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 Upl
Investigator(s): John Greaves & Nicole Frazer	Section, Township, Range:
· · · · · · · · · · · · · · · · · · ·	relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43.403763	Long: -73.486484 Datum: NAD83
Soil Map Unit Name: KbA - Kingsbury silty clay, 0 to 2 percent slopes	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing same	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:
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 (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) — Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _x Depth (inches)	
Water Table Present? Yes No _x Depth (inches)	
Saturation Present? Yes No x Depth (inches)	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Develop	
Remarks:	

	ınts.			Sampling Point: CB-4 Upl			
<u>Free Stratum</u> (Plot size:30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
. Fraxinus americana	25	Yes	FACU	Number of Dominant Species			
2. Rhamnus cathartica	15	Yes	FAC	That Are OBL, FACW, or FAC: (A)			
3. Juniperus virginiana	10	No	FACU	Total Number of Dominant			
. Ulmus americana	5	No	FACW	Species Across All Strata: 8 (B)			
5.				Percent of Dominant Species			
).				That Are OBL, FACW, or FAC: 25.0% (A/B)			
·				Prevalence Index worksheet:			
	55	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0			
Lonicera morrowii	35	Yes	FACU	FACW species 23 x 2 = 46			
2. Zanthoxylum americanum	35	Yes	FACU	FAC species 25 x 3 = 75			
3. Prunus serotina	10	No	FACU	FACU species 165 x 4 = 660			
l.				UPL species 8 x 5 = 40			
;. ;.				Column Totals: 221 (A) 821 (B			
				Prevalence Index = B/A = 3.71			
·				Hydrophytic Vegetation Indicators:			
	80	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Jorh Stratum (Plataiza: F.)		- Total Cover		2 - Dominance Test is >50%			
Herb Stratum (Plot size: 5)	20	Vaa	FACIL				
Alliaria petiolata	30	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide supporting			
2. Taraxacum officinale	10	Yes	FACU	data in Remarks or on a separate sheet)			
3. Galium obtusum	10	Yes	FACW	Parkland die Underwerdie Verschaften 1 (Fortein)			
l. Solidago gigantea	8	No No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Fragaria vesca	8	No No	<u>UPL</u>	- Indicators of hydric soil and wetland hydrology must			
S. Lactuca canadensis	5	<u>No</u>	<u>FACU</u>	be present, unless disturbed or problematic.			
7. Geum canadense	5	No	FAC_	Definitions of Vegetation Strata:			
3. Zizia aurea	5	No	FAC_	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.				and greater than or equal to 3.20 it (1 iii) tail.			
	81	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles			
Manda Mana Charles (District)	01	- rotal Cover		of size, and woody plants less than 3.28 ft tall.			
Noody Vine Stratum (Plot size: 30)	-		E4011	Woody vines – All woody vines greater than 3.28 ft in			
Parthenocissus quinquefolia	5	Yes	<u>FACU</u>	height.			
2				Hydrophytic			
3				Vegetation			
!.				Present?			
		=Total Cover					

SOIL Sampling Point CB-4 Upl

Profile Desci	ription: (Describe t Matrix	o the de	=	ument tl x Featur		ator or co	onfirm the absence of i	ndicators.)
(inches)	Color (moist)	%	Color (moist)	% " Calui	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 3/2	100			.,,,,,		Loamy/Clayey	. Temante
			40)/D 4/0					Birth of a decrease decision
4-18	10YR 4/3	92	10YR 4/6	8	<u> </u>	<u>m</u>	Loamy/Clayey	Distinct redox concentrations
1T C-C-			4-Dadus ad Matrix A				21 + i D1 -	-Dave Lining M-Matrix
Hydric Soil I	ncentration, D=Deple	etion, Riv	i=Reduced Matrix, N	iS=ivias	ked Sand	Grains.		Pore Lining, M=Matrix. Problematic Hydric Soils ³ :
Histosol (Polyvalue Belo	w Surfa	ce (S8) (LRR R,		(A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		() (•		rie Redox (A16) (LRR K, L, R)
Black His	itic (A3)		Thin Dark Surfa	ace (S9)) (LRR R	, MLRA 1	49B) 5 cm Muck	sy Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Bands (S	611) (LRI	₹ K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			anese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri					Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su	•	,			dic (TA6) (MLRA 144A, 145, 149B)
	eyed Matrix (S4)		— Depleted Dark Redox Depress					t Material (F21)
Stripped	Matrix (S6)		Marl (F10) (LR	•	0)			ow Dark Surface (F22) lain in Remarks)
— Dark Surl			Wan (1 10) (LIX	IX IX, L)			Other (Exp	
	.400 (01)							
³ Indicators of	hydrophytic vegetati	on and w	vetland hydrology mu	ıst be pr	resent, ui	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Type: _								
Depth (in	ches):						Hydric Soil Present?	? Yes No _X
Remarks:								
	n is revised from Nor 2015 Errata. (http://w							Field Indicators of Hydric Soils,
version 7.0, 2	2015 Effata. (Http://w	ww.mcs.	usua.gov/internet/F3	3E_DOC	JOIVIENT	3/1110514/	2p2_031293.d0cx)	



Upland CB near flag CB-4 - View facing west



Upland CB-4 - Soils

Segment 3 - Package 2

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: CC-4 Wet
Investigator(s): John Greaves & Nicole Frazer	Section, Township, Range:
	relief (concave, convex, none): Concave Slope %: 5
Subregion (LRR or MLRA): LRR R Lat: 43.403082	Long: -73.486544 Datum: NAD83
Soil Map Unit Name: KbA - Kingsbury silty clay, 0 to 2 percent slopes	NWI classification: PEM2
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Shallow emergent marsh.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained Leaves (I	B9) Drainage Patterns (B10)
X High Water Table (A2) X 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 X No Depth (inches):	
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	:0 Wetland Hydrology Present? YesX No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Remarks:	

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	10	Yes	FACW	
2.		163		Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3				Total Number of Dominant Species Across All Strata:3(B)
5.				Percent of Dominant Species 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: 15)		- Total Cover		OBL species 65 x 1 = 65
1. Cornus amomum	10	Yes	FACW	FACW species 20 x 2 = 40
2.				FAC species 0 x 3 = 0
3.				FACU species 5 x 4 = 20
4.				UPL species 0 x 5 = 0
E				Column Totals: 90 (A) 125 (B)
				Prevalence Index = B/A = 1.39
				Hydrophytic Vegetation Indicators:
<i>'</i>	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)		- Total Gover		X 2 - Dominance Test is >50%
· · · · · · · · · · · · · · · · · · ·	65	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
1. Peltandra virginica				4 - Morphological Adaptations ¹ (Provide supporting
2. Ribes cynosbati3.	5	No	<u>FACU</u>	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9 10.				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.				
	70	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	ate sheet.)	'		
Green algae abundant.	,			

Sampling Point: __CC-4 Wet

SOIL Sampling Point CC-4 Wet

	-	the dep				tor or co	nfirm the absence of ind	icators.)
•		0/				1 2	Tarduma	Domonika
Depth (inches)	Matrix Color (moist)	%	Redo:	x Featur	Type ¹	Loc ²	Texture	Remarks
		·						
¹ Type: C=Co	ncentration, D=Deple	tion, RM	=Reduced Matrix, M	1S=Masl	ked Sand	Grains.	² Location: PL=Po	pre Lining, M=Matrix.
Black His Hydrogen Stratified Depleted Thick Dar Sandy Mt Sandy Gl Sandy Re	A1) pedon (A2) tic (A3) Sulfide (A4) Layers (A5) Below Dark Surface K Surface (A12) ucky Mineral (S1) eyed Matrix (S4) Matrix (S6)	(A11)	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR) ace (S9) ands (S ands (S Mineral Matrix (x (F3) urface (F Surface Sions (F8)	(LRR R, 611) (LRF (F1) (LRF F2) 66) (F7)	MLRA 14 R K, L)	2 cm Muck (A Coast Prairie 5 cm Mucky N Polyvalue Be Thin Dark Su Iron-Mangane Piedmont Flo Mesic Spodic Red Parent N Very Shallow	oblematic Hydric Soils ³ : A10) (LRR K, L, MLRA 149B) Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R) Ilow Surface (S8) (LRR K, L) rface (S9) (LRR K, L) Pese Masses (F12) (LRR K, L, R) Odplain Soils (F19) (MLRA 149B) Atterial (F21) Dark Surface (F22) In in Remarks)
³ Indicators of	hydrophytic vegetatio	on and we	etland hydrology mu	ıst be pr	esent, ur	ıless distu	rbed or problematic.	
	ayer (if observed):						Hydric Soil Present?	Yes <u>X</u> No
Version 7.0, 2	n is revised from Nort 015 Errata. (http://ww t collected because t	ww.nrcs.u	ısda.gov/Internet/F೪	SE_DOO	 CUMENTS	S/nrcs142	p2_051293.docx)	eld Indicators of Hydric Soils,



Wetland CC near flag CC-4 - View facing south

Wetland CC-4 Soils not collected due to standing water/dominated by OBL plant species

Segment 3 - Package 2

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: CC-9 Wet
Investigator(s): John Greaves & Nicole Frazer	Section, Township, Range:
Landform (hillside, terrace, etc.): flat area Local r	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43.401725	Long: -73.487085 Datum: NAD83
Soil Map Unit Name: KbA - Kingsbury silty clay, 0 to 2 percent slopes	NWI classification: PFO1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	<u> </u>
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
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) X Water-Stained Leaves (E	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15) Multiplication (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (I	_
X Sediment Deposits (B2) — Oxidized Rhizospheres of Padused Irrs	
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	
X Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
	<u> </u>
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)	Wettallu nyulology Fleselit: 165 No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	L evious inspections), if available:
	Widdo mapadasias, ii dirandasia.
Remarks:	

Tree Stratum (Plot size: 30) 1. Acer saccharinum 2. Fraxinus pennsylvanica 3. Acer rubrum 4. 5. 6.	% Cover 35 35 10	Species? Yes Yes No	FACW FACW	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 9 (A)		
 Fraxinus pennsylvanica Acer rubrum 5. 	35	Yes		· ·		
4	10	No		· ·		
5.			FAC	Total Number of Dominant		
				Species Across All Strata: 11 (B)		
				Percent of Dominant Species		
·				That Are OBL, FACW, or FAC: 81.8% (A/B)		
7.				Prevalence Index worksheet:		
_	80	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:15)				OBL species10 x 1 =10		
1. Frangula alnus	10	Yes	FAC	FACW species 80 x 2 = 160		
2. Viburnum lentago	10	Yes	FAC	FAC species50 x 3 =150		
3. Lonicera morrowii	5	No	FACU	FACU species15 x 4 =60		
4. Zanthoxylum americanum	5	No	FACU	UPL species 5 x 5 = 25		
5. Viburnum dentatum	5	No	FAC	Column Totals: 160 (A) 405 (B)		
6.				Prevalence Index = B/A = 2.53		
7				Hydrophytic Vegetation Indicators:		
_	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size:5				X 2 - Dominance Test is >50%		
1. Carex stricta	10	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹		
2. Solidago gigantea	10	Yes	FACW	4 - Morphological Adaptations (Provide supporting		
3. Viburnum dentatum	5	Yes	FAC	data in Remarks or on a separate sheet)		
4. Viburnum lentago	5	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)		
5. Frangula alnus	5	Yes	FAC	- Indicators of hydric soil and wetland hydrology must		
6. Fragaria vesca	5	Yes	UPL	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:30)				Woody vines – All woody vines greater than 3.28 ft in		
1. Parthenocissus quinquefolia	5	Yes	FACU	height.		
2						
3				Hydrophytic Vegetation		
4				Present? Yes X No		
	5	=Total Cover				

Sampling Point: __CC-9 Wet

SOIL Sampling Point CC-9 Wet

Depth	Matrix	o the de		x Featur		ator or co	onfirm the absence o	i ilidicators.
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/1	100					Loamy/Clayey	
3-17	2.5Y 4/1	<u>70</u>	10YR 4/4	30	<u> </u>	<u>m</u>	Loamy/Clayey	Prominent redox concentrations
							·	
1Type: C=C	 oncentration, D=Deple		——————————————————————————————————————	 2CM=2N	—— ked Sand	———		PL=Pore Lining, M=Matrix.
Hydric Soil I		etion, Ki	1-Reduced Matrix, IV	io-iviasi	Keu San	J Grairis.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R,		uck (A10) (LRR K, L, MLRA 149B)
— Histic Ep	pipedon (A2)		MLRA 149B				? Coast Pi	rairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	1 49B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	811) (LR I	R K, L)	Polyvalu	ie Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky I	Mineral	(F1) (LR	RK, L)	Thin Dar	rk Surface (S9) (LRR K, L)
X Depleted	l Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		X Depleted Matrix	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su	ırface (F	⁻ 6)		Mesic S _l	podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark					ent Material (F21)
	edox (S5)		Redox Depress		8)			allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	RK, L)			Other (E	xplain in Remarks)
Dark Sur	face (S7)							
	, , , ,	on and v	vetland hydrology mu	ıst be pr	esent, u	nless dist	urbed or problematic.	
Type:	_ayer (if observed):							
Depth (ir	nches):						Hydric Soil Preser	nt? Yes <u>X</u> No
	m is revised from Nor 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,



