR K, L)		
	Below Dark Surface	(A11)	Loamy Mucky				Iron-Manganese Masses (F12) (LRR K, L, R)			
Thick Da	rk Surface (A12)		Loamy Gleyed	l Matrix (F	- 2)		Piedmont Floodplain Soils (F19) (MLRA 149B)			
Mesic Spodic (A17)			X Depleted Matri	ix (F3)			Red Parent Material (F21) (outside MLRA 145)			
(MLRA 144A, 145, 149B)			Redox Dark St	urface (F	6)		Very Sha	low Dark Surface (F22)		
	ucky Mineral (S1)		Depleted Dark				Other (Ex	plain in Remarks)		
	leyed Matrix (S4)		Redox Depres Marl (F10) (LR		3)		³ Indicator	o of budrophytic vogetation and		
Sandy Redox (S5) Stripped Matrix (S6)			Red Parent Ma		21) (MI F	2Δ 1Δ5)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present,			
	Watrix (GG)		Red r drent wit	atoriai (i z	- 1 / (IVI - 1	(A 140)		disturbed or problematic.		
Restrictive L	ayer (if observed):						4666	alotation of problematic		
Type:										
Depth (in	ches):						Hydric Soil Present	? Yes X No		
Remarks:										



Wetland P2-E-6- View facing west/northwest



Wetland P2-E-6- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE Package 2	City/County: Fort Ann / Washington County Sampling Date: 05/26/22				
Applicant/Owner: TDI	State: NY Sampling Point: Wet P2-F-5				
Investigator(s): C.Scrivner and K. Weiskotten	Section, Township, Range:				
Landform (hillside, terrace, etc.): Depression Loc	cal relief (concave, convex, none): Concave Slope %: 2				
Subregion (LRR or MLRA): LRR R Lat: 43.41831	Long: -73.48582 Datum: WGS 84				
Soil Map Unit Name: Limerick silt loam (Lm)	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 dis	sturbed? Are "Normal Circumstances" present? Yes X No				
Are Vegetation , Soil , or Hydrology naturally proble	ematic? (If needed, explain any answers in Remarks.)				
<u> </u>	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 P2-F-5				
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)				
X Surface Water (A1) X Water-Stained Leave	_				
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 Odd	· · · · · · · · · · · · · · · · · · ·				
1 	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Reduced					
Algal Mat or Crust (B4) Recent Iron Reductio	<u> </u>				
Iron Deposits (B5) Thin Muck Surface (C					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Ren	. , ,				
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)				
Field Observations:	<u> </u>				
Surface Water Present? Yes X No Depth (inche	es): 6				
Water Table Present? Yes X No Depth (inche					
Saturation Present? Yes X No Depth (inche					
(includes capillary fringe)	77/ 170111111 17/111111111 17/1111111111111				
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:				
	F				
Remarks:					

1.	Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
A	· · · · · · · · · · · · · · · · · · ·				
					l '
Species Across All Strata: 6 (B)	3.				Total Number of Demisers
Percent of Dominant Species That Are OBL, FACW, or FAC: 83.3% (A/B)	4.				
That Are OBL, FACW, or FAC: 83.3% (A/B)	5.				
Total Cover Total % Cover of: Multiply by: OBL species 7	6.				·
Sapling/Shrub Stratum (Plot size: 15')	7.				
1.		10	=Total Cover		Total % Cover of: Multiply by:
2.	Sapling/Shrub Stratum (Plot size: 15')		•		OBL species7 x 1 =7
10	1. Cornus amomum	50	Yes	FACW	FACW species 95 x 2 = 190
	2. Populus deltoides	15	No	FAC	FAC species 38 x 3 = 114
	<u> </u>	10	No	FACW	<u> </u>
5. Viburnum aceritolium 5. No UPL Column Totals: 155 (A) 336 (B) Prevalence Index = B/A = 2.49 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% X 2 - Dominance Test is >50% X 3 - Prevalence Index is ≤3.0¹ 2 Onoclea sensibilis 10 Yes FACW 2 Onoclea sensibilis 10 Yes UPL 4 Solidago gigantea 5 No FACW 5 Lythrum salicaria 5 No OBL 6 Symplocarpus foetidus 7 OBL 7 OBL 8 OBL 1 Indicators of hydric soil and wettand hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree − Woody plants 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height. Sapling/shrub − Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Woody Vine Stratum 1 Vitis riparia 3 No FAC Hydrophytic Vegetation		10	-		
Prevalence Index = BI/k = 2.49			-		· — —
Herb Stratum (Plot size: 5') Plot Stratum (Plot size: 30') Plot St					
Solidago gigantea Symplocarpus foetidus Symploca					
Herb Stratum (Plot size: 5') 1. Equisetum arvense 20 Yes FAC X 3 - Prevalence Index is ≤3.0¹ 2. Onoclea sensibilis 10 Yes FACW 3. Viburnum acerifolium 10 Yes UPL data in Remarks or on a separate sheet) 4. Solidago gigantea 5 No FACW 5. Lythrum salicaria 5 No OBL Symplocarpus foetidus 2 No OBL Definitions of Vegetation Stratas: 7. Definitions of Vegetation Stratas: 10. Sapling/shrub – Woody plants Iess than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 11. Vitis riparia 3 No FAC Hydrophytic Vegetation 1 (Provide supporting data in Remarks or on a separate sheet) 7. Solidago gigantea 5 No OBL Problematic Hydrophytic Vegetation 1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1 Definitions of Vegetation Stratas: 1 Tree – Woody plants 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height. 2 Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 4 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. Vitis riparia 3 No FAC Hydrophytic Vegetation Present? Yes X No		90	=Total Cover		
1. Equisetum arvense 20 Yes FAC 2. Onoclea sensibilis 3. Viburnum acerifolium 4. Solidago gigantea 5 No FACW 5. Lythrum salicaria 5. No OBL 6. Symplocarpus foetidus 7. Definitions of Vegetation Strata: 8. Selication Stratum 10. Sapling/shrub → Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 11. Vitis riparia 12. Sapling/shrub → Woody vines greater than 3.28 ft in height. 14. No OBL Stratum 15. Lythrum salicaria 16. Symplocarpus foetidus 17. Sapling/shrub → Woody plants less than 3.28 ft in height. 18. Sapling/shrub → Woody vines greater than 3.28 ft in height. 19. Sapling/shrub → Woody vines greater than 3.28 ft in height. 19. Woody Vine Stratum 10. Sapling/shrub → Woody vines greater than 3.28 ft in height. 19. Woody vines All woody vines greater than 3.28 ft in height. 19. Hydrophytic Vegetation 19. Vitis riparia 20. Yes FACW All Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 21. All Prevalence Index is ≤3.0¹ 22. All Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 23. All Horbidations¹ (Provide supporting data in Remarks or on a separate sheet) 24. All Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 25. Definitions of Vegetation Strata: 26. Tree — Woody plants a 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of size, and woody plants less than 3 in. DBH and greater than or equal to 3.28 ft tall. 26. Woody Vine Stratum 27. Hydrophytic Vegetation 28. All Woody vines greater than 3.28 ft in height. 29. Hydrophytic Vegetation 29. All Morphytic Vegetation 20. All Hydrophytic Vegetation 20. All Hydrophytic Vegetation 20. All Hydrophytic Vegetation 20. All Hydrophytic Vegetation 21. All Hydrophytic Vegetation 22. All Hydrophytic Vegetation 23. All Hydrophytic Vegetation 24. All Hydrophytic Vegetation 25. All Hydrophytic Vegetation 26. All Hydrophytic Vegetation 27. All Hydrophytic Vegetation 28. All Hydrophytic Vegetation Strata	Herb Stratum (Plot size: 5')				_ , , , , ,
2. Onoclea sensibilis 3. Viburnum acerifolium 4. Sollidago gigantea 5. No FACW 4. Sollidago gigantea 5. Lythrum salicaria 5. No OBL 6. Symplocarpus foetidus 7. Definitions of Vegetation Strata: 8.		20	Yes	FAC	
3. Viburnum acerifolium 4. Solidago gigantea 5 No FACW 5. Lythrum salicaria 5 No OBL 5. Lythrum salicaria 5 No OBL 6. Symplocarpus foetidus 7. Definitions of Vegetation Strata: 8. Sapling/shrub — Woody plants 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height. 9. Sapling/shrub — Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 11. Vitis riparia 7 No FAC 8 Sapling/shrub — Woody vines greater than 3.28 ft in height. 9. Woody Vine Stratum (Plot size: 30') 1. Vitis riparia 7 Vigentitions of Vegetation Strata: 8 Sapling/shrub — Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 9. Woody Vine Stratum (Plot size: 30') 1. Vitis riparia 9. Woody Vine Stratum (Plot size: 30') 1. Vitis riparia 1. Vitis riparia 1. Vitis riparia 2. Hydrophytic Vegetation Present? Yes X No					
4. Solidago gigantea 5 No FACW Problematic Hydrophytic Vegetation (Explain) 5. Lythrum salicaria 5 No OBL 5. Lythrum salicaria 5 No OBL 6. Symplocarpus foetidus 2 No OBL 7. Definitions of Vegetation Strata: 8. Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30') 1. Vitis riparia 3 No FAC Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No			· ———		
5. Lythrum salicaria 5. No OBL 6. Symplocarpus foetidus 7. Definitions of Vegetation Strata: 8. Tree – Woody plants 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height. 9. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 11. 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. Vitis riparia 3 No FAC Hydrophytic 2. Hydrophytic 4. Hydrophytic 5 Vegetation 7. Present? Yes X No					Problematic Hydrophytic Vegetation ¹ (Explain)
Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.					
Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30') 1. Vitis riparia 3 No FAC Woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No		-			
9. Tree — Woody plants 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height. 10. Sapling/shrub — Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 12. Herb — All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30') 1. Vitis riparia 3 No FAC Woody vines — All woody vines greater than 3.28 ft in height. 2. Hydrophytic Vegetation Present? Yes X No	7.				Definitions of Vegetation Strata:
at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30') 1. Vitis riparia 3 No FAC Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No	8.				Troe Woody plants 2 in (7.6 cm) or more in diameter
Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 12	9.				, ,
and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30') 1. Vitis riparia 3 No FAC Woody vines = All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No	10				Sapling/shrub – Woody plants less than 3 in, DBH
Solution Stratum Solution Stratum Solution	11				
S2	12				Herh – All herhaceous (non-woody) plants regardless
1. Vitis riparia 3 No FAC height. 2. Hydrophytic Vegetation Present? Yes X No		52	=Total Cover		
1. Vitis riparia 3 No FAC height. 2	Woody Vine Stratum (Plot size: 30')				Woody vines - All woody vines greater than 3.28 ft in
Hydrophytic Vegetation Present? Yes X No	1. Vitis riparia	3	No	FAC	
Vegetation 4 YesX No	2.				
4 Present? Yes X No	3.				
3 =Total Cover	4.		·		=
<u></u>		3	=Total Cover		
Remarks: (Include photo numbers here or on a separate sheet.)	Pemarks: (Include photo numbers here or on a senai	rate sheet)	•		