Wetland CC near flag CC-9 - View facing south



Wetland CC-9 - Soils

Segment 3 - Package 2

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: cc-4 & 9 Upl
Investigator(s): John Greaves & Nicole Frazer	Section, Township, Range:
· · · · · · · · · · · · · · · · · · ·	relief (concave, convex, none): Convex Slope %:30
Subregion (LRR or MLRA): LRR R Lat: 43.402848	Long: -73.486557 Datum: NAD83
Soil Map Unit Name: KbA - Kingsbury silty clay, 0 to 2 percent slopes	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	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. Shared upland data point for areas adja	acent to Wetland CC.
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	<u> </u>
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction ir	
Iron Deposits (B5) — Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches):	: <u></u>
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No _X_
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

<u>Γree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Prunus serotina	60	Yes	FACU	
2. Populus tremuloides	30	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
	-			Total Number of Dominant Species Across All Strata: 5 (B)
·				
i.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B
•				Prevalence Index worksheet:
	90	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)			OBL species0 x 1 =0
. Lonicera morrowii	75	Yes	FACU	FACW species 0 x 2 = 0
. Prunus serotina	5	No	FACU	FAC species0 x 3 =0
				FACU species230 x 4 =920
				UPL species0 x 5 =0
·				Column Totals: 230 (A) 920 (B
i.				Prevalence Index = B/A = 4.00
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size: 5)				2 - Dominance Test is >50%
. Alliaria petiolata	50	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Phleum pratense	- 5	No No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
,, 				Definitions of Vegetation Strata:
3.				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of height
0 1				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb – All herbaceous (non-woody) plants, regardless
	55	=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
	5	Yes	<u>FACU</u>	height.
-				Hydrophytic
2.				
2.				Vegetation

SOIL Sampling Point <u>CC-4 & 9 Upl</u>

		o the de				tor or co	onfirm the absence of in	ndicators.)
Depth	Matrix			x Featur		. 2	- .	5
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 2/1	100					Loamy/Clayey	
· ———								_
¹ Type: C=C	oncentration, D=Deple			 AS=Mas	ked Sand	 I Grains	² l ocation: PI =	Pore Lining, M=Matrix.
Hydric Soil		J. 1011, 1 KI	Treadoca Matrix, IV	io ivido	Roa Garie	· Oranio.		Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RR R		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		00 (00) (.			rie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa	•	(LRR R	MLRA 1		y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S				· —	Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed			, _ /		nese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(, , , , ,	Depleted Matri		/			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		. 6)			dic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark		•			Material (F21)
	tedox (S5)		Redox Depress					ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	•	-,			lain in Remarks)
	rface (S7)			, —,				,
	11465 (51)							
³ Indicators o	f hydrophytic vegetation	on and v	vetland hydrology mu	ıst be pr	esent. ur	nless dist	urbed or problematic.	
	Layer (if observed):	orr arra r	rodana nyarology me	,ос во р	555111, 41	nooc alor	arbod or problematici	
Type:	Ballas	st						
•		7					Usalaia Cail Danaant?	Yes No Y
Depth (ii	iches).						Hydric Soil Present?	Yes No _X_
Remarks:								
	m is revised from Nor 2015 Errata. (http://w							Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (IIIIp.//w	ww.nrcs.	usua.gov/internet/F3	SE_DOC	OWENT	5/IIICS 14.	2p2_051295.d00x)	



Upland CC-4 & 9 - View facing south



Upland CC-4 & 9 - Soils

Segment 3 - Package 2

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: CC-42 Wet
Investigator(s): John Greaves & Nicole Frazer	Section, Township, Range:
	relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43,395112	Long: -73.489129 Datum: NAD83
Soil Map Unit Name: SB - Saprists, Aquepts, and Aquents	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 distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes X No 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)
X Surface Water (A1) Water-Stained Leaves (· · · · · · · · · · · · · · · · · · ·
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres of the control of th	
Drift Deposits (B3) Presence of Reduced In	_
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
X Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	:0 Wetland Hydrology Present? Yes _X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Remarks:	

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer saccharinum	25	Yes	FACW	
Acer rubrum	15	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:5(A)
3. 4.				Total Number of Dominant Species Across All Strata: 5 (B)
5.				Percent of Dominant Species 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: 15)		•		OBL species 70 x 1 = 70
1. Alnus incana	65	Yes	FACW	FACW species 115 x 2 = 230
2. Cornus amomum	 15	 No	FACW	FAC species 15 x 3 = 45
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 200 (A) 345 (B)
6		·		Prevalence Index = B/A = 1.73
7				Hydrophytic Vegetation Indicators:
1.	80	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)		- Total Cover		X 2 - Dominance Test is >50%
1. Carex stricta	40	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
	30		OBL	4 - Morphological Adaptations ¹ (Provide supporting
2. Symplocarpus foetidus		Yes		data in Remarks or on a separate sheet)
3. Osmundastrum cinnamomeum	10	No	FACW	
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.				To a Wood all de Oie (70 and a constitution
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10		·		Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12	80	- Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)		•		
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				The state of the s
2				Hydrophytic
1				Vegetation Present? Yes X No
4.		=Total Cover		Tresent: Tes_X
Demonstrate (Include whate numbers have an engage				
Remarks: (Include photo numbers here or on a separ	ate sneet.)			

Sampling Point: CC-42 Wet

SOIL Sampling Point CC-42 Wet

		the dep				tor or co	nfirm the absence of inc	licators.)
•		0/				1 2	Taydura	Damanka
Depth (inches)	Matrix Color (moist)	<u>%</u>		x Featur		Loc ²	Texture	Remarks
¹ Type: C=Co	ncentration, D=Deple	tion, RM	=Reduced Matrix, N	 IS=Mas	ked Sand	Grains.	² Location: PL=P	ore Lining, M=Matrix.
Hydric Soil Ir Histosol (Histic Epi Black His Hydrogen Stratified Depleted Thick Dar Sandy Mi Sandy Gl Sandy Re Stripped I Dark Surf	ndicators: A1) pedon (A2) tic (A3) Sulfide (A4) Layers (A5) Below Dark Surface K Surface (A12) Lucky Mineral (S1) Edox (S5) Matrix (S6)	(A11)	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed Depleted Matri: Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	w Surface (S9) Sands (S Mineral of Matrix (x (F3) urface (F Surface (F Surface (F R K, L)	ce (S8) (I) (LRR R, 611) (LRF (F1) (LRF F2) (6) (F7)	LRR R, MLRA 1. R K, L) R K, L)	Indicators for P 2 cm Muck (Coast Prairie 49B) 5 cm Mucky Polyvalue Be Thin Dark St Iron-Mangan Piedmont Fle Mesic Spodie Red Parent I Very Shallow Other (Expla	roblematic Hydric Soils ³ : A10) (LRR K, L, MLRA 149B) Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R) Relow Surface (S8) (LRR K, L) Urface (S9) (LRR K, L) Rese Masses (F12) (LRR K, L, R) Redodplain Soils (F19) (MLRA 149B) Red (TA6) (MLRA 144A, 145, 149B) Material (F21) V Dark Surface (F22) In in Remarks)
Type: _ Depth (in	ches):						Hydric Soil Present?	Yes No_X_
Version 7.0, 2	n is revised from Nori 2015 Errata. (http://ww t collected because ti	ww.nrcs.u	usda.gov/Internet/FS	SE_DOO	UMENT:	S/nrcs142	p2_051293.docx)	Field Indicators of Hydric Soils,



Wetland CC near flag CC-42 - View facing west



Wetland CC-42 - Soils

Segment 3 - Package 2

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: CC-42 Upl
Investigator(s): John Greaves & Nicole Frazer	Section, Township, Range:
	relief (concave, convex, none): Convex Slope %: 30
Subregion (LRR or MLRA): LRR R Lat: 43,394790	Long: -73.488999 Datum: NAD83
Soil Map Unit Name: SB - Saprists, Aquepts, and Aquents	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
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	<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	
Presence of Reduced Ir	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No _X Depth (inches):	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Demonto	
Remarks:	

Trop Stratum (Plot cizo: 20)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:		
Papulus tramulaidas		Species?	Status	Dominance Test worksheet:		
Populus tremuloides	25	Yes	FACU	Number of Dominant Species		
Acer rubrum	25	Yes	FAC	That Are OBL, FACW, or FAC:4 (A)		
Amelanchier canadensis	15	Yes	<u>FAC</u>	Total Number of Dominant		
·	-	- ——		Species Across All Strata: 8 (B)		
5 5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B		
:				Prevalence Index worksheet:		
	65	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15)		-		OBL species 0 $x 1 = 0$		
Frangula alnus	40	Yes	FAC	FACW species 15 x 2 = 30		
. Lonicera morrowii	20	Yes	FACU	FAC species 95 x 3 = 285		
				FACU species 80 x 4 = 320		
				UPL species 5 x 5 = 25		
				Column Totals: 195 (A) 660 (B		
				Prevalence Index = B/A = 3.38		
				Hydrophytic Vegetation Indicators:		
	60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5)		•		2 - Dominance Test is >50%		
. Maianthemum canadense	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹		
2. Frangula alnus	15	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supportin		
3. Aralia nudicaulis	10	No	FACU	data in Remarks or on a separate sheet)		
. Onoclea sensibilis	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)		
5. Pastinaca sativa	5	No	UPL	robernatio riyarophytic vegetation (Explain)		
5. Ulmus americana	5	No	FACW	 Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic. 		
onius americana			TACV	Definitions of Vegetation Strata:		
				Definitions of Vegetation Strata.		
),				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
				diameter at breast fleight (DBH), regardless of fleight.		
0				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
1				and greater than or equal to 3.26 it (1 m) tall.		
2		-T-1-1 C		Herb – All herbaceous (non-woody) plants, regardless		
Manda Vina Otastana (Diataina)	65	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Moody Vine Stratum (Plot size: 30)	_	.,	540 11	Woody vines – All woody vines greater than 3.28 ft in		
. <u>Vitis aestivalis</u>	5	Yes	<u>FACU</u>	height.		
2				Hydrophytic		
		- ——		Vegetation		
3				Present? Yes No _X		
i		=Total Cover				

SOIL Sampling Point CC-42 Upl

		o the de				tor or co	onfirm the absence of ind	icators.)
Depth (inches)	Color (moist)	%	Color (moist)	x Featur %	es Type ¹	Loc ²	Texture	Remarks
0-5	10YR 2/2	100	Color (moist)		Туре		Loamy/Clayey	Itemarks
5-9	10YR 3/2	100					Loamy/Clayey	
1- 0 0							2, ,, ,,	
Hydric Soil In	ncentration, D=Deple	etion, RM	1=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.		ore Lining, M=Matrix. oblematic Hydric Soils ³ :
Histosol (Polyvalue Belo	w Surfa	ce (S8) (I	LRR R.		10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		() (-	. ,		Redox (A16) (LRR K, L, R)
Black His	etic (A3)		Thin Dark Surfa	ace (S9)) (LRR R	, MLRA 1	49B) 5 cm Mucky F	Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S				Polyvalue Be	ow Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I			R K, L)		rface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			ese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matrix		-6)			odplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1) eyed Matrix (S4)		Redox Dark Su Depleted Dark	•	,		Red Parent M	(TA6) (MLRA 144A, 145, 149B)
Sandy Re			Redox Depress					Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	•	-,			n in Remarks)
Dark Surf				,			 ` ` `	,
		on and w	etland hydrology mu	ıst be pr	resent, ur	nless dist	urbed or problematic.	
Type:	ayer (if observed): Balla:	et						
-		9					Hydric Soil Present?	Voc. No. V
Depth (in		9					Hydric Soil Present?	Yes No _X_
Remarks: This data form	n is revised from Nor	thcentral	Land Northeast Regi	ional Su	nolemen	t Version	2.0 to include the NRCS Fi	eld Indicators of Hydric Soils,
	2015 Errata. (http://w							ora marcatore or riganic cone,



Upland CC near flag CC-42 - View facing east

Upland CC-42 – Soils photo not collected

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/Cou	nty: Fort Ann / Washington	Sampling Date: <u>10/31/2022</u>			
Applicant/Owner: TDI		State: NY	Sampling Point: Wet P2-H			
Investigator(s): C. Scrivner, J. Greaves		Section, Township, Range:				
Landform (hillside, terrace, etc.): Depression	Local relief (cond	cave, convex, none): Concave	Slope %: 2			
	43.39733° N	Long: -73.49044° W	Datum: WGS 84			
Soil Map Unit Name: Cs: Cosad fine sandy loam	+0.00700 N	NWI classification				
· · · · · · · · · · · · · · · · · · ·						
Are climatic / hydrologic conditions on the site typical for the	•		o, explain in Remarks.)			
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" pre-	sent? Yes X No			
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answers	n Remarks.)			
SUMMARY OF FINDINGS – Attach site map	showing sampling po	oint locations, transects, ir	mportant features, etc.			
Hydrophytic Vegetation Present? Yes X	No Is the	Sampled Area				
Hydric Soil Present? Yes X		a Wetland? Yes X	No			
Wetland Hydrology Present? Yes X		optional Wetland Site ID: Near fl				
Remarks: (Explain alternative procedures here or in a se	eparate report.)	·				
Palustrine emergent marsh.	parato roporti,					
-						
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicators	(minimum of two required)			
Primary Indicators (minimum of one is required; check all	that apply)	Surface Soil Crac	· · · ·			
	-Stained Leaves (B9)	Drainage Patterns	` '			
	ic Fauna (B13)	Moss Trim Lines (B16)				
 ·	Deposits (B15)	Dry-Season Wate				
	gen Sulfide Odor (C1)	Crayfish Burrows				
	ed Rhizospheres on Living F		on Aerial Imagery (C9)			
	nce of Reduced Iron (C4)	Stunted or Stress				
	nt Iron Reduction in Tilled So					
	/luck Surface (C7)	Shallow Aquitard				
	(Explain in Remarks)	Microtopographic				
Sparsely Vegetated Concave Surface (B8)	,	X FAC-Neutral Test				
Field Observations:		T				
Surface Water Present? Yes No _X	Depth (inches):					
Water Table Present? Yes No X						
Saturation Present? Yes No X	Depth (inches):	Wetland Hydrology Present?	Yes X No			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well,	aerial photos, previous insp	ections), if available:				
Remarks:						