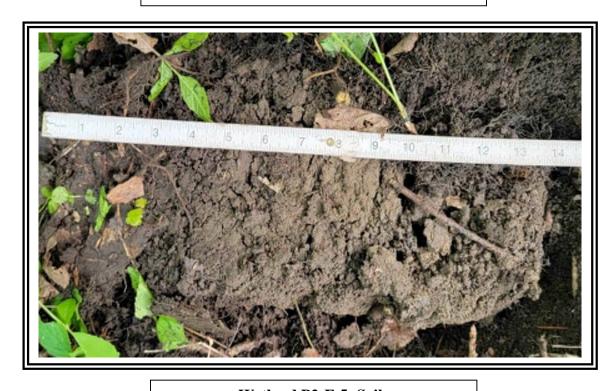
Sampling Point: Wet P2-F-5

SOIL Sampling Point: Wet P2-F-5

Profile Desci Depth	ription: (Describe to Matrix	the de		ument the ox Feature		tor or co	onfirm the absence of i	ndicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	2.5Y 2.5/1	100					Muck	with organics
7-16	2.5Y 4/1	90	10YR 5/3	10	С	М	Mucky Loam/Clay	Distinct redox concentrations
7-10	2.51 4/1	30	1011(3/3	10	_	101	Mucky Loan/Clay	Distillet redux concentrations
·								
¹ Type: C=Co	ncentration, D=Deple	etion, RM	l=Reduced Matrix, M	1S=Mask	ed Sand	Grains.		=Pore Lining, M=Matrix.
Hydric Soil II								r Problematic Hydric Soils ³ :
Histosol (,		Dark Surface (ck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Polyvalue Belo		e (S8) (I	RR R,		airie Redox (A16) (LRR K, L, R)
Black His	n Sulfide (A4)		MLRA 149B Thin Dark Surf	,	/I DD D	MI DA 1		eky Peat or Peat (S3) (LRR K, L, R) Below Surface (S8) (LRR K, L)
	Layers (A5)		High Chroma S					Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Mucky					ganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	(,	Loamy Gleyed			, -,		Floodplain Soils (F19) (MLRA 149B)
	odic (A17)		X Depleted Matri	•	,			nt Material (F21) (outside MLRA 14
(MLR	A 144A, 145, 149B)		Redox Dark Su	urface (F	6)		Very Shal	llow Dark Surface (F22)
Sandy Mi	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Ex	plain in Remarks)
	eyed Matrix (S4)		Redox Depres		3)			
	edox (S5)		Marl (F10) (LR					s of hydrophytic vegetation and
Stripped	Matrix (S6)		Red Parent Ma	aterial (F2	21) (MLF	RA 145)		d hydrology must be present,
Da atriativa I	(if al-a)						unless	disturbed or problematic.
	ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Present	? Yes X No
Remarks:								



Wetland P2-F-5- View facing west/southwest



Wetland P2-F-5- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE Package 2	City/County: Fort Ann / Washington County Sampling Date: 05/26/22
Applicant/Owner: TDI	State: NY Sampling Point: UPL
Investigator(s): C. Scrivner and K. Weiskotten	Section, Township, Range:
• ''	relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43.41834	·
Soil Map Unit Name: Limerick silt loam (Lm)	Long: <u>-73.48556</u> Datum: <u>WGS 84</u> 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 distu	
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing same	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _ X_
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Unpaved roadside/path shoulder. Upland data point for both P2-E-6 and P.	2-F-5
onpavou rodusido/patir sirodidor. Opidira data point foi sotir i 2 E o dila i	21 0.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)Water-Stained Leaves	(B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor	(C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced I	ron (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 Rema	rks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches)):
Water Table Present? Yes No X Depth (inches) Saturation Present? Yes No X Depth (inches)):
Saturation Present? Yes No X Depth (inches)	: Wetland Hydrology Present? Yes No X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Populus deltoides	5	Yes	FAC	Dominance rest worksneet.
2.		165	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
3.				That Are OBL, FACW, or FAC:5 (A)
· ·				Total Number of Dominant
4		· 		Species Across All Strata: 6 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 83.3% (A/B)
7		T-1-1-0		Prevalence Index worksheet:
Continue/Charle Ctratum (Distains)	5	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')	00	V	F40	OBL species 0 x 1 = 0
1. Populus deltoides	20	Yes	FAC	FACW species 5 x 2 = 10
2.				FAC species 85 x 3 = 255
3		· 		FACU species 20 x 4 = 80
4				UPL species 5 x 5 = 25
5		. <u></u>		Column Totals:115 (A)370(B)
6				Prevalence Index = B/A = 3.22
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. Galium mollugo	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Toxicodendron radicans	20	Yes	FAC	4 - Morphological Adaptations (Provide supporting
3. Equisetum arvense	15	Yes	FAC	data in Remarks or on a separate sheet)
4. Equisetum arvense	15	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Populus deltoides	10	No	FAC	¹ Indicators of hydric soil and wetland hydrology must be
6. Symphyotrichum novae-angliae	5	No	FACW	present, unless disturbed or problematic.
7. Securigera varia	5	No	UPL	Definitions of Vegetation Strata:
8.				To a Washington Oir (70 and a mark in the material
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.				
	90	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		- Total Gover		
				Woody vines – All woody vines greater than 3.28 ft in height.
				noight.
3.				Hydrophytic
				Vegetation Present? Yes X No
4				Present? Yes X No No
		=Total Cover		1
Remarks: (Include photo numbers here or on a separa	ite sheet.)			

Sampling Point:

UPL

SOIL Sampling Point: UPL

		o the de				tor or co	nfirm the absence of ind	icators.)	
Depth	Matrix			x Featur		. 2	_	_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
0-2	10YR 3/2	100					Loamy/Clayey		
2-5	10YR 4/3	95	10YR 5/6	5	С	М	Sandy	Distinct redox co	ncentrations
									_
					· —				_
					. —				
									_
			·						
¹ Type: C=Co	ncentration, D=Depl	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL=P	ore Lining, M=Ma	trix.
Hydric Soil I	ndicators:							roblematic Hydri	
Histosol			Dark Surface (A10) (LRR K, L, I	
	ipedon (A2)		Polyvalue Belo		ce (S8) (L	RR R,		e Redox (A16) (LF	
Black His	n Sulfide (A4)		MLRA 149B Thin Dark Surf	•	(IRRR	MIRA 1		Peat or Peat (S3) elow Surface (S8)	
	Layers (A5)		High Chroma S					urface (S9) (LRR	
	Below Dark Surface	(A11)	Loamy Mucky					nese Masses (F12	
	rk Surface (A12)	` ,	Loamy Gleyed			, ,		oodplain Soils (F1	
Mesic Sp	odic (A17)		Depleted Matri	x (F3)			Red Parent	Material (F21) (o u	tside MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	urface (F	6)		Very Shallov	v Dark Surface (F	22)
	ucky Mineral (S1)		Depleted Dark		, ,		Other (Expla	in in Remarks)	
	leyed Matrix (S4)		Redox Depres		8)		3		
	edox (S5) Matrix (S6)		Marl (F10) (LR Red Parent Ma		24) /MI D	A 14E\		f hydrophytic vege ydrology must be i	
Suipped	Matrix (30)		Red Falent Wa	ileriai (F	ZI) (WILK	A 143)		turbed or problem	
Restrictive L	.ayer (if observed):						unicss dis	tarbea or problem	anc.
Type:	Rock	/Fill							
Depth (in	iches):	5					Hydric Soil Present?	Yes	No X
Remarks:									



Upland P2-E-6 & P2-F-5- View facing west



Upland P2-E-6 & P2-F-5- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE Package 2		City/County: Fort An	n / Washington County	Sampling Date: 05/26/22
Applicant/Owner: TDI			State: NY	Sampling Point: WET P2-F-9
Investigator(s): C. Scrivner and K. Weiskotte	n	Section, Tov	wnship, Range:	_
Landform (hillside, terrace, etc.): Flat	Local re	elief (concave, conve	x, none): None	Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 43.41814		-73.48529	· Datum:
Soil Map Unit Name: Limerick silt loam (Lm)			NWI classification:	
· - · · · ·		Vac. V		
Are climatic / hydrologic conditions on the site		Yes X	<u> </u>	explain in Remarks.)
Are Vegetation, Soil, or Hydro			nal Circumstances" prese	
Are Vegetation, Soil, or Hydro	logynaturally problemat	ic? (If needed	d, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach	site map showing sam	pling point loca	tions, transects, ir	mportant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Ar	ea	
Hydric Soil Present?	Yes X No	within a Wetland?		No
Wetland Hydrology Present?	Yes X No		tland Site ID: Near flag	
Remarks: (Explain alternative procedures he Red maple hardwood swamp.	yo or in a coparate reportly			
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (r	ninimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks	s (B6)
Surface Water (A1)	X Water-Stained Leaves (B	9)	X Drainage Patterns	(B10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	316)
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	
Water Marks (B1)	Hydrogen Sulfide Odor (C		Crayfish Burrows (0	,
Sediment Deposits (B2)	Oxidized Rhizospheres or			on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed	, ,
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	Geomorphic Position	` '
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7) Other (Explain in Remark	c)	Shallow Aquitard (E Microtopographic R	
Sparsely Vegetated Concave Surface (B		5)	X FAC-Neutral Test (I	` '
Field Observations:			X 1710 Neutral Test (
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches):		d Hydrology Present?	Yes X No
(includes capillary fringe)			, 0,	
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, prev	vious inspections), if	available:	
Remarks:				