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Fraxinus pennsylvanica	5	Yes	FACW	
2.		103	TAOW	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3. 4.				Total Number of Dominant Species Across All Strata: 4 (B)
5.				Bound of Bourina of Country
6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7.				Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 100 x 1 = 100
1. Cornus sericea	30	Yes	FACW	FACW species 36 x 2 = 72
2. Sambucus canadensis	1	No	FACW	FAC species 0 x 3 = 0
3				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5				Column Totals: 136 (A) 172 (B)
6				Prevalence Index = B/A = 1.26
7.		. <u></u>		Hydrophytic Vegetation Indicators:
	31	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Typha angustifolia	50	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Lythrum salicaria	40	Yes	OBL	4 - Morphological Adaptations (Provide supporting
3. Symphyotrichum puniceum	10	No	OBL	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12		. <u></u>		Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				Hydrophytic
3.				Vegetation
4		· 		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			

Sampling Point:

Wet P2-H

SOIL Sampling Point: Wet P2-H

Profile Desc Depth	ription: (Describe to Matrix	o the de		ment th ex Feature		tor or co	nfirm the absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-4	10YR 3/1	75	10YR 4/6	20	С	PL/M	Loamy/Clayey	Prominent redox concentrations	
			2.5YR 3/6	5	С	М		Prominent redox concentrations	
4-17	5Y 4/1	60	2.5YR 3/6	30	С	M	Loamy/Clayey	Prominent redox concentrations	
			10YR 5/6	10	С	PL/M		Prominent redox concentrations	
		etion, RM	1=Reduced Matrix, M	S=Mask	ed Sanc	l Grains.		L=Pore Lining, M=Matrix.	
Hydric Soil I								or Problematic Hydric Soils ³ :	
Histosol	•		Dark Surface (S					ick (A10) (LRR K, L, MLRA 149B)	
	ipedon (A2)		Polyvalue Belo		ce (S8) (LRR R,	Coast Prairie Redox (A16) (LRR K, L, R)		
Black His	n Sulfide (A4)		MLRA 149B) Thin Dark Surfa	RA 1498) Dark Surface (S9) (LRR R, MLRA 1			5 cm Mucky Peat or Peat (S3) (LRR K, L, R)		
	Layers (A5)			ma Sands (S11) (LRR K, L)			49B) — Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)		
	Below Dark Surface	(A11)	Loamy Mucky N					nganese Masses (F12) (LRR K, L, R)	
	rk Surface (A12)	(,,,,,	Loamy Gleyed			11, =/	Piedmont Floodplain Soils (F19) (MLRA 149B)		
	oodic (A17)		X Depleted Matrix		,		Red Parent Material (F21) (outside MLRA 145)		
	A 144A, 145, 149B)		X Redox Dark Su		6)		Very Shallow Dark Surface (F22)		
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (E	xplain in Remarks)	
Sandy G	leyed Matrix (S4)		X Redox Depress	sions (F8	3)				
Sandy Re	edox (S5)		Marl (F10) (LRI	R K, L)			³ Indicators of hydrophytic vegetation and		
Stripped	Matrix (S6)		Red Parent Ma	terial (F	21) (MLF	RA 145)	wetland hydrology must be present,		
							unless	s disturbed or problematic.	
Type:	.ayer (if observed):								
-	iches):						Hydric Soil Preser	nt? Yes X No	
Remarks:	·						L		



Wetland P2-H near flag P2-H-4 - View facing north



Wetland P2-H near flag P2-H-4 - 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/County: Fort Ann / Washington Sampling Date: 10/31/2022
Applicant/Owner: TDI	State: NY Sampling Point: Wet P2-H
Investigator(s): C. Scrivner, J. Greaves	Section, Township, Range:
	Local relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43.39707° N	
Soil Map Unit Name: Cs: Cosad fine sandy loam	NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year	ear? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly	
Are Vegetation, Soil, or Hydrologynaturally pro	
<u> </u>	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 No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near flag P2-H-1
Palustrine scrub shrub wetland.	
 HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Lea	
X High Water Table (A2) Aquatic Fauna (B ²	
X Saturation (A3) Marl Deposits (B1	
Water Marks (B1) Hydrogen Sulfide	
	neres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Redu	
	ction in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface	
Inundation Visible on Aerial Imagery (B7) Other (Explain in F	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (in	iches):
	ches): 4
	ches): 2 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photo	os, previous inspections), if available:
3 3 3 3 3 3 3 3 3 3	
Remarks:	
remarks.	

Absolute	Dominant				
% Cover	Species?	Indicator Status	Dominance Test worksheet:		
12	Yes	FAC	Number of Dominant Species		
10	Yes	FACW	That Are OBL, FACW, or FAC: 6 (A)		
8	Yes	FACW	Total Number of Dominant		
			Species Across All Strata: 7 (B)		
	-		Percent of Dominant Species		
	<u> </u>		That Are OBL, FACW, or FAC: 85.7% (A/B)		
			Prevalence Index worksheet:		
30	=Total Cover		Total % Cover of: Multiply by:		
	-		OBL species 20 x 1 = 20		
50	Yes	FACW	FACW species 70 x 2 = 140		
			FAC species 19 x 3 = 57		
			FACU species 15 x 4 = 60		
	- —		UPL species 0 x 5 = 0		
	- ——		Column Totals: 124 (A) 277 (B		
	- —		Prevalence Index = B/A = 2.23		
	- —		Hydrophytic Vegetation Indicators:		
	- 				
60	= Fotal Cover		1 - Rapid Test for Hydrophytic Vegetation		
			X 2 - Dominance Test is >50%		
			X 3 - Prevalence Index is ≤3.01		
10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supportindata in Remarks or on a separate sheet)		
5	No	FAC			
2	<u>No</u>	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)		
2	No	FAC	 Indicators of hydric soil and wetland hydrology mu 		
			present, unless disturbed or problematic.		
			Definitions of Vegetation Strata:		
			Tree – Woody plants 3 in. (7.6 cm) or more in diameter		
			at breast height (DBH), regardless of height.		
			Sapling/shrub – Woody plants less than 3 in. DBH		
			and greater than or equal to 3.28 ft (1 m) tall.		
			Herb – All herbaceous (non-woody) plants, regardless		
29	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
	-		Weedy vines All weedy vines greater than 2.29 ft in		
5	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft in height.		
	<u> </u>				
			Hydrophytic		
1			Vegetation Present? Yes X No		
5	=Total Cover				
	10 8 30 50 10 10 5 2 2	10 Yes 8 Yes 30 =Total Cover 50 Yes 10 No 60 =Total Cover 10 Yes 10 Yes 2 No 2 No 2 No 2 No 2 Total Cover	10		

SOIL Sampling Point: Wet P2-H

	ription: (Describe to Matrix	o the de		ment the Featur		or or co	nfirm the absence of	indicators.)	
Depth (inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-7	10YR 3/1	80	10YR 5/6	20	C	PL/M	Loamy/Clayey	Prominent redox concentrations	
7-16	10YR 2/1	95	10YR 4/3	5		_M	Loamy/Clayey	Distinct redox concentrations	
				<u> </u>					
¹Type: C=Co	ncentration, D=Deple	etion, RM	1=Reduced Matrix. M	S=Mask	ed Sand	Grains	² I ocation: P	PL=Pore Lining, M=Matrix.	
Hydric Soil II Histosol Histic Ep Black His Hydrogel Stratified Depleted Thick Da Mesic Sp (MLRA Sandy M Sandy G Sandy Re Stripped	ndicators: (A1) ipedon (A2)		Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 1 High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Matrix (F2) Depleted Matrix (F3) X Redox Dark Surface (F6) Depleted Dark Surface (F7) X Redox Depressions (F8) Marl (F10) (LRR K, L) Red Parent Material (F21) (MLRA 145)			LRR R, , MLRA 1 R K, L) R K, L)	Indicators for Problematic Hydric Soils3: 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Red Parent Material (F21) (outside MLRA 145) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.		
Depth (in	ches):						Hydric Soil Preser	nt? Yes X No	
Remarks:									



Wetland P2-H near flag P2-H-1 - View facing south



Wetland P2-H near flag P2-H-1 - 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/County: Fort Ann / Washington Sampling Date: 10/31/2022
Applicant/Owner: TDI	State: NY Sampling Point: Upl P2-H
Investigator(s): C. Scrivner, J. Greaves	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, convex, none): Convex Slope %: 5
·	
Subregion (LRR or MLRA): LRR R Lat: 43.397	
Soil Map Unit Name: PaB: Palatine shaly silt loam, 3 to 8 perce	nt slopes NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time	of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignific	antly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynatura	ly problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ring sampling point locations, transects, important features, etc.
Halada S. Varanta Barrata Araba Mara Mara Mara	La dia Campila Lang
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	
Remarks: (Explain alternative procedures here or in a separate Successional old field.	report.)
Successional old field.	
I HYDROLOGY	
	Cocondary Indicators (minimum of two required)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that all Surface Water (A1) Water-Staine	DDIV) Surface Soil Cracks (B6) Drainage Patterns (B10)
High Water Table (A2) High Water Table (A2) Aquatic Faur	
Saturation (A3) Marl Deposit	<u> </u>
1 	Ifide Odor (C1) Crayfish Burrows (C8)
	zospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
	Reduced Iron (C4) Stunted or Stressed Plants (D1)
	Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Si	·
	in in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
	th (inches):
Water Table Present? Yes No X Dep	th (inches):
	th (inches): Wetland Hydrology Present? Yes No X
(includes capillary fringe)	Treatment Tydrology Tresent.
Describe Recorded Data (stream gauge, monitoring well, aerial	
	,
Remarks:	

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. 2.		·		Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)				
3. 4.				Total Number of Dominant Species Across All Strata: 2 (B)				
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (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 10 x 2 = 20				
2.				FAC species 65 x 3 = 195				
3.				FACU species 10 x 4 = 40				
4.			-	UPL species 15 x 5 = 75				
5.				Column Totals: 100 (A) 330 (B)				
6.		·		Prevalence Index = B/A = 3.30				
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	50	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹				
2. Solidago rugosa	15	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting				
3. Laportea canadensis	10	No	FACW	data in Remarks or on a separate sheet)				
4. Pastinaca sativa	10	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)				
5. Arctium lappa	5	No	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
6. Cirsium arvense	5	No	FACU					
7. Glechoma hederacea	5	No	FACU	Definitions of Vegetation Strata:				
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter				
9.				at breast height (DBH), regardless of height.				
10.				Sapling/shrub – Woody plants less than 3 in. DBH				
11.				and greater than or equal to 3.28 ft (1 m) tall.				
12				Herb – All herbaceous (non-woody) plants, regardless				
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.				
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in				
1				height.				
2.								
3				Hydrophytic Vegetation				
4				Present? Yes X No No				
		=Total Cover						
Remarks: (Include photo numbers here or on a separa	ate sheet.)							

Sampling Point:

Upl P2-H

SOIL Sampling Point: Upl P2-H

	ription: (Describe to Matrix	the dep		ment the x Feature		or or co	nfirm the absence of i	ndicators.)	
Depth (inches)	Color (moist)	%	Color (moist)	% realure	Type ¹	Loc ²	Texture	Remarks	
0-13	10YR 4/2	90	10YR 5/4	10	С	M	Loamy/Clayey	Distinct redox concentrations	
0-13	1011(4/2	30	1011(3/4	10		101	Loanly/Clayey	Distinct redux concentrations	
¹ Type: C=Co	ncentration, D=Deple	etion, RM	l=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL	_=Pore Lining, M=Matrix.	
Hydric Soil II		,						r Problematic Hydric Soils ³ :	
Histosol ((A1)		Dark Surface (S	S7)			2 cm Muc	ck (A10) (LRR K, L, MLRA 149B)	
Histic Ep	ipedon (A2)		Polyvalue Belov	w Surfac	ce (S8) (I	LRR R,	Coast Pra	airie Redox (A16) (LRR K, L, R)	
Black His	stic (A3)		MLRA 149B))			5 cm Muc	cky Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		Thin Dark Surfa					e Below Surface (S8) (LRR K, L)	
	Layers (A5)		High Chroma S					Surface (S9) (LRR K, L)	
	Below Dark Surface	(A11)	Loamy Mucky N			R K, L)		ganese Masses (F12) (LRR K, L, R)	
	rk Surface (A12)		Loamy Gleyed		-2)			t Floodplain Soils (F19) (MLRA 149B)	
	odic (A17) A 144A, 145, 149B)		X Depleted Matrix		·6)			ent Material (F21) (outside MLRA 145)	
•	ucky Mineral (S1)		Redox Dark Surface (F6) Depleted Dark Surface (F7)				Very Shallow Dark Surface (F22) Other (Explain in Remarks)		
	eyed Matrix (S4)		Redox Depress		` '			.pian in Remarks)	
	edox (S5)		Marl (F10) (LRI	•	-,		³ Indicator	s of hydrophytic vegetation and	
Stripped Matrix (S6)			Red Parent Material (F21) (MLRA 145)				wetland hydrology must be present,		
								disturbed or problematic.	
Restrictive L	ayer (if observed):								
Type:	Rocl	k							
Depth (in	ches):	13					Hydric Soil Present	t? Yes X No	
Remarks:									



Upland P2-H – View facing south/southwest



Upland P2-H - 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/County: For	t Ann / Washington	Sampling Date: <u>10/31/2022</u>		
Applicant/Owner: TDI		State: NY	Sampling Point: Wet P2-I		
Investigator(s): C. Scrivner, J. Greaves	Section	, Township, Range:	<u> </u>		
Landform (hillside, terrace, etc.): Linear depression	Local relief (concave, co		Slope %: 5		
Subregion (LRR or MLRA): LRR R Lat:		ong: -73.48954° W	Datum: WGS 84		
Soil Map Unit Name: SB: Saprists, Aquepts, and Aquent		NWI classification:	PSS1		
					
Are climatic / hydrologic conditions on the site typical for the		X No (If no,	explain in Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "N	Normal Circumstances" prese	ent? Yes X No		
Are Vegetation, Soil, or Hydrology	naturally problematic? (If nee	eded, explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – Attach site map	showing sampling point l	ocations, transects, ir	nportant features, etc.		
Lhidranhitia Vagatatian Dragant?	No. lo the Comple	d Araa			
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes X	No Is the Sample No within a Wetla		No		
Wetland Hydrology Present? Yes X		Wetland Site ID: Near flag			
		Welland Oile ID. Near nag	J 1 Z 1-1		
Remarks: (Explain alternative procedures here or in a see Palustrine scrub shrub wetland.	eparate report.)				
r alustime scrub smub wettand.					
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Indicators (n	ninimum of two required)		
Primary Indicators (minimum of one is required; check al	I that apply)	Surface Soil Cracks			
•	-Stained Leaves (B9)	Drainage Patterns (` '		
High Water Table (A2) Aquatic Fauna (B13) Aquatic Fauna (B13) Moss Trim Lines (B16)					
Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)					
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)Recer	nt Iron Reduction in Tilled Soils (C6)	X Geomorphic Position	on (D2)		
Iron Deposits (B5) Thin M	/luck Surface (C7)	Shallow Aquitard (D	03)		
Inundation Visible on Aerial Imagery (B7) Other	(Explain in Remarks)	Microtopographic R	elief (D4)		
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (I	D5)		
Field Observations:					
Surface Water Present? Yes No _X	Depth (inches):				
Water Table Present? Yes No X Saturation Present? Yes No X					
	Depth (inches): We	tland Hydrology Present?	Yes <u>X</u> No		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well	, aerial photos, previous inspections), if available:			
Remarks:					
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:3(A)
3. 4.		<u> </u>		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:15')				OBL species 5 x 1 = 5
1. Sambucus canadensis	30	Yes	FACW	FACW species 78 x 2 = 156
2. Cornus amomum	30	Yes	FACW	FAC species 0 x 3 = 0
3.				FACU species 8 x 4 = 32
4.				UPL species 0 x 5 = 0
5.				Column Totals: 91 (A) 193 (B)
6.				Prevalence Index = B/A = 2.12
7	-			Hydrophytic Vegetation Indicators:
	60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Sambucus canadensis	8	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Solidago canadensis	8	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Cornus amomum	5	No	FACW	data in Remarks or on a separate sheet)
4. Carex lurida	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Ribes hirtellum	5	No	FACW	The disease of bounds and continued bounds are accepted
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	31	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.	1			Hydrophytic
4.				Vegetation Present? Yes X No
<u> </u>		=Total Cover		133 <u>X</u> 133 <u>—</u>
Remarks: (Include photo numbers here or on a separ.	oto oboot \	-1010100001		
Remarks. (include photo numbers here or on a separ	ate sneet.)			

Sampling Point:

Wet P2-I

SOIL Sampling Point: Wet P2-I

Depth	Matrix			k Featur		2				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	marks	
0-6	10YR 3/1	65	10YR 4/6	5	С	M	Loamy/Clayey	Prominent red	ox con	centrations
			10YR 5/3	30	С	M		Distinct redo	x conc	entrations
6-16	10YR 4/1	90	10YR 5/6	5	С	M	Loamy/Clayey	Prominent red	ox con	centrations
			2.5YR 4/8	5	С	М		Prominent red	ox con	centrations
			_				_			
¹Type: C=Co	oncentration, D=Deple	tion, RM	=Reduced Matrix, MS	S=Mask	ed Sand	Grains.	² Location: P	L=Pore Lining, M=	:Matrix	
Hydric Soil								or Problematic H		
Histosol	` '		Dark Surface (S	,	(00) (1	DD D		ick (A10) (LRR K ,		•
Black Hi	oipedon (A2) stic (A3)		Polyvalue Belov		ce (58) (L	-KK K,		rairie Redox (A16) ucky Peat or Peat (
	n Sulfide (A4)		Thin Dark Surfa		(LRR R,	MLRA 1		ie Below Surface (
	d Layers (A5)		High Chroma S					rk Surface (S9) (L l	, ,	
	d Below Dark Surface	(A11)	Loamy Mucky N					nganese Masses (
Thick Da	ark Surface (A12)		Loamy Gleyed	Matrix (I	F2)		Piedmor	nt Floodplain Soils	(F19) ((MLRA 149B)
Mesic S	podic (A17)		X Depleted Matrix	(F3)			Red Par	ent Material (F21)	(outsi	de MLRA 145)
(MLR	A 144A, 145, 149B)		X Redox Dark Su	rface (F	6)		Very Sha	allow Dark Surface	(F22)	
	lucky Mineral (S1)		Depleted Dark		` '		Other (E	xplain in Remarks	.)	
	Bleyed Matrix (S4)		Redox Depress		8)		3			
	ledox (S5)		Marl (F10) (LRI		O4) (84) E	\ A 445\		ors of hydrophytic v	-	
Stripped	Matrix (S6)		Red Parent Ma	teriai (F	21) (MLR	(A 145)		nd hydrology must s disturbed or prob		
Restrictive I	Layer (if observed):									<u></u>
Type:										
Depth (ii	nches):						Hydric Soil Preser	nt? Yes_	X	No
Remarks:										



Wetland P2-I - View facing west/northwest



Wetland P2-I - 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/County: Fort An	n / Washington	Sampling Date: 10/31/2022	
Applicant/Owner: TDI			State: NY	Sampling Point: Upl P2-I	
Investigator(s): C. Scrivner, J. Greaves		Section, To	vnship, Range:		
Landform (hillside, terrace, etc.): Hillslope	l ocal re	elief (concave, conve		Slope %: 15	
, , , , , , , , , , , , , , , , , , , ,			' <u>'</u>		
Subregion (LRR or MLRA): LRR R	Lat: 43.39726° N	Long:	-73.4895° W	Datum: WGS 84	
Soil Map Unit Name: SB: Saprists, Aquepts,	and Aquents		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 Hydro	logysignificantly disturbed	ed? Are "Norn	nal Circumstances" pres	ent? Yes X No	
Are Vegetation, Soil, or Hydro	logynaturally problemat	ic? (If needed	l, explain any answers ir	n Remarks.)	
SUMMARY OF FINDINGS – Attach	site map showing sam	pling point loca	tions, transects, i	mportant features, etc.	
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Ar	93		
Hydric Soil Present?	Yes X No	within a Wetland?		No X	
Wetland Hydrology Present?	Yes No X	If yes, optional We		<u></u>	
Remarks: (Explain alternative procedures he					
Mowed lawn / canal trail hillslope.	He of it a separate report.)				
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	ss (B6)	
Surface Water (A1)	Water-Stained Leaves (B	9)	Drainage Patterns	(B10)	
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)					
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C	21)	Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres or	n Living Roots (C3)	Saturation Visible	on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron	n (C4)	Stunted or Stresse	d Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	Geomorphic Positi	, ,	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (
Inundation Visible on Aerial Imagery (B7	′ 	s)	Microtopographic I	, ,	
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test	(D5)	
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):			V N V	
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present?	Yes No _X	
(includes capillary fringe)	witawia aall a a wial what a a was	.i	aa.ilabila.		
Describe Recorded Data (stream gauge, mo	mitoring well, aerial priotos, prev	nous inspections), ii i	avallable:		
Remarks:					
Tomano.					

VEGETATION – Use scientific names of plants. Sampling Point: Upl P2-I Absolute **Dominant** Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30') Status % Cover Species? 1. **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: 1 (A) 3. **Total Number of Dominant** 4. Species Across All Strata: 2 (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 50.0% (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15') OBL species x 1 = x 2 = **FACW** species 0 2. FAC species 40 x 3 = 120 **FACU** species 55 3. x 4 = 5 UPL species x 5 = Column Totals: 100 (A) 365 3.65 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 7. =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5') 2 - Dominance Test is >50% Setaria pumila FAC 3 - Prevalence Index is ≤3.01 1. 35 4 - Morphological Adaptations¹ (Provide supporting 2. Taraxacum officinale Yes **FACU** data in Remarks or on a separate sheet) 10 3. Plantago lanceolata No **FACU** 10 Problematic Hydrophytic Vegetation¹ (Explain) 4. Trifolium repens No **FACU** 5 UPL 5. Pastinaca sativa No ¹Indicators 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 and greater than or equal to 3.28 ft (1 m) tall. 11. Herb - All herbaceous (non-woody) plants, regardless 100 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30' Woody vines - All woody vines greater than 3.28 ft in height. 1.

=Total Cover

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

No X

Hydrophytic Vegetation Present?

Yes

SOIL Sampling Point: Upl P2-I

Depth	Matrix			c Featur			nfirm the absence of	,		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	S
0-18	10YR 3/1	70	10YR 5/6	20	<u>C</u>	M	Loamy/Clayey	Prominent	redox co	ncentrations
			10YR 5/3	10	<u>C</u>	М		Distinct re	dox con	centrations
	oncentration, D=Deple	tion, RM	=Reduced Matrix, MS	3=Mask	ed Sand	Grains.		L=Pore Lining,		
Hydric Soil I Histosol			Dark Surface (S	37)				or Problemation	-	
	pipedon (A2)		Polyvalue Below		ce (S8) (L	RR R.		airie Redox (A		*
Black His			MLRA 149B)		() (-	,		cky Peat or Pe		
— Hydroge	n Sulfide (A4)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1		e Below Surfac		
Stratified	Layers (A5)		High Chroma S	ands (S	S11) (LRF	₹ K, L)	Thin Dar	k Surface (S9)	(LRR K	, L)
Depleted	Below Dark Surface ((A11)	Loamy Mucky N	/lineral ((F1) (LRF	R K, L)	Iron-Man	nganese Masse	s (F12)	(LRR K, L, R)
Thick Da	ark Surface (A12)		Loamy Gleyed I	Matrix (I	F2)		Piedmon	t Floodplain So	oils (F19)	(MLRA 149B)
Mesic Sp	oodic (A17)		Depleted Matrix	(F3)			Red Pare	ent Material (F	21) (out s	side MLRA 145)
(MLR	A 144A, 145, 149B)		X Redox Dark Su	rface (F	6)		Very Sha	allow Dark Surf	ace (F22	2)
Sandy M	lucky Mineral (S1)		Depleted Dark \$	Surface	(F7)		Other (E	xplain in Rema	rks)	
	leyed Matrix (S4)		Redox Depress	•	8)		2			
	edox (S5)		Marl (F10) (LRF					rs of hydrophy	_	
Stripped	Matrix (S6)		Red Parent Mat	erial (F	21) (MLR	RA 145)		d hydrology m disturbed or p		
Restrictive L	_ayer (if observed):						unless	distuibed of p	TODICITIA	uo.
Type:										
Depth (ir	nches):						Hydric Soil Presen	nt? Ye	s X	No
Remarks:										