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Populus deltoides	35	Yes	FAC	Number of Burning Country
2. Fraxinus pennsylvanica	25	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:6 (A)
3. Ulmus americana	10	No	FACW	Total Number of Dominant
4.				Species Across All Strata: 7 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 85.7% (A/B)
7				Prevalence Index worksheet:
	70	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species 0 x 1 = 0
1. Fraxinus pennsylvanica	20	Yes	FACW	FACW species 140 x 2 = 280
2. Rhamnus cathartica	10	Yes	FAC	FAC species 55 x 3 = 165
3. Lonicera morrowii	10	Yes	FACU	FACU species15 x 4 =60
4. Ulmus americana	5	No	FACW	UPL species 0 x 5 = 0
5.		'		Column Totals: 210 (A) 505 (B)
5.				Prevalence Index = B/A = 2.40
7.		(<u> </u>		Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Lysimachia nummularia	30	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Onoclea sensibilis	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Fraxinus pennsylvanica	10	No	FACW	data in Remarks or on a separate sheet)
4. Ribes americanum	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Parthenocissus quinquefolia	5	No	FACU	<u> </u>
6. Solidago rugosa	5	No	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Solidago gigantea	5	No	FACW	Definitions of Vegetation Strata:
B. Equisetum arvense	5	No	FAC	
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.				
	95	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		- Total Cover		
				Woody vines – All woody vines greater than 3.28 ft in height.
				noight.
				Hydrophytic
4.				Vegetation Present? Yes X No
+		=Total Cover		Present? Yes X No No
		= Fotal Cover		

Sampling Point: WET P2-F-9

SOIL Sampling Point: WET P2-F-9

Profile Desci Depth	ription: (Describe t Matrix	o the de		ment the x Feature		tor or co	nfirm the absence of i	ndicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	arks
0-5	10YR 2/1	100					Loamy/Clayey		
5-16	10YR 3/1	85	10YR 2/1	5	С	M	Loamy/Clayey	Faint redox co	oncentrations
			10YR 5/4	5	С			Distinct redox of	concentrations
			10YR 4/4	5	С	M		Distinct redox of	concentrations
¹ Type: C=Co	ncentration, D=Deple	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		_=Pore Lining, M=M	
Hydric Soil In								or Problematic Hyd	
Histosol (•		Dark Surface (. (CO) (I	DD D		ck (A10) (LRR K, L,	
Black His	pedon (A2) tic (A3)		Polyvalue Belo MLRA 149B		æ (58) (I	KK K,		airie Redox (A16) (L cky Peat or Peat (S3	
	Sulfide (A4)		Thin Dark Surf	,	(LRR R.	MLRA 1		e Below Surface (S8	
	Layers (A5)		High Chroma S					k Surface (S9) (LRR	
	Below Dark Surface	(A11)	Loamy Mucky					ganese Masses (F1	
	k Surface (A12)	` ,	Loamy Gleyed			, ,		t Floodplain Soils (F	
	odic (A17)		Depleted Matri					ent Material (F21) (o	
(MLR	A 144A, 145, 149B)		X Redox Dark Su	urface (F	6)		Very Sha	illow Dark Surface (I	F22)
Sandy Mu	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Ex	xplain in Remarks)	
Sandy GI	eyed Matrix (S4)		Redox Depres	sions (F8	3)				
Sandy Re	edox (S5)		Marl (F10) (LR	R K, L)			³ Indicator	rs of hydrophytic ve	getation and
Stripped	Matrix (S6)		Red Parent Ma	aterial (F2	21) (MLF	RA 145)	wetland	d hydrology must be	e present,
							unless	disturbed or problem	matic.
	ayer (if observed):								
Type:	-l \·						Unadaia Cail Dassasa	40 V \	/ N-
Depth (in	ches):						Hydric Soil Presen	t? Yes X	
Remarks:									
ı									



Wetland P2-F-9- View facing southwest



Wetland P2-F-9- 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

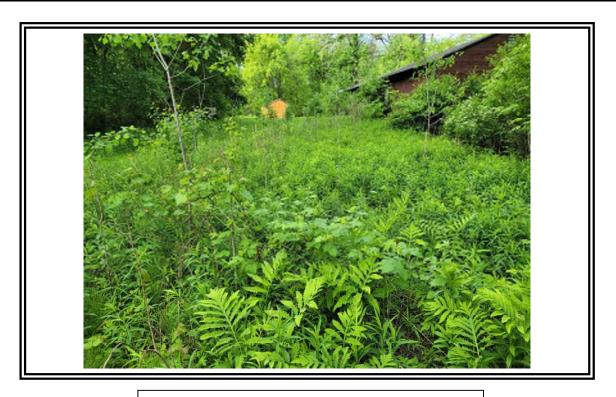
OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE Package 2		City/County: Fort Ann / Washington County	Sampling Date: 05/26/22
Applicant/Owner: TDI		State: NY	Sampling Point: UPL P2-F-9
Investigator(s): C. Scrivner and K. Weiskotte	n	Section, Township, Range:	
Landform (hillside, terrace, etc.): Flat		elief (concave, convex, none): None	Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 43.41807	Long: -73.48509	Datum: WGS 84
Soil Map Unit Name: Limerick silt loam (Lm)		NWI classification:	
·			
Are climatic / hydrologic conditions on the site	,		, explain in Remarks.)
Are Vegetation, Soil, or Hydro			sent? Yes X No
Are Vegetation, Soil, or Hydro	ologynaturally problemate	tic? (If needed, explain any answers in	n Remarks.)
${\bf SUMMARY\ OF\ FINDINGS-Attach}$	site map showing samp	oling point locations, transects, in	nportant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Area	
Hydric Soil Present?	Yes X No	within a Wetland? Yes	No X
Wetland Hydrology Present?	Yes No X	If yes, optional Wetland Site ID:	<u> </u>
		ii yes, optional wettand one ib.	
Remarks: (Explain alternative procedures he Successional old field.	ere or in a separate report.)		
ouccessional old field.			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Crack	ks (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	r Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (0		(C8)
Sediment Deposits (B2)	Oxidized Rhizospheres o	· · · —	on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iro	on (C4) Stunted or Stresse	ed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6) Geomorphic Positi	ion (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	· —		, ,
Sparsely Vegetated Concave Surface (B	8)	FAC-Neutral Test	(D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes Saturation Present? Yes	No X Depth (inches):		
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present?	Yes NoX
(includes capillary fringe)			
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, prev	vious inspections), if available:	
Remarks:			