Upland P2-I – View facing north



Upland P2-I - Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

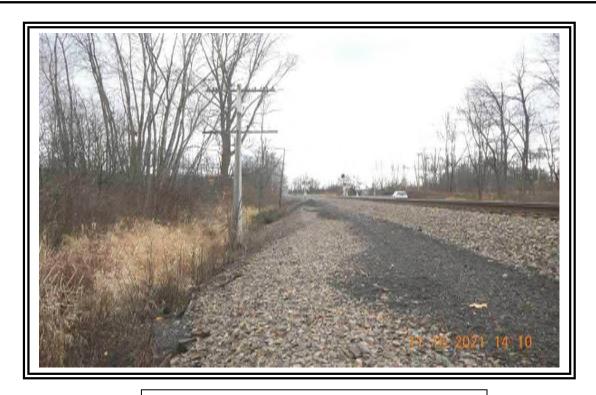
WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/16/21					
Applicant/Owner: CHPE	State: NY Sampling Point: GR-нн-∪г					
Investigator(s): KW, KS	Section, Township, Range: Fort Edward					
	relief (concave, convex, none): Convex Slope %: 5					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,23',28.96"N	Long: 73°,29',22.63"W Datum:					
Soil Map Unit Name: Hartland Very Fine Sandy 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						
	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	<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 (C1) Crayfish Burrows (C8)						
Sediment Deposits (B2) Oxidized Rhizospheres of Deposits (B2)						
Drift Deposits (B3) Presence of Reduced Iro						
Algal Mat or Crust (B4) Recent Iron Reduction in Thin Muck Surface (C7)						
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Fundamin Personal Property) Migrater agree his Belief (D4)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark Sparsely Vegetated Concave Surface (B8)	ks) Microtopographic Relief (D4) FAC-Neutral Test (D5)					
<u> </u>	1 AO-Neutiai Test (D3)					
Field Observations: Surface Water Present? Yes No X Depth (inches):						
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)	Westalia Hydrology Freedit: 165 NoX					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks:						

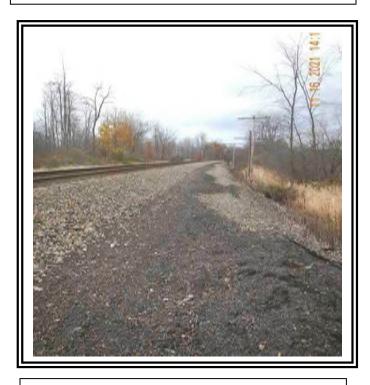
Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
. Fraxinus americana	20	Yes	FACU	
2. Ulmus americana	5	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:3 (A)
·				Total Number of Dominant Species Across All Strata: 9 (B)
i.	_			
i.				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B
				Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')			OBL species x 1 =
. Rhus typhina	10	Yes	UPL	FACW species x 2 =
. Juniperus virginiana	5	Yes	FACU	FAC species x 3 =
Rhamnus cathartica	10	Yes	FAC	FACU species x 4 =
·				UPL species x 5 =
i				Column Totals: (A) (B
i				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size: 5')				2 - Dominance Test is >50%
. Phalaris arundinacea	15	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Solidago canadensis	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Setaria faberi	20	Yes	FACU	data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
5 5	_			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
·				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in
)				diameter at breast height (DBH), regardless of height.
0 1.	<u>.</u> .			Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2.				Harb. All banks as a confusion was distributed as a confusion
	45	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 15')			Woody vines – All woody vines greater than 3.28 ft in
. Rubus allegheniensis	5	Yes	FACU	height.
2.				
3.				Hydrophytic
				Vegetation Present? Yes No X
		=Total Cover		
4	5	- roiai Cover		

SOIL Sampling Point: GR-HH-Up

4	Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	Depth	Matrix	, tile del		x Featur		1101 01 00	onfirm the absence of indic	ators.,	
*Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Hydric Soil Indicators: Histosol (A1)	*Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Hydric Soil Indicators: Histosol (A1)	(inches)	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 Epipedon (A2) Black Histic (A3) High Chroma Sands (S11) (LRR K, L) Coast Prairie Redox (A16) (LRR K, L, R) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Piedmont Floodplain Soils (F19) (MLR A, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Delted Dark Surface (F7) Siripped Matrix (S6) Dark Surface (F7) Siripped Matrix (S6) Dark Surface (F7) Dark Surface (F7) Marl (F10) (LRR K, L) Delted Dark Surface (F7) Siripped Matrix (S6) Dark Surface (F7) Dark Surface (F7) Marl (F10) (LRR K, L) Delted Dark Surface (F7) Siripped Matrix (S6) Dark Surface (F7) Dark Surface (F7) Present? Wery Shallow Dark Surface (F22) Siripped Matrix (S6) Dark Surface (F7) Present? Wery Shallow Dark Surface (F22) Dark Surface (F7) Dark Surface (F7) Present? Wery Shallow Dark Surface (F22) Dark Surface (F7) Present? Wery Shallow Dark Surface (F22) Dark Surface (F7) Present? Wery Shallow Dark Surface (F22) Dark Surface (F7) Present? Wery Shallow Dark Surface (F22) Dark Surface (F7) Present? Wery Shallow Dark Surface (F22) Dark Surface (F7) Present? Wery Shallow Dark Surface (F22) Dark Surface (F7) Present? Wery Shallow Dark Surface (F22) Dark Surface (F7) Present? Wery Shallow Dark Surface (F22) Dark Surface (F7) Present? Wery Shallow Dark Surface (F22) Dark Surface (F7) Present? Present Muck And	Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Histosol (A1) Histic Epigedon (A2) Black Histic (A3) High Chroma Sands (S11) (LRR K, L) Coast Frairie Redox (A16) (LRR K, L, R) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR R, MLRA 149B) S cm Mucky Peat or Peat (S3) (LRR K, L, R) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (F1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (A12) Depleted Below Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (A12) Polyvalue Below Surface (B1) Thin Dark Surface (A12) Polyvalue Below Surface (B2) Thin Dark Surface (A12) Polyvalue Below Surface (B2) Thin Dark Surface (A12) Polyvalue Below Surface (B2) Thin Dark Surface (A12) Polyvalu	0-6	10YR 5/3						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) 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) Marl (F10) (LRR K, L) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Hydric Soil Present? Hydric Soil Present? Hydric Soil Present? Hydric Soil Present? Yes No X	Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A11) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Marl (F10) (LRR K, L) Stripped Matrix (S6) Marl (F10) (LRR K, L) High Chroma Sands (S11) (LRR K, L) Depleted Below Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (F10) Mesic Spodic (TA6) (MLRA 144A, 145, 149B, Mesic Spodic (TA6) (MLRA	6-12	10YR 4/2						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) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) 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 (S9) (LRR K, L) Hydric Soil Present? Hydric Soil Present? Yes No X	Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) 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 (S9) (LRR K, L) Hydric Soil Present? Hydric Soil Present? Hydric Soil Present? Hydric Soil Present? Yes No X										
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Histosol (A1)	Histosol (A1)			tion, RM	=Reduced Matrix, M	/IS=Mas	ked Sand	d Grains.	² Location: PL=Pore	e Lining, M=Ma	ntrix.
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) **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	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) **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	=					(00) (-	
Black Histic (A3)	Black Histic (A3)						ce (S8) (LRR R,			
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Thick 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) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) Jork Surface (S7) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Thick 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) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) Jork Surface (S7) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X				·	•	(LRR R	. MLRA 1			
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 Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Depleted Dark Surface (F8) Marl (F10) (LRR K, L) Other (Explain in Remarks) Thin Dark Surface (S9) (LRR K, L) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Sendy Redox (S5) Red Parent Material (F21) Very Shallow Dark Surface (F22) 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	Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Matrix (F2) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S9) (LRR K, L, R) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Stripped Matrix (S6) Dark Surface (F7) Red Parent Material (F21) Very Shallow Dark Surface (F22) Stripped Matrix (S6) 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										
Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 1498) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1498) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 1498) Mesic Spodic (TA6) (MLRA 144A, 145, 1498) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 1498) Mesic Spodic (TA6) (MLRA 144A, 145, 1498) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 1498) Mesic Spodic (TA6) (MLRA 144A, 145, 1498) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 1498) Piedmont Floodplain Soils (F19) (MLRA 1498) Redox Dark Surface (F7) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1498)	Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 1498) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1498) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 1498) Mesic Spodic (TA6) (MLRA 144A, 145, 1498) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 1498) Mesic Spodic (TA6) (MLRA 144A, 145, 1498) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 1498) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 1498) Piedmont Floodplain Soils (F19) (MLRA 1498) Redox Dark Surface (F7) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1498) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1498) Redox Dark Surface (F7) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1498) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1498) Redox Dark Surface (F7) Red Parent Material (F21) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1498) Redox Dark Surface (F7) Red Parent Material (F21) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1498) Piedmont Floodplain										
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	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			(A11)							
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	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	Thick Da	ark Surface (A12)		Depleted Matri:	x (F3)			Piedmont Floor	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	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								Mesic Spodic (TA6) (MLRA 1 /	44A, 145, 149B)
Stripped Matrix (S6)	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										
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	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	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				Mari (F10) (LR	RK,L)			Other (Explain	in Remarks)	
Restrictive Layer (if observed): Type:	Restrictive Layer (if observed): Type:	Dark Su	nace (Sr)								
Type:	Type:	³ Indicators o	f hydrophytic vegetatic	n and w	etland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.		
Depth (inches): Hydric Soil Present? Yes No X	Depth (inches): Hydric Soil Present? Yes No X	Restrictive	Layer (if observed):								
		Type:									
Remarks:	Remarks:	Depth (ii	nches):						Hydric Soil Present?	Yes	No X
		Remarks:									



Upland G-R-HH- View facing South



Upland G-R-HH- View facing North

Segment 3 - Package 2

SITE PHOTOGRAPHS

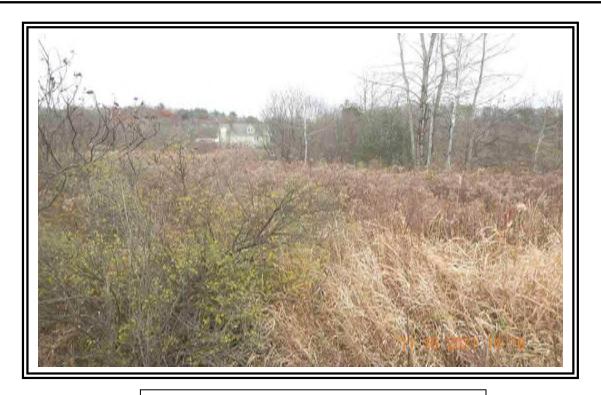
WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/16/21					
Applicant/Owner: CHPE	State: NY Sampling Point: GR-нн-wet					
Investigator(s): KW, KS	Section, Township, Range: Fort Edward					
Landform (hillside, terrace, etc.): Lake Plains Local	relief (concave, convex, none): Convex Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,23',28.96"N	Long: 73°,29',22.63"W Datum:					
Soil Map Unit Name: Hartland Very Fine Sandy Loam	NWI classification: PSS/PEM					
Are climatic / hydrologic conditions on the site typical for this time of year?						
, ,						
Are Vegetation, Soil, or Hydrologysignificantly distur						
Are Vegetation, Soil, or Hydrologynaturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No	within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)						
Shrub swamp/emergent marsh						
- Charles Charles Garmana						
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 (B9) X Drainage Patterns (B10) High Water Table (A2) Agustic Fauna (B13) Moss Trim Lines (B16)						
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Moss Trim Lines (B16)						
X Saturation (A3)						
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (P2) Ovidized Phizophers on Living Roots (C3) Seturation Visible on Assist Imagers (C0)						
Sediment Deposits (B2)Oxidized Rhizospheres on Living Roots (C3)Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)						
<u> </u>						
<u> </u>	. , , , , , , , , , , , , , , , ,					
Iron Deposits (B5) Thin Muck Surface (C7) Other (Fx) Other (Fx)						
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 X No Depth (inches):	:4 Wetland Hydrology Present? Yes X No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), il avaliable:					
Remarks:						

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Populus deltoides	15	Yes	FAC	Dominance Foot Workshoot.
2. Fraxinus americana	10	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
	5			That Are OBL, FACW, or FAC4 (A)
		No No	FAC	Total Number of Dominant
I. <u>Ulmus americana</u>	5	No	FACW	Species Across All Strata: 7 (B)
5				Percent of Dominant Species
S		· ——		That Are OBL, FACW, or FAC: 57.1% (A/B)
·		·		Prevalence Index worksheet:
	35	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species x 1 =
. Cornus racemosa	15	Yes	FAC	FACW species x 2 =
2. Rhus typhina	15	Yes	UPL	FAC species x 3 =
Lonicera tatarica	15	Yes	FACU	FACU species x 4 =
				UPL species x 5 =
j				Column Totals: (A) (B)
5				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				X 2 - Dominance Test is >50%
. Typha latifolia	20	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
Phalaris arundinacea	35	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supportin
3. Scirpus cyperinus	10	No	OBL	data in Remarks or on a separate sheet)
Solidago altissima	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Solidago canadensis	5	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
S				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.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	80	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 15')				
				Woody vines – All woody vines greater than 3.28 ft in height.
-		· ——		Holgita
				Hydrophytic
·				Vegetation Present? Yes X No
··		=Total Cover		Present?
	-	_ Total Cover		

SOIL Sampling Point: GR-HH-Wet

Profile Desc	cription: (Describe	to the de	pth needed to docu	ıment t	he indica	tor or c	onfirm the absence o	f indicators.)
Depth	Matrix			x Featu				
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-12	5YR 3/1	97	7.5YR 4/6	3	С	М	Mucky Loam/Clay	Prominent redox concentrations
								_
1 _{Type:} C=C	oncentration, D=Depl	Lotion DA	4-Poducod Matrix N			Croins	² Location: D	L=Pore Lining, M=Matrix.
Hydric Soil		ellon, Riv	/i-Reduced Matrix, N	15-IVIAS	sked Sand	Grains		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					e Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky I					k 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)		Depleted Matri				Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
Sandy N	lucky Mineral (S1)		X 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	sions (F	8)			allow Dark Surface (F22)
	l Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
2								
			vetland hydrology mu	ıst be p	resent, ur	nless dis	turbed or problematic.	
	Layer (if observed):							
Type:								
Depth (i	nches):						Hydric Soil Prese	nt? Yes X No
Remarks:								
								CS Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	/ww.nrcs	.usda.gov/Internet/F8	SE_DO	JUMENT	S/nrcs14	12p2_051293.docx)	