EGETATION – Use scientific names of pla		Desirent	L. P. L.	Sampling Poin		-F-9		
ree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
. Populus deltoides	10	Yes	FAC	Number of Dominant Species				
. Pinus strobus	5	Yes	FACU	That Are OBL, FACW, or FAC:	6	(A)		
. Tilia americana	5	Yes	FACU	Total Number of Dominant				
·			1	Species Across All Strata:	11	(B)		
i				Percent of Dominant Species				
i				That Are OBL, FACW, or FAC:	54.5%	_(A/B		
			1	Prevalence Index worksheet:				
	20	=Total Cover		Total % Cover of:	Multiply by:			
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1	= 0			
. Populus deltoides	15	Yes	FAC	FACW species 25 x 2	= 50			
2. Lonicera morrowii	10	Yes	FACU	FAC species 60 x 3	= 180			
8. Rubus allegheniensis	5	No	FACU	FACU species 60 x 4	= 240			
. Rubus occidentalis	5	No	UPL	UPL species 10 x 5	= 50			
5.				Column Totals: 155 (A)	520	(B		
<u> </u>			<u> </u>	Prevalence Index = B/A =	3.35			
				Hydrophytic Vegetation Indicator	's:			
	35	=Total Cover		1 - Rapid Test for Hydrophytic	Vegetation			
Herb Stratum (Plot size: 5')		-		X 2 - Dominance Test is >50%	J			
. Galium mollugo	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹				
2. Onoclea sensibilis	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide s		upporting		
3. Taraxacum officinale	10	Yes	FACU	data in Remarks or on a sep		•		
. Equisetum arvense	10	Yes	FAC	Problematic Hydrophytic Vege	tation ¹ (Expla	ain)		
. Equisetum arvense	10	Yes	FAC	<u> </u>				
i. Populus deltoides	10	Yes	FAC	¹ Indicators of hydric soil and wetlan present, unless disturbed or proble		must l		
Toxicodendron radicans	5	No	FAC	Definitions of Vegetation Strata:				
s. Parthenocissus quinquefolia	5	No	FACU					
Daucus carota	5	No	UPL	Tree – Woody plants 3 in. (7.6 cm) at breast height (DBH), regardless		iamet		
Valeriana dioica	5	No	FACW					
Laportea canadensis	5	No	FACW	Sapling/shrub – Woody plants les and greater than or equal to 3.28 ft		DBH		
2.				and ground man or equal to elected	(,			
	100	=Total Cover		Herb – All herbaceous (non-woody of size, and woody plants less than		ardles		
Voody Vine Stratum (Plot size: 30')	100	_ Total Cover						
				Woody vines – All woody vines gre	eater than 3.2	28 ft in		
				height.				
				Hydrophytic				
3		· ——		Vegetation	No			
l		T-1-1-0		Present? Yes X	No			
		=Total Cover						

SOIL Sampling Point: UPL P2-F-9

Profile Desci	ription: (Describe t Matrix	o the de		ment the x Feature		tor or co	nfirm the absence of in	dicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	emarks	j
0-10	10YR 3/1	100					Loamy/Clayey			
10-16	10YR 4/1	90	10YR 5/6	2	С	M	Sandy	Prominent red	dox cor	ncentrations
10 10	101111111						Carray			
			10YR 4/3	2	<u>C</u>	<u>M</u>		Distinct redo	x conc	entrations
4										
		etion, RM	I=Reduced Matrix, M	S=Mask	ed Sand	Grains.		Pore Lining, M		
Hydric Soil II Histosol (Dark Surface ((27)				Problematic H	-	
	ipedon (A2)		Polyvalue Belo		ce (S8) (I	RRR		k (A10) (LRR K irie Redox (A16		
Black His	. , ,		MLRA 149B) (OO) (I			ky Peat or Peat		
	n Sulfide (A4)		Thin Dark Surf	,	(LRR R,	MLRA 1		Below Surface		
Stratified	Layers (A5)		High Chroma S	Sands (S	11) (LRF	R K, L)	Thin Dark	Surface (S9) (L	RR K,	L)
X Depleted	Below Dark Surface	e (A11)	Loamy Mucky	Mineral (F1) (LRF	R K, L)	Iron-Mang	anese Masses	(F12) (LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed	Matrix (F	- 2)		Piedmont	Floodplain Soils	(F19)	(MLRA 149B)
	odic (A17)		Depleted Matri					, ,	•	ide MLRA 145)
•	A 144A, 145, 149B)		Redox Dark Su					ow Dark Surfac		1
	ucky Mineral (S1)		Depleted Dark				Other (Exp	olain in Remark	3)	
	leyed Matrix (S4) edox (S5)		Redox Depress Marl (F10) (LR		5)		³ Indicators	of hydrophytic	vedeta	tion and
	Matrix (S6)		Red Parent Ma		21) (MLF	RA 145)		hydrology must		
- "	,			,	, (,		listurbed or prol	•	
Restrictive L	ayer (if observed):							·		
Type:										
Depth (in	ches):						Hydric Soil Present?	? Yes_	Χ	No
Remarks:							•			



Upland P2-F-9- View facing south



Upland P2-F-9- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/16/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-FF-Up
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Footslopes Local	relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,24',47.58"N	Long: 73°,29',08.75"W Datum:
Soil Map Unit Name: Kingsbury Silty Clay	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	
	T
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No _X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Railroad ROW	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (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 (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 Iron	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	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:	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
I. Populus deltoides	20	Yes	FAC	Dominance Test worksheet.
2. Fraxinus americana	10	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
s. Acer saccharum	10	Yes	FACU	
. Ulmus americana	5	No	FACW	Total Number of Dominant Species Across All Strata: 8 (B)
o. Omas americana			17011	(b)
				Percent of Dominant Species That Are OBL, FACW, or FAC: 12.5% (A/B)
o. 7.				Prevalence Index worksheet:
	45	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')			OBL species x 1 =
I. Rhus typhina	, 15	Yes	UPL	FACW species x 2 =
2. Lonicera tatarica	15	Yes	FACU	FAC species x 3 =
3.				FACU species x 4 =
ı.				UPL species x 5 =
· i.				Column Totals: (A) (B
				Prevalence Index = B/A =
;				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
. Setaria faberi	45	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Alliaria petiolata	10	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Solidago canadensis	15	Yes	FACU	data in Remarks or on a separate sheet)
L. Rubus allegheniensis	15	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Hackelia virginiana	5	No	FACU	 _
<u> </u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
3.	-			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.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
1.				and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb – All herbaceous (non-woody) plants, regardles
	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 15')			Woody vines – All woody vines greater than 3.28 ft in
ı				height.
2.				
				Hydrophytic Vegetation
3.				Present? Yes No X
4.				

SOIL Sampling Point: GR-FF-Up

Depth	Matrix	o the de	=	x Featur		itor or co	onfirm the absence of indic	ators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	rks
0-7	10YR 3/3	100					Loamy/Clayey		
7-12	10YR 4/1	100					Loamy/Clayey		
							<u> </u>		
¹ Type: C=Co	oncentration, D=Depl	etion, RM	1=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=Por	e Lining, M=Ma	ıtrix.
Hydric Soil					(00) (Indicators for Pro	-	
Histosol	(A1) pipedon (A2)		Polyvalue Belo MLRA 149B		ce (S8) (LKK K,		0) (LRR K, L, I Redox (A16) (LF	
Black Hi			Thin Dark Surfa	•	(LRR R	. MLRA [•]			(LRR K, L, R)
	n Sulfide (A4)		High Chroma S					w Surface (S8)	
	l Layers (A5)		Loamy Mucky I					ace (S9) (LRR	
Depleted	d Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganes	e Masses (F12	2) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri	` '			Piedmont Floo	dplain Soils (F1	9) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su						44A, 145, 149B)
	Sleyed Matrix (S4)		Depleted Dark				Red Parent Ma		00)
	ledox (S5) Matrix (S6)		Redox Depress Marl (F10) (LR		8)		Other (Explain)ark Surface (F: in Romarks)	22)
	rface (S7)		Mail (F10) (LR	K N, L)			Other (Explain	in Remarks)	
Bark 64	11400 (07)								
³ Indicators o	f hydrophytic vegetati	on and w	/etland hydrology mι	ust be pr	esent, ur	nless dist	urbed or problematic.		
	Layer (if observed):								
Type:									
Depth (ir	nches):						Hydric Soil Present?	Yes	NoX
Remarks:									