Wetland G-R-HH- View facing East



Wetland G-R-HH- 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: 11/16/21					
Applicant/Owner: CHPE	State: NY Sampling Point: GR-II-Up					
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°,23',23.87"N	Long: 73°,29',23.18"W Datum:					
Soil Map Unit Name: Hartland Very Fine Sandy 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 disturl						
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.)						
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	B9) Drainage Patterns (B10)					
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)						
Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)						
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)						
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4)Recent Iron Reduction in	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 Remarks) Microtopographic Relief (D4)						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No _X Depth (inches):						
Water Table Present? Yes No X Depth (inches):						
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						

	Absolute	Dominant	Indicator	
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
. Fraxinus americana	15	Yes	FACU	Number of Dominant Species
. Juniperus communis	5	Yes	FACU	That Are OBL, FACW, or FAC:1 (A)
. Betula populifolia	5	Yes	FAC	Total Number of Dominant
				Species Across All Strata: 7 (B)
i				Percent of Dominant Species
i				That Are OBL, FACW, or FAC: 14.3% (A/B)
				Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
sapling/Shrub Stratum (Plot size: 15')		_		OBL species x 1 =
. Rhus typhina	10	Yes	UPL	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:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size: 5')		_		2 - Dominance Test is >50%
. Solidago canadensis	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
. Centaurea stoebe	5	No	UPL	4 - Morphological Adaptations ¹ (Provide supportin
. Hackelia virginiana	5	No	FACU	data in Remarks or on a separate sheet)
. Verbascum thapsus	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
. Phalaris arundinacea	10	No	FACW	
s. Setaria faberi	20	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Setana rapen		163	1700	Definitions of Vegetation Strata:
·	_			
·				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
				diameter at breast neight (DBH), regardless of neight.
0		<u> </u>		Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardless
	65	_=Total Cover		of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 15')	45	.,	540 11	Woody vines – All woody vines greater than 3.28 ft in
. Rubus allegheniensis	15	Yes	FACU	height.
				Hydrophytic
·				Vegetation
				Present? Yes No X
·	15	=Total Cover		

SOIL Sampling Point: GR-II-Up

Depth	Matrix		Redo	x Featur			onfirm the absence of i	·	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remai	rks
0-7	7.5YR 5/2	100					Loamy/Clayey		
7-12	7.5YR 3/3	100					Loamy/Clayey		
_			_						
		 -							
		 .					<u> </u>		
¹ Type: C=C	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	//S=Mas	ked Sand	Grains.	² Location: PL=	Pore Lining, M=Ma	ıtrix.
Hydric Soil			·					Problematic Hydr	•
Histosol		•	Polyvalue Belo		ce (S8) (I	LRR R,		(A10) (LRR K, L, I	
	pipedon (A2)		MLRA 149B	•				rie Redox (A16) (LF	
Black His			Thin Dark Surf					xy Peat or Peat (S3)	
	n Sulfide (A4)		High Chroma S Loamy Mucky					Below Surface (S8) Surface (S9) (LRR	
	l Layers (A5) d Below Dark Surface	. (Δ11)	Loamy Gleyed			K K, L)		anese Masses (F12	
	ark Surface (A12)	· (A11)	Depleted Matri		1 2)			Floodplain Soils (F1	
THOIL BO	ant Ganado (7112)	•			6)			dic (TA6) (MLRA 1	
	lucky Mineral (S1)		Redox Dark St						
Sandy M	lucky Mineral (S1) Bleyed Matrix (S4)		Redox Dark Su Depleted Dark						,
Sandy M	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5)		Depleted Dark Redox Depress	Surface	(F7)		Red Parer	ot Material (F21) ow Dark Surface (F	
Sandy M Sandy G Sandy R	Gleyed Matrix (S4)		Depleted Dark	Surface sions (F	(F7)		Red Parer Very Shall	t Material (F21)	
Sandy M Sandy G Sandy R Stripped	Gleyed Matrix (S4) Redox (S5)	,	Depleted Dark Redox Depress	Surface sions (F	(F7)		Red Parer Very Shall	it Material (F21) ow Dark Surface (F	
Sandy M Sandy G Sandy R Stripped Dark Su	Bleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7)		Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	alaaa diata	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F	
Sandy M Sandy G Sandy R Stripped Dark Sui	Bleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati	on and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless disti	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F	
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I	Bleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7)	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless disti	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F	
Sandy M Sandy G Sandy R Stripped Dark Sui Indicators of Restrictive I Type:	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless disti	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless distr	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type:	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless disti	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless disti	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless distr	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless dist	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless disti	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless distr	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless dist	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless dist	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless distr	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless dist	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless dist	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sun Indicators of Restrictive I Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	ion and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fa	(F7) 8)	nless distr	Red Parer Very Shall Other (Exp	it Material (F21) ow Dark Surface (F olain in Remarks)	22)



Upland G-R-II- View facing Southwest



Upland G-R-II- View facing South

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: 11/16/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-II-Wet
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Lake Plains Local	relief (concave, convex, none): Convex Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,23',23.87"N	Long: 73°,29',23.18"W Datum:
Soil Map Unit Name: Kingsbury Very Fine Sandy Loam	NWI classification: PSS/PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Shrub swamp/emergent marsh	
on as evaluption organic material	
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)
Surface Water (A1) X Water-Stained Leaves (B42)	
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 Bull (B2)	
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 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	evious inspections), if available:
Remarks:	
Remarks.	

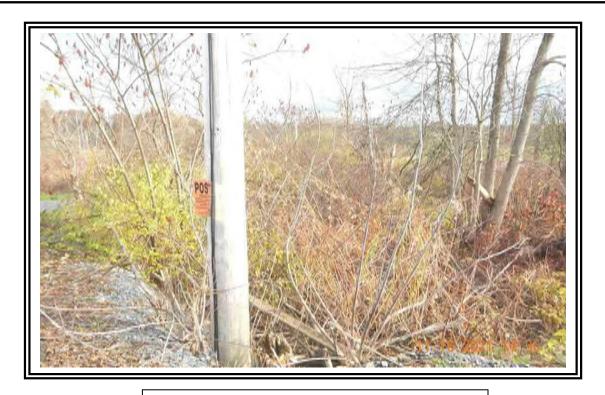
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer negundo	25	Yes	FAC	Dominance rest worksheet.
	10	Yes		Number of Dominant Species
2. Betula populifolia			FAC	That Are OBL, FACW, or FAC:7 (A)
3. Ulmus americana4.	10	Yes	FACW	Total Number of Dominant Species Across All Strata: 8 (B)
5.6.				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	15	Yes	FACU	FACW species x 2 =
2. Cornus amomum	10	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:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		,		X 2 - Dominance Test is >50%
1. Typha latifolia	20	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
Phalaris arundinacea	10	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Symplocarpus foetidus	10	Yes	OBL	data in Remarks or on a separate sheet)
Onoclea sensibilis	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Echinocystis lobata		No	FACW	<u> </u>
6		140	TAOW	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 11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	50	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: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.)	·		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point:

GR-II-Wet

SOIL Sampling Point: GR-II-Wet

		the de				tor or c	onfirm the absence of	f indicators.)
Depth (inches)	Matrix	%		x Featur %		Loc ²	Toyturo	Remarks
(inches)	Color (moist)		Color (moist)	<u> </u>	Type ¹	Loc	Texture	Remarks
0-14	7.5YR 2.5/1	98	7.5YR 4/6	2	<u>C</u>	M	Mucky Loam/Clay	Prominent redox concentrations
								-
								-
¹ Type: C=Co	ncentration, D=Deple	etion, RM	I=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators fo	or Problematic Hydric Soils ³ :
Histosol ((A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Mu	ick (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Pi	rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa					icky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	Layers (A5)	(* 4 4)	Loamy Mucky I			R K, L)		k Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matrix	` '	-6)			nt Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		X Redox Dark Su Depleted Dark					podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21)
	leyed Matrix (S4) edox (S5)		Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	•	5)			explain in Remarks)
Dark Sur				· · · · · · , — /				mante)
³ Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	ıst be pr	esent, ur	nless dist	turbed or problematic.	
	ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:							<u> </u>	
								CS Field Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://wv	ww.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	



Wetland G-R-II- View facing Southeast



Wetland G-R-II- 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	City/County: Fort Ann / Washington County Sampling Date: 05/13/22
Applicant/Owner: TDI	State: NY Sampling Point: WET CD-19
Investigator(s): C.Scrivner and C.Einstein	Section, Township, Range:
	ocal relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43.38942	Long: -73.49018 Datum: WGS 84
Soil Map Unit Name: Hartland very fine sandy loam, 2 to 6 percent slo	
Are climatic / hydrologic conditions on the site typical for this time of yea	r? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly d	isturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology naturally prob	
	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 CD-19
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 Leav	
X High Water Table (A2) Aquatic Fauna (B13)	
X Saturation (A3) Marl Deposits (B15)	· · · · · · · · · · · · · · · · · · ·
Water Marks (B1) Hydrogen Sulfide O	_ ·
1 	eres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	
<u> </u>	ion in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (· · · · · · · · · · · · · · · · · · ·
Inundation Visible on Aerial Imagery (B7) Other (Explain in Re	· · · · · · · · · · · · · · · · · · ·
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
	200): 0
Surface Water Present? Yes X No Depth (inch Water Table Present? Yes X No Depth (inch	
Saturation Present? Yes X No Depth (incl	
(includes capillary fringe)	Wettand Trydrology Fresent: Tes _X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos	nravious inspections) if available:
Describe Necorded Data (stream gauge, monitoring well, acrial priotos	, provious inspections), ii available.
Remarks:	
Nomano.	

ree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
. Quercus bicolor	5	Yes	FACW	Number of Deminent Chasins
Ulmus americana	3	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)
Fraxinus pennsylvanica	3	Yes	FACW	Total Number of Danis and
				Total Number of Dominant Species Across All Strata: 7 (B)
				Descent of Deminent Charles
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B
				Prevalence Index worksheet:
	11	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')		-		OBL species 52 x 1 = 52
Viburnum lentago	40	Yes	FAC	FACW species 36 x 2 = 72
Cornus amomum	15	Yes	FACW	FAC species 55 x 3 = 165
Viburnum recognitum	10	No	FAC	FACU species 10 x 4 = 40
Lonicera morrowii	10	No	FACU	UPL species 0 x 5 = 0
Fraxinus pennsylvanica	5	No	FACW	Column Totals: 153 (A) 329 (B
				Prevalence Index = B/A = 2.15
				Hydrophytic Vegetation Indicators:
	80	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')		-		X 2 - Dominance Test is >50%
Carex lupulina	40	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
Zizania palustris	10	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
Onoclea sensibilis	5	No	FACW	data in Remarks or on a separate sheet)
Symplocarpus foetidus	2	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must l
				present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in diamet
				at breast height (DBH), regardless of height.
O				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
	57	=Total Cover		of size, and woody plants less than 3.28 ft tall.
/oody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
Vitis riparia	5	Yes	FAC	height.
				Hydrophytic Vegetation
				Present? Yes X No No
	5	=Total Cover	_	

SOIL Sampling Point: WET CD-19

	ription: (Describe t Matrix	o the de		ment the x Feature		or or co	nfirm the absence of	indicators.)	
Depth (inches)	Color (moist)	%	Color (moist)	% realui	Type ¹	Loc ²	Texture	Remarks	
0-2	10YR 2/1	100	Color (molecy		1,700		Muck	organics	
								-	
2-20	10YR 5/1	70	10YR 4/6	30		M 	Loamy/Clayey	Prominent redox cond	centrations
		<u> </u>		<u> </u>		<u> </u>			
		<u> </u>				<u> </u>			
		_				_			
									
		etion, RM	l=Reduced Matrix, M	S=Mask	ed Sand	Grains.		L=Pore Lining, M=Matrix.	
Black His Hydroger Stratified X Depleted Thick Da Mesic Sp (MLRA Sandy M Sandy G Sandy Re Stripped	ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface rk Surface (A12) rodic (A17) A 144A, 145, 149B) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6)	e (A11)	M=Reduced Matrix, MS=Masked Sand Grains. Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 1 High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) X Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Marl (F10) (LRR K, L) Red Parent Material (F21) (MLRA 145)			, MLRA 1 R K, L) R K, L)	2 cm Mu Coast Pr 5 cm Mu Polyvalu Thin Dar Iron-Mar Piedmor Red Pare Very Sha Other (E	or Problematic Hydric Sock (A10) (LRR K, L, MLR rairie Redox (A16) (LRR I lacky Peat or Peat (S3) (LF lacky Peat or Peat (S3) (LF lacky Peat or Peat (S9) (LRR K, Lacky Peat or Peat (S9) (LRR K, Lacky Peat or Peat (S9) (LRR K, Lacky Peat (S9) (LRR	RA 149B) K, L, R) RR K, L, R) RR K, L) -) RR K, L, R) MLRA 149B) de MLRA 145) on and sent,
Remarks:									



Wetland P2-CD-19- View facing west



Wetland P2-CD-19- 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	City/Count	ty: Fort Ann / Washington County	Sampling Date: 05/13/22			
Applicant/Owner: TDI		State: NY	Sampling Point: UPL CD-19			
Investigator(s): C. Scrivner and C. Einstein	S	ection, Township, Range:	_			
Landform (hillside, terrace, etc.): slight hillslope	Local relief (conca	ave, convex, none): convex	Slope %: 2			
	`	Long: -73.49006	Datum: WGS 84			
Soil Map Unit Name: Hartland very fine sandy loam,	-	NWI classification:	NA			
Are climatic / hydrologic conditions on the site typical f			explain in Remarks.)			
, ,	•					
Are Vegetation, Soil, or Hydrology		Are "Normal Circumstances" prese				
Are Vegetation, Soil, or Hydrology		(If needed, explain any answers in	,			
SUMMARY OF FINDINGS – Attach site m	nap showing sampling po	oint locations, transects, ir	nportant features, etc.			
Hydrophytic Vegetation Present? Yes	No X Is the Sa	ampled Area				
		Wetland? Yes	No X			
Wetland Hydrology Present? Yes	No X If yes, or	otional Wetland Site ID:				
Railroad ROW.						
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicators (n	ninimum of two required)			
Primary Indicators (minimum of one is required; chec	k all that apply)	Surface Soil Cracks	s (B6)			
	ater-Stained Leaves (B9)					
	quatic Fauna (B13)	Moss Trim Lines (B16)				
	arl Deposits (B15)	Dry-Season Water Table (C2)				
	/drogen Sulfide Odor (C1)	Crayfish Burrows (C	,			
	kidized Rhizospheres on Living Ro		n Aerial Imagery (C9)			
	resence of Reduced Iron (C4)	Stunted or Stressed				
	ecent Iron Reduction in Tilled Soils					
	nin Muck Surface (C7)	Shallow Aquitard (D	·			
	ther (Explain in Remarks)	Microtopographic R				
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (I	D5)			
Field Observations:	V Danth (inches)					
Surface Water Present? Yes No Water Table Present? Yes No	X Depth (inches):					
Water Table Present? Yes No Saturation Present? Yes No Saturation Present?	X Depth (inches): Depth (inches):	Wetland Hydrology Present?	Yes No X			
(includes capillary fringe)	A Doptii (iiioiico).	Welland Hydrology 1 10001	165			
Describe Recorded Data (stream gauge, monitoring)	well, aerial photos, previous inspe	L actions), if available:				
5000	,					
Remarks:						

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1 2				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.		·		Total Number of Dominant Species Across All Strata: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 species0 x 1 =0
1. Prunus virginiana	10	Yes	FACU	FACW species0 x 2 =0
2				FAC species15 x 3 =45
3				FACU species 35 x 4 = 140
4				UPL species 5 x 5 = 25
5	1			Column Totals: (A) (B)
6.				Prevalence Index = B/A = 3.82
7				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-"		2 - Dominance Test is >50%
1. Setaria pumila	15	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Setaria faberi	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Plantago lanceolata	10	Yes	FACU	data in Remarks or on a separate sheet)
4. Rosa multiflora	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Artemisia vulgaris	5	No	UPL	The disease of boulding and continued boulded and continued by
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		<u> </u>		Herb – All herbaceous (non-woody) plants, regardless
	45	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2				Thirdren had in
3.				Hydrophytic Vegetation
4.				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: UPL CD-19

SOIL Sampling Point: UPL CD-19

Profile Desci Depth	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)	% 1 Catal	Type ¹	Loc ²	Texture	Rema	arke	
(ITICITES)	Color (moist)	70	Color (moist)	70	Турс	LUC	Texture	IXem	פאוג	
¹Type: C=Co	ncentration, D=Deple	etion RM	-Reduced Matrix M	IS-Mask	ed Sand	Grains	² Location: PL	=Pore Lining, M=M	atrix	
Hydric Soil I		Stion, Itivi	=rcaacca matrix, m	IO-IVIASK	ca Garia	Oranio.		r Problematic Hyd		
-			Dork Surface ((07)						IB\
Histosol			Dark Surface ((00) (1	DD D		k (A10) (LRR K, L ,		
	ipedon (A2)		Polyvalue Belo		ce (58) (L	KK K,		nirie Redox (A16) (L		
Black His	` ,		MLRA 149B	,				ky Peat or Peat (S3		
Hydroger	n Sulfide (A4)		Thin Dark Surf	ace (S9)	(LRR R,	MLRA 1	49B) Polyvalue	Below Surface (S8) (LRR K, I	L)
Stratified	Layers (A5)		High Chroma S	Sands (S	11) (LRR	R K, L)	Thin Dark	Surface (S9) (LRR	K, L)	
Depleted	Below Dark Surface	(A11)	Loamy Mucky	Mineral (F1) (LRF	R K, L)	Iron-Mang	ganese Masses (F1	2) (LRR K,	, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F	- 2)		Piedmont	Floodplain Soils (F	19) (MLRA	149B)
Mesic Sp	odic (A17)		Depleted Matri	x (F3)				nt Material (F21) (o		
	A 144A, 145, 149B)		Redox Dark Su	. ,	6)			low Dark Surface (I		,
	ucky Mineral (S1)		Depleted Dark	,	•			plain in Remarks)	/	
	• , ,						Other (EX	piairi iri iterriaiks)		
	eyed Matrix (S4)		Redox Depres		5)		31	()		
	edox (S5)		Marl (F10) (LR					s of hydrophytic veg		a
Stripped	Matrix (S6)		Red Parent Ma	aterial (F2	21) (MLR	RA 145)	wetland	I hydrology must be	present,	
							unless	disturbed or proble	natic.	
Restrictive L	ayer (if observed):									
Type:	Rock/railroa	ad ballast								
Depth (in	ches).	0					Hydric Soil Present	? Yes	No_	Y
Deptii (iii		0					Tryuric don't resent			
Remarks:										



Upland P2-CD-19- View facing north



Upland P2-CD-19- 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	City/County: Fort Ann / Washington County Sampling Date: 05/13/22
Applicant/Owner: TDI	State: NY Sampling Point: WET CD-22
Investigator(s): C.Scrivner and C.Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression Local re	elief (concave, convex, none): Concave Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 43.38861	Long: -73.49019 Datum: WGS 84
Soil Map Unit Name: Hartland very fine sandy loam, 2 to 6 percent slopes (I	
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 problemat	
SUMMARY OF FINDINGS – Attach site map showing samp	oling 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 CD-22
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) X Water-Stained Leaves (B	X Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	C1) Crayfish Burrows (C8)
X Sediment Deposits (B2) Oxidized Rhizospheres of	n Living Roots (C3)Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron	n (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)Recent Iron Reduction in	• • • • • • • • • • • • • • • • • • • •
Iron Deposits (B5)Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes X No Depth (inches):	
Water Table Present? Yes X No Depth (inches): Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	Welland Hydrology Freschi: Fes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
Fraxinus pennsylvanica	75	Yes	FACW	Number of Deminant Coasias			
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)			
3. 4.				Total Number of Dominant Species Across All Strata:3(B)			
5.				Percent of Dominant Species			
6.				That Are OBL, FACW, or FAC: 66.7% (A/B)			
7				Prevalence Index worksheet:			
	75	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 = 22			
1. Lonicera morrowii	30	Yes	FACU	FACW species 83 x 2 = 166			
2. Cornus amomum	8	No	FACW	FAC species14 x 3 =42			
3. Viburnum recognitum	8	No	FAC	FACU species 35 x 4 = 140			
4. Viburnum lentago	5	No	FAC	UPL species 0 x 5 = 0			
5				Column Totals: 154 (A) 370 (B)			
6.				Prevalence Index = B/A = 2.40			
7		<u> </u>		Hydrophytic Vegetation Indicators:			
	51	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%			
Carex vulpinoidea	20	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹			
2. Lonicera morrowii	5	No	FACU	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)			
3. Symplocarpus foetidus	2	No	OBL				
4. Equisetum arvense	1	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)			
5				¹ Indicators of hydric soil and wetland hydrology must be			
6.				present, unless disturbed or problematic.			
7.		· 		Definitions of Vegetation Strata:			
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			
	28	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30')		•		Woody vines – All woody vines greater than 3.28 ft in			
1.				height.			
2.							
3.				Hydrophytic Vegetation			
4.				Present? Yes X No			
	=Total Cover						
Remarks: (Include photo numbers here or on a separa	te sheet.)			_			
(,						

Sampling Point: WET CD-22

SOIL Sampling Point: WET CD-22

Profile Descr Depth	iption: (Describe to Matrix	(Describe to the depth needed to document the indicator or c Matrix Redox Features					nfirm the absence of indica	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-8	10YR 4/1	80	10YR 3/6	20	С	M	Loamy/Clayey		
8-20	10YR 5/1	70	10YR 4/6	30	С	M	Loamy/Clayey		
			-						
			·						
¹Type: C=Coi	ncentration, D=Deple	etion, RM	I=Reduced Matrix, M	IS=Mask	ed Sand	Grains.	² Location: PL=Pore	E Lining, M=Matrix.	
Hydric Soil Ir			,					blematic Hydric Soils ³ :	
Histosol (•		Dark Surface (0) (LRR K, L, MLRA 149B)	
	pedon (A2)		Polyvalue Belo		e (S8) (I	RR R,	Coast Prairie Redox (A16) (LRR K, L, R)		
Black His			MLRA 149B	,	/I DD D	MIDAA		eat or Peat (S3) (LRR K, L, R)	
	Sulfide (A4)		Thin Dark Surf					w Surface (S8) (LRR K, L)	
	Layers (A5) Below Dark Surface	(A11)	High Chroma S Loamy Mucky					ace (S9) (LRR K, L) e Masses (F12) (LRR K, L, R)	
	k Surface (A12)	(Δ11)	Loamy Gleyed			(K, L)		dplain Soils (F19) (MLRA 149B)	
	odic (A17)		X Depleted Matri		-/			terial (F21) (outside MLRA 145)	
(MLRA 144A, 145, 149B)		Redox Dark Su		6)		Very Shallow Dark Surface (F22)			
Sandy Mu	ıcky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Explain	in Remarks)	
Sandy Gl	eyed Matrix (S4)		Redox Depres	sions (F8	3)				
Sandy Redox (S5)		Marl (F10) (LR				³ Indicators of hydrophytic vegetation and			
Stripped Matrix (S6)		Red Parent Ma	aterial (F2	21) (MLF	RA 145)	wetland hydrology must be present,			
Poetrietive I	ayer (if observed):						unless distur	bed or problematic.	
Type:	ayer (ii observed).								
Depth (in	ches):						Hydric Soil Present?	Yes X No	
Remarks:							Tryuno com Froconti		
Remarks.									



Wetland P2-CD-22- View facing west



Wetland P2-CD-22- 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	C	ity/County: Fort Ann / Wash	ington County S	Sampling Date: 05/13/22
Applicant/Owner: TDI			State: NY	Sampling Point: UPL CD-22
Investigator(s): C. Scrivner and C. Einstein		Section, Township, R	 Range:	
Landform (hillside, terrace, etc.): Flat	Local reli	ef (concave, convex, none):		Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 43.38859	Long: -73.490		Datum: WGS 84
Soil Map Unit Name: Hartland very fine sandy				NA
Are climatic / hydrologic conditions on the site t			-	
, ·				cplain in Remarks.)
Are Vegetation, Soil, or Hydrold			•	
Are Vegetation, Soil, or Hydrold			,	,
SUMMARY OF FINDINGS – Attach	site map showing samp	ling point locations,	transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Area		
		within a Wetland?	Yes	No X
Wetland Hydrology Present?	Yes No X	If yes, optional Wetland Site		
Remarks: (Explain alternative procedures her Railroad ROW.				
HYDROLOGY				
Wetland Hydrology Indicators:		Second	ary Indicators (mir	nimum of two required)
Primary Indicators (minimum of one is required	d; check all that apply)	Sur	face Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)		inage Patterns (B	·
High Water Table (A2)	Aquatic Fauna (B13)		ss Trim Lines (B16	
Saturation (A3)	Marl Deposits (B15)		r-Season Water Ta	
Water Marks (B1)	Hydrogen Sulfide Odor (C1	· —	yfish Burrows (C8	<i>'</i>
Sediment Deposits (B2)	Oxidized Rhizospheres on			Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron		nted or Stressed F	
Algal Mat or Crust (B4)	Recent Iron Reduction in Ti		omorphic Position	
Iron Deposits (B5)	Thin Muck Surface (C7)		allow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)			rotopographic Rel	
Sparsely Vegetated Concave Surface (B8	3)	FA0	C-Neutral Test (D5	5)
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes Saturation Present? Yes	No X Depth (inches): No X Depth (inches):	Wetland Hydrol	lacu Brocont?	Voc. No. Y
	NO A Deptil (iliches).	Welland flydron	ogy Fresent:	Yes No _X
(includes capillary fringe) Describe Recorded Data (stream gauge, moni	sitoring well serial photos previo			
Describe Recorded Data (stream gauge, mon	itoffing well, aerial priotos, previo	ous Irispections), ii avaliabie.		
Remarks:				