Upland G-R-FF- View facing North



Upland G-R-FF- View facing South

SITE PHOTOGRAPHS

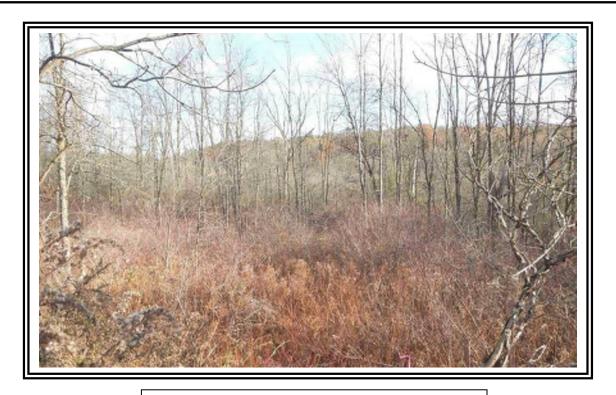
WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/16/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-FF-We
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Footslopes Local r	relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,24',47.58"N	Long: 73°,29',08.75"W Datum:
Soil Map Unit Name: Kingsbury Silty Clay	NWI classification: PFO/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 sam	
Commant of Theblives – Attach site map showing same	
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.)	
Both forested and emergent wetland communities.	
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	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 Parkurant Inc.	
Drift Deposits (B3) — Presence of Reduced Iro	
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:	A TAO-Neutral Test (BB)
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)	wetland Hydrology Fresent: Fes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
gaage, meaning neil, action process, pro	
Remarks:	

	Absolute	Dominant	Indicator		
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:	
. Fraxinus pennsylvanica	15	Yes	FACW	Number of Dominant Species	
. Fraxinus americana	10	Yes	FACU	That Are OBL, FACW, or FAC:	8 (A)
. Ulmus americana	10	Yes	FACW	Total Number of Dominant	
Acer negundo	5	<u>No</u>	FAC	Species Across All Strata:	(B)
5. Salix nigra	5	<u>No</u>	OBL	Percent of Dominant Species	
S				That Are OBL, FACW, or FAC:	80.0% (A/B)
7.				Prevalence Index worksheet:	
	45	=Total Cover		Total % Cover of:	Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species	x 1 =
1. Cornus racemosa	10	Yes	FAC	FACW species	x 2 =
2. Viburnum lentago	5	Yes	FAC	FAC species	x 3 =
3. Lonicera tatarica	5	Yes	FACU	FACU species	x 4 =
4		_		UPL species	x 5 =
5.				Column Totals:	(A) (B)
6.				Prevalence Index = B/A	=
7.				Hydrophytic Vegetation Indica	ators:
	20	=Total Cover		1 - Rapid Test for Hydrophy	tic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%	
1. Lythrum salicaria	15	Yes	OBL	3 - Prevalence Index is ≤3.0	
2. Epilobium coloratum	10	Yes	OBL	4 - Morphological Adaptatio	
3. Scirpus atrovirens	10	Yes	OBL	data in Remarks or on a	separate sheet)
4. Typha latifolia	10	Yes	FAC	Problematic Hydrophytic Ve	getation¹ (Explain)
5. Solidago canadensis	5	No	FACU	1,	
6.				¹ Indicators of hydric soil and we be present, unless disturbed or	
7.				Definitions of Vegetation Stra	
8.	-				
9.				Tree – Woody plants 3 in. (7.6 cd diameter at breast height (DBH)	
11				Sapling/shrub – Woody plants and greater than or equal to 3.2	
12.					, ,
12.	50	=Total Cover		Herb – All herbaceous (non-wood of size, and woody plants less the	
Woody Vine Stratum (Plot size: 15')		-10(a) 0070			
				Woody vines – All woody vines height.	greater than 3.28 ft in
				neight.	
				Hydrophytic	
3.				Vegetation	. .
4.		· ——		Present? Yes X	No
		=Total Cover			

SOIL Sampling Point: GR-FF-Wet

		to the de				ator or c	onfirm the absence of	f indicators.)
Depth	Matrix			x Featur			- .	
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-6	7.5YR 4/3	100						
6-14	10YR 5/1	97	10YR 5/6	3	С	M	Mucky Loam/Clay	Prominent redox concentrations
					<u> </u>			
							<u></u> , ,	_
			-					
								_
¹ Type: C=Co	oncentration, D=Depl	etion RN	=Reduced Matrix N	 /S=Mas	ked Sand		² l ocation: P	L=Pore Lining, M=Matrix.
Hydric Soil		Cuon, rui	T Troduced Wattix, I	710 IVIGO	Rea Gain	a Grains.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R,		ick (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		MLRA 149B		() (,		rairie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf	ace (S9	(LRR R	, MLRA		icky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LR I	R K, L)	—— Polyvalu	e Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K , L)	Thin Dar	k Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		X Depleted Matri	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic S _l	oodic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark	Surface	(F7)			ent Material (F21)
	edox (S5)		Redox Depres		8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	RK, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
³ Indicators o	f hydronhytic yegetati	ion and v	etland bydrology mi	iet ha ni	ocont III	aloce die	turbed or problematic.	
	Layer (if observed):		retiand hydrology mic	ast be pi	esent, ui	iless dis	dibed of problematic.	
Type:	-ayo. (o.co. voa).							
Depth (ir	nches):						Hydric Soil Presei	nt? Yes X No
Remarks:								
	m is revised from No	rthcentra	and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,
	2015 Errata. (http://w							, , , , , , , , , , , , , , , , , , , ,



Wetland G-R-FF- View facing Northeast



Wetland G-R-FF- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/16/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-GG-Up
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Footslopes Local	relief (concave, convex, none): Concave Slope %: 0
	Long: 73°,29',09.37"W Datum:
Soil Map Unit Name: Kingsbury Silty Clay	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 disturi	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No_X_
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Railroad ROW	
Railroad ROW	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor ((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 ir	n Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	rks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	-
Surface Water Present? Yes No X Depth (inches):	:
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