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Ulmus americana 2.	2	No	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3.				Total Number of Dominant
4				Species Across All Strata: 2 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
	2	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Prunus virginiana	25	Yes	FACU	FACW species 3 x 2 = 6
2.				FAC species 40 x 3 = 120
3.				FACU species x 4 = 108
4				UPL species5 x 5 =25
5				Column Totals: 75 (A) 259 (B)
6.				Prevalence Index = B/A = 3.45
7.				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Setaria pumila	40	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Artemisia vulgaris	5	No	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Achillea millefolium	2	No	FACU	data in Remarks or on a separate sheet)
4. Bidens frondosa	1	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must be
6				present, unless disturbed or problematic. Definitions of Vegetation Strata:
8.				Definitions of Vegetation Strata.
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12	48	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		-		Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			

Sampling Point: UPL CD-22

SOIL Sampling Point: UPL CD-22

Profile Desc Depth	ription: (Describe to Matrix	o the de		ment the x Feature		tor or co	nfirm the absence of in	ndicators.)		
(inches)	Color (moist)	%	Color (moist)	% 1 Catal	Type ¹	Loc ²	Texture	Rema	arke	
(ITICITES)	Color (moist)	/0	Color (moist)	70	Туре	LUC	Texture	IXemi	IINO	
¹Type: C=Co	ncentration, D=Deple	etion RM	-Reduced Matrix M	IS-Mask	ed Sand	Grains	² Location: PL-	=Pore Lining, M=Ma	atrix	
Hydric Soil I		Ction, Itivi	=rcaacca matrix, m	IO-IVIASK	ca Garia	Oranio.		Problematic Hydr		
-			Dork Surface ((07)				k (A10) (LRR K, L,		
Histosol			Dark Surface ((00) (1	DD D				
	ipedon (A2)		Polyvalue Belo		ce (58) (L	KKK,		irie Redox (A16) (L		
Black His	` '		MLRA 149B	,				ky Peat or Peat (S3		
	n Sulfide (A4)		Thin Dark Surf					Below Surface (S8		L)
Stratified	Layers (A5)		High Chroma S				Thin Dark	Surface (S9) (LRR	K , L)	
Depleted	Below Dark Surface	(A11)	Loamy Mucky	Mineral (F1) (LRF	R K, L)	Iron-Mang	anese Masses (F1	2) (LRR K ,	, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F	- 2)		Piedmont	Floodplain Soils (F	19) (MLRA	149B)
Mesic Sp	oodic (A17)		Depleted Matri	x (F3)			Red Parer	nt Material (F21) (o	utside ML	RA 145)
	A 144A, 145, 149B)		Redox Dark Su	. ,	6)			low Dark Surface (F		•
	ucky Mineral (S1)		Depleted Dark	,				plain in Remarks)	,	
							Other (LX)	piair ir Remarks)		
	leyed Matrix (S4)		Redox Depres		5)		3,	(1 . 1 1 . 6		
	edox (S5)		Marl (F10) (LR					of hydrophytic veg		a
Stripped	Matrix (S6)		Red Parent Ma	aterial (F2	21) (ML R	RA 145)	wetland	hydrology must be	present,	
							unless o	disturbed or probler	natic.	
Restrictive L	.ayer (if observed):									
Type:	Rock/railroa	ad ballast								
Depth (in	ochoc):	0					Hydric Soil Present	? Yes	No	V
Беріп (ііі							Tryunc don't resent	. 163	No	<u>^</u> _
Remarks:										



Upland P2-CD-22- View facing north



Upland P2-CD-22- 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: 11/16/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-JJ-Up
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°,23',05.69"N	Long: 73°,29',22.45"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? Are Vocatation Soil or Hydrology significantly distur-	Yes X No (If no, explain in Remarks.) bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology significantly distur	
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 old field/railroad row.	
Successional old field/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	
<u> </u>	
High Water Table (A2) Aquatic Fauna (B13) And Deposits (B15)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15) Water Marks (B1)	Dry-Season Water Table (C2)
Water Marks (B1) — Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in This Music Surface (C7)	• • • • • • • • • • • • • • • • • • • •
Iron Deposits (B5) Thin Muck Surface (C7) Other (Figure in Present	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No _X_
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

	A L	D' '	La alta d	
ree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Fraxinus americana	15	Yes	FACU	Number of Dominant Species
Juniperus communis	5	Yes	FACU	That Are OBL, FACW, or FAC:1 (A)
Acer saccharum	5	Yes	FACU	Total Number of Dominant
				Species Across All Strata: 6 (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 16.7% (A/E
				Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')				OBL species x 1 =
				FACW species x 2 =
				FAC species x 3 =
				FACU species x 4 =
				UPL species x 5 =
				Column Totals: (A) (E
				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%
Setaria faberi	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Solidago canadensis	10	No	FACU	4 - Morphological Adaptations ¹ (Provide supporti
Phalaris arundinacea	20	Yes	FACW	data in Remarks or on a separate sheet)
Verbascum thapsus	5	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
·				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of height
0 1.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2.				Harb. All borb account (non used the plants remardle
	55	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
/oody Vine Stratum (Plot size: 15')		_		Manka di una di unina ana dan than 2.20 fi
Rubus allegheniensis	5	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft height.
				Hydrophytic
				Vegetation Present? Yes No _ X _
	5	=Total Cover		

SOIL Sampling Point: GR-JJ-Up

Color (moist)	Depth	Matrix	o the de		x Featur		1101 01 01	onfirm the absence of indic	ator 5.)	
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	ks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Histosol (A1) Hydric Soil Present? Polyvalue Below Surface (S8) (LRR R, L) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Thio Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (F1) Sandy Soleyed Matrix (F3) Find Dark Surface (A12) Depleted Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Depleted Dark Surface (F22) Stripped Matrix (S6) Dark Surface (F7) Stripped Matrix (S6) Dark Surface (F7) Polyvalue Below Surface (F22) Stripped Matrix (S6) Dark Surface (F7) Polyvalue Below Surface (F22) Other (Explain in Remarks) Hydric Soil Present? Yes No X	0-8	7.5YR 3/4	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) Hydric Soil Present? Wes_ No_ X Hydric Soil Present? Hydric Soil Present? Hydric Soil Present? Yes_ No_ X	8-12	7.5YR 3/3	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) Hydric Soil Present? Wes_ No_ X Hydric Soil Present? Hydric Soil Present? Hydric Soil Present? Yes_ No_ X										
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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) Peat No X Hydric Soil Present? Yes No X	Hydric Soil	Indicators:						Indicators for Pro	olematic Hydri	c Soils³:
Black Histic (A3)						ce (S8) (LRR R,			
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Dark Surface (S7) And (F10) (LRR K, L) Depleted Dark Surface (F7) Stripped Matrix (S6) 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					•	. /I DD D	MI DA			
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Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) 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				 '	` '	·6)				
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										,
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	Sandy F	Redox (S5)		Redox Depress	sions (F	8)		Very Shallow D	ark Surface (F	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	Stripped	l Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)	
Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Dark Su	rface (S7)								
Restrictive Layer (if observed): Type:	³ Indicators o	f bydrophytic ycgototi	on and w	otland bydrology my	ict ho ni	ocont ur	aloce diet	urbod or problematic		
Type:		, , , ,	on and w	retiand hydrology mi	ist be br	eseni, ui	iless dist	urbed or problematic.		
		, ,								
	Depth (ii	nches):						Hydric Soil Present?	Yes	No X
	Remarks:									
	rtomanto.									



Upland G-R-JJ- View facing Northeast



Upland G-R-JJ- View facing Southeast

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-JJ-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°,23',05.69"N	Long: 73°,29',22.45"W Datum:
Soil Map Unit Name: Kingsbury Silty Clay	NWI classification: 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 Hydrology significantly disturb	
Are Vegetation , Soil , or Hydrologysignificantly distant	
 	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Shrub swamp/emergent marsh	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leaves (B	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	
Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	
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	evious inspections), if available:
Remarks:	
Tomano.	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Fraxinus pennsylvanica	10	Yes	FACW	
Populus deltoides	5	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:6(A)
3. 4.				Total Number of Dominant Species Across All Strata: 6 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0%(A/B)
7				Prevalence Index worksheet:
	15	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 =
1. Cornus amomum	15	Yes	FACW	FACW species x 2 =
2. Alnus incana	10	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.		· <u></u>		Hydrophytic Vegetation Indicators:
	25	=Total Cover	<u> </u>	1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
1. Typha latifolia	15	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
Phalaris arundinacea	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Scirpus atrovirens	10	No No	OBL	data in Remarks or on a separate sheet)
4. Sparganium americanum	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Symphyotrichum novae-angliae	5	No	FACW	<u> </u>
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.			(<u> </u>	
	 55	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15')				
				Woody vines – All woody vines greater than 3.28 ft in height.
2				neight.
2			-	Hydrophytic
_				Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: GR-JJ-Wet

SOIL Sampling Point: GR-JJ-Wet

		o the de				itor or c	onfirm the absence of	f indicators.)
Depth	Matrix	0/		Featur		12	Tantona	Dawaada
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 4/2	97	10YR 5/6	3	С	<u>M</u>	Mucky Loam/Clay	Prominent redox concentrations
								_
							<u> </u>	
								_
							<u> </u>	
1Type: C=C	oncentration, D=Deple	ation PM	I-Peduced Matrix M		ked Sand		² I ocation: P	L=Pore Lining, M=Matrix.
Hydric Soil		ellori, rxiv	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 vegetation	on and w	etland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive I	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Presei	nt? Yes X No
Remarks:							ı	
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	



Wetland G-R-JJ- View facing Northeast



Wetland G-R-JJ- 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: 11/17/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-KK-Up
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Footslopes Local r	relief (concave, convex, none): Concave Slope %: 10
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,22',42.73"N	Long: 73°,29',20.94"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 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	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aguitard (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):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
	,,
Remarks:	

<u>Free Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
. Fraxinus americana	20	Yes	FACU	
Traxinus americana		163	TACO	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
-				matric obt, frow, of fro.
				Total Number of Dominant Species Across All Strata: 5 (B)
	•			Species Across All Strata: 5 (B)
				Percent of Dominant Species
·				That Are OBL, FACW, or FAC: 0.0% (A/E
·				Prevalence Index worksheet:
15 (0) 1 0 (15)	20	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15'				OBL species x 1 =
Lonicera tatarica	10	Yes	FACU	FACW species x 2 =
				FAC species x 3 =
				FACU species x 4 =
				UPL species x 5 =
				Column Totals: (A) (E)
				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size:)				2 - Dominance Test is >50%
Alliaria petiolata	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Solidago canadensis	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporti
Setaria faberi	20	Yes	FACU	data in Remarks or on a separate sheet)
. Verbascum thapsus	5	No	UPL	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.				Harb. All barbassas (non usadu) relanta remardis
	65	=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')	<u>-</u>		
	,			Woody vines – All woody vines greater than 3.28 ft i height.
				Hydrophytic
				Vegetation Present? Yes No _X
		=Total Cover		

SOIL Sampling Point: GR-KK-Up

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Loamy/Clayey	Depth	Matrix	o the de	=	ument ti x Featur		itor or co	onfirm the absence of indic	ators.)	
"Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Histosol (A1) Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A3) Histosol (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Strattlied Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Dark Surface (F7) Sandy Redox (S5) Redox Dark Surface (F7) Sandy Redox (S5) Redox Dark Surface (F7) Dark Surface (S7) Princh Da			%				Loc ²	Texture	Rema	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 (S1) (LRR R, L) High Chroma Sands (S11) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Loamy Mileyal Mineral (F1) (LRR K, L) Thio Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (A12) Pelopted Matrix (F3) Picdmont Floodplain Soils (F19) (MLRA K, L) Horn-Manganese Masses (F12) (LRR K, L) Find Dark Surface (A12) Pidmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) 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) Marl (F10) (LRR K, L) Mark Surface (F7) Mark Surface (F7) Sitripped Matrix (S6) Marl (F10) (LRR K, L) Mark Surface (F7) Sitripped Matrix (S6) Marl (F10) (LRR K, L) Mark Surface (F7) Sitripped Matrix (S6) Mark (F10) (LRR K, L) Mark Surface (F7) Sitripped Matrix (F8) Dark Surface (F7) Protection 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 5/2	100					Sandy		
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) High Chroma Sands (S1) (LRR R, L) High Chroma Sands (S1) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Redox Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Redox Dark Surface (A12) Depleted Dark Surface (A12) Depleted Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Redox Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Redox Dark Surface (F7) Redox Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (F7) Dark Surface (F7) Stripped Matrix (S6) Dark Surface (F7) Dark Surface (F7) Stripped Matrix (F8) Dark Surface (F7) Dark Surface (F7) Philomatic (F8) Dark Surface (F7) Stripped Matrix (F8) Dark Surface (F7) Dark Surface (F7) Philomatic (F8) Dark Surface (F7) Dark Surface (F7) Philomatic (F8) Dark Surface (F7) Dark Surface (F7) Philomatic (F8) Dark Surface (F7) Dark Surface (F8) Hydric Soil Present? Yes No X	3-12	10YR 3/2	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) 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) (LRR K, L) Marl (F10) (LRR K, L) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Marl (F10) (LRR K, L) Marl (F10) (LRR K										
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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) 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) (LRR K, L) Marl (F10) (LRR K, L) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Marl (F10) (LRR K, L) Marl (F10) (LRR K									,	
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Histosol (A1)			ellon, Kiv	I-Reduced Matrix, N	/IO-IVIAS	keu San	J Grains.			•
Black Histic (A3)	=			Polyvalue Belo	w Surfa	ce (S8) (LRR R,		