	Absolute	Dominant	Indicator	
Free Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
. Populus deltoides	20	Yes	FAC	Number of Dominant Species
. Acer saccharum	10	Yes	FACU	That Are OBL, FACW, or FAC:1 (A)
. Fraxinus americana	10	Yes	FACU	Total Number of Dominant
				Species Across All Strata: 8 (B)
i				Percent of Dominant Species
i				That Are OBL, FACW, or FAC: 12.5% (A/B)
				Prevalence Index worksheet:
	40	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')	ı			OBL species x 1 =
. Rhus typhina	15	Yes	UPL	FACW species x 2 =
Lonicera tatarica	30	Yes	FACU	FAC species x 3 =
· · · · · · · · · · · · · · · · · · ·	'			FACU species x 4 =
				UPL species x 5 =
i				Column Totals: (A) (B
s	·			Prevalence Index = B/A =
·				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
. Setaria faberi	30	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Solidago canadensis	25	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supportin
3. Alliaria petiolata	5	No	FACU	data in Remarks or on a separate sheet)
. Hackelia virginiana	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				<u> </u>
S				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.				Sapling/shrub – Woody plants less than 3 in. DBH
1.	'			and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb – All herbaceous (non-woody) plants, regardless
	65	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Voody Vine Stratum</u> (Plot size: 15')				Manaka dinana Allamanda dinana manaka dham 2 20 ft in
. Rubus allegheniensis	15	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft ir height.
<u> </u>				
3.				Hydrophytic
				Vegetation Present? Yes No X
· -	15	=Total Cover		Tresent: Tes NoX
	10	I Otal OUVE		

SOIL Sampling Point: GR-GG-Up

Depth	Matrix			x Featur	es		nfirm the absence of indica		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	ks
0-3	10YR 4/2	100					Loamy/Clayey		
3-12	10YR 3/4	100					Loamy/Clayey		
							_		
¹ Type: C=C	oncentration, D=Depl	etion, RM:		1S=Mas	ked Sand	Grains.	² Location: PL=Pore	Lining, M=Ma	trix.
Hydric Soil		,					Indicators for Prob		•
Histosol			Polyvalue Belo		ce (S8) (I	_RR R,	2 cm Muck (A10)) (LRR K, L, I	MLRA 149B)
	oipedon (A2)		MLRA 149B				Coast Prairie R		
	stic (A3)	-	Thin Dark Surfa						
	en Sulfide (A4)	-	High Chroma S				Polyvalue Belov		
	d Layers (A5) d Below Dark Surface	(Δ11)	Loamy Mucky I Loamy Gleyed			(K, L)	Thin Dark Surfa Iron-Manganese		
	ark Surface (A12)		Depleted Matrix		1 2)				9) (MLRA 149B)
	Mucky Mineral (S1)	-	Redox Dark Su	` '	6)				44A, 145, 149B)
	Gleyed Matrix (S4)	•	Depleted Dark				Red Parent Mat		, , ,
	Redox (S5)	•	Redox Depress				Very Shallow D		22)
Stripped	l Matrix (S6)	-	Marl (F10) (LR	RK,L)			Other (Explain i	n Remarks)	
Dark Su	rface (S7)								
31	f budaanbutia waastati		- tl - m d b. ; d m - l - m ;			ماماله معاد	un a di a u muah lamatia		
indicators o	f hydrophytic vegetati Layer (if observed):	on and we	stiand hydrology mu	ist be pr	esent, ur	ness alsa	urbed or problematic.		
Restrictive	, (0.000								
									No_X
Type:	nches):						Hydric Soil Present?	Yes	
Type: Depth (ii	nches):		<u> </u>				Hydric Soil Present?	Yes	
Type:	nches):						Hydric Soil Present?	Yes	
Type: Depth (ii	nches):						Hydric Soil Present?	Yes	<u> </u>
Type: Depth (ii	nches):						Hydric Soil Present?	Yes	<u> </u>
Type: Depth (ii	nches):						Hydric Soil Present?	Yes	
Type: Depth (ii	nches):						Hydric Soil Present?	Yes	
Type: Depth (ii	nches):						Hydric Soil Present?	Yes	
Type: Depth (ii	nches):						Hydric Soil Present?	Yes	
Type: Depth (ii	nches):						Hydric Soil Present?	Yes	
Type: Depth (ii	nches):						Hydric Soil Present?	Yes	
Type: Depth (ii	nches):						Hydric Soil Present?	Yes	
Type: Depth (ii	nches):						Hydric Soil Present?	Yes	
Type: Depth (ii	nches):						Hydric Soil Present?	Yes	



Upland G-R-GG- View facing North



Upland G-R-GG- View facing South

SITE PHOTOGRAPHS

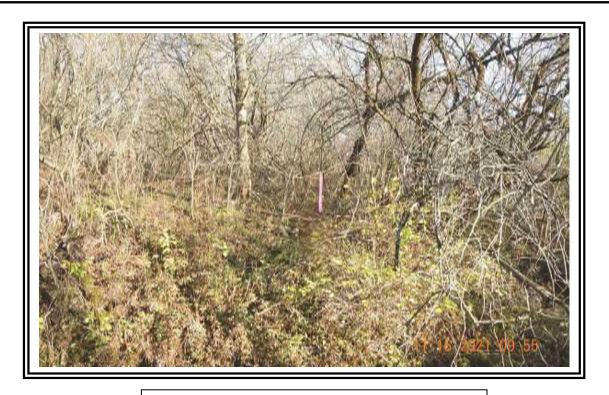
WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/16/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-GG-Wet
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Footslopes Local	relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,24',15.11"N	Long: 73°,29',09.37"W Datum:
Soil Map Unit Name: Kingsbury Silty Clay	NWI classification: PFO/PSS/PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	
	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly 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:
Remarks: (Explain alternative procedures here or in a separate report.)	
The marker (Explain alternative presentation for a separate reporting	
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	B9) X 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	
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 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):	
Saturation Present? Yes No _X Depth (inches): (includes capillary fringe)	: Wetland Hydrology Present? Yes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	avious inspections) if available:
besome recorded bata (stream gauge, monitoring well, acrial photos, pre	, vious inspections), it available.
Remarks:	

	Abaaluta	Dominant	Indicator		
Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
. Acer negundo	25	Yes	FAC	Number of Dominant Species	
. Acer rubrum	10	Yes	FAC	That Are OBL, FACW, or FAC: 5	(A)
. Ulmus americana	10	Yes	FACW	Total Number of Dominant	
					(B)
				Percent of Dominant Species That Are OBL, FACW, or FAC: 71.4%	(A/B
				Prevalence Index worksheet:	(,,,,
•	45	=Total Cover		Total % Cover of: Multiply by:	
apling/Shrub Stratum (Plot size: 15')				OBL species x 1 =	_
. Cornus racemosa	15	Yes	FAC	FACW species x 2 =	_
Lonicera tatarica	15	Yes	FACU	FAC species x 3 =	_
. Viburnum recognitum	5	No	FAC	FACU species x 4 =	
. Staphylea trifolia	5	No	FAC	UPL species x 5 =	
				Column Totals: (A)	— (В
				Prevalence Index = B/A =	_
				Hydrophytic Vegetation Indicators:	
	40	=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	
. Solidago canadensis	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supp	portir
. Alliaria petiolata	 5	No	FACU	data in Remarks or on a separate sheet)	
Symphyotrichum novae-angliae	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explai	n)
<u></u>					
				¹ Indicators of hydric soil and wetland hydrology r be present, unless disturbed or problematic.	านรัเ
				Definitions of Vegetation Strata:	
				Tree – Woody plants 3 in. (7.6 cm) or more in	
				diameter at breast height (DBH), regardless of he	∍ight
0				Sapling/shrub – Woody plants less than 3 in. Di	вн
1				and greater than or equal to 3.28 ft (1 m) tall.	
2				Herb – All herbaceous (non-woody) plants, regal	rdles
	35	=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 3.2	8 ft ii
				height.	
•				Hydrophytic Vegetation	
				Present? Yes X No	
		=Total Cover			
	ate sheet.)				

SOIL Sampling Point: GR-GG-Wet

Profile Des	cription: (Describe	to the de	pth needed to docւ	ıment t	ne indica	tor or co	nfirm the absence o	f indicators.)
Depth	Matrix			x Featur	es			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 4/2	100						
8-15	10YR 5/1	97	10YR 5/6	3	<u>C</u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations
				<u></u>	<u> </u>	·		
					<u> </u>	·		
	-			_	_	<u> </u>		
1	Name and the state of the state	letter D'	In Denduce of Market 12	40-14-			21	U - Dana Linina M-M-M-
	Concentration, D=Dep Indicators:	letion, RM	I=Reduced Matrix, N	1S=Mas	ked Sand	Grains.		L=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :
Histoso Histic E Black F Hydrog Stratifie Deplete Thick D Sandy F Sandy F Strippe Dark St	I (A1) Epipedon (A2) Ilistic (A3) En Sulfide (A4) Ed Layers (A5) Ed Below Dark Surface Park Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Ed Matrix (S6) Eurface (S7) Entry Entry Exercise Exercise (S7) Exercise (S6) Exercise (S7) Exercise (S7) Exercise (S7) Exercise (S7) Exercise (S7)	tion and w	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 (F R K, L)	(LRR R 611) (LRF (F1) (LRF F2) F6) (F7) 8)	, MLRA 1 R K, L) R K, L)	2 cm Mu Coast Pr 5 cm Mu Polyvalu Thin Dan Iron-Mar Piedmor Mesic Sr Red Par Very Sh: Other (E	rairie Redox (A16) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) rairie Redox (A16) (LRR K, L, R) rairie Redox (S3) (LRR K, L, R) rairie Redox Surface (S8) (LRR K, L) rairie Redox Surface (S8) (LRR K, L) rairie Redox Surface (S9) (LRR K, L) rairie Redox Surface (F12) (LRR K, L, R) rairie Redox (S9) (LRR K, L) rairie Redox Surface (F12) (MLRA 149B) redox (TA6) (MLRA 144A, 145, 149B) rent Material (F21) rairie Redox (F22) rairie Redox (F22) rairie Redox (A16) (MLRA 144A, 145, 149B) rent Material (F21) rairie Redox (A16) (MLRA 144A, 145, 149B)
Type:	Layer (if observed):							
Depth (inches):						Hydric Soil Prese	nt? Yes X No
	orm is revised from No., 2015 Errata. (http://v							CS Field Indicators of Hydric Soils,



Wetland G-R-GG- View facing North



Wetland G-R-GG- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Fort Anne/Washington Sampling Date: 5.11.22
Applicant/Owner: TDI	State: NY Sampling Point: CB-4 Wet
Investigator(s): John Greaves & Nicole Frazer	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression Local	relief (concave, convex, none): Concave Slope %: 5
Subregion (LRR or MLRA): LRR R Lat: 43.403610	Long: _73.486422
Soil Map Unit Name: KbA - Kingsbury silty clay, 0 to 2 percent slopes	NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or 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
Hydrophytic Vegetation Present? Hydric Soil Present? Yes X No Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Shrub swamp	
·	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) X Water-Stained Leaves (B	B9) Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·
X Sediment Deposits (B2) Oxidized Rhizospheres of Reduced by Processes of Reduced by	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction ir Thin Muck Surface (C7)	· / — · · /
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark)	
X Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	:
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Remarks.	

	Absolute	Dominant	Indicator	
<u>Free Stratum</u> (Plot size:30)	% Cover	Species?	Status	Dominance Test worksheet:
Salix nigra	8	Yes	OBL	Number of Dominant Species
2. Ulmus americana	8	Yes	FACW	That Are OBL, FACW, or FAC: 7 (A)
3. Fraxinus pennsylvanica	8	Yes	FACW	Total Number of Dominant
				Species Across All Strata: 7 (B)
5				Percent of Dominant Species
S				That Are OBL, FACW, or FAC: 100.0% (A/B
·	. <u></u>			Prevalence Index worksheet:
	24	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15))			OBL species13 x 1 =13
. Cornus amomum	40	Yes	FACW	FACW species 106 x 2 = 212
. Fraxinus pennsylvanica	20	Yes	FACW	FAC species 5 x 3 = 15
Acer rubrum	5	No No	FAC	FACU species 0 x 4 = 0
				UPL species 0 x 5 = 0
j.				Column Totals: 124 (A) 240 (B
				Prevalence Index = B/A = 1.94
				Hydrophytic Vegetation Indicators:
	65	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
. Cornus amomum	15	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
. Onoclea sensibilis	10	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex lupulina	5	No	OBL	data in Remarks or on a separate sheet)
. Solidago gigantea	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
o.				
·				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				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.
				and greater than or equal to 3.20 it (1 iii) tail.
2	25	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles
Moody Vine Stratum (Blot size) 20	35	- Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Voody Vine Stratum</u> (Plot size:30))			Woody vines – All woody vines greater than 3.28 ft i
				height.
<u> </u>				Hydrophytic
·				Vegetation
·				Present?
		=Total Cover		

SOIL Sampling Point CB-4 Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth	Matrix	0/		K Featur		1 2	Taydyma	Domonika	
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture	Remarks	
0-1	10YR 2/1	_100_					Loamy/Clayey		
1-16	10YR 3/1	75	10YR 3/6	25	c	<u>m</u>	Loamy/Clayey	Prominent redox concentrations	
									
¹ Type: C=Ce	oncentration, D=Deple	etion, RN	/=Reduced Matrix, M	IS=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.	
								or Problematic Hydric Soils ³ :	
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 149						49B) 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)			
	ark Surface (A12)	Depleted Matrix (F3) X Redox Dark Surface (F6)				Piedmont Floodplain Soils (F19) (MLRA 149B)			
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)			Depleted Dark Surface (F7)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21)		
Sandy Gleyed Matrix (34) Sandy Redox (S5)			? Redox Depressions (F8)				Very Shallow Dark Surface (F22)		
Stripped Matrix (S6)			Mari (F10) (LRR K, L)				Other (Explain in Remarks)		
Dark Surface (S7)								,	
	, ,								
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.									
Restrictive Layer (if observed):									
Туре:									
Depth (ii	nches):						Hydric Soil Presei	nt? Yes X 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)									



Wetland CB near flag CB-4 - View facing south



Wetland CB-4- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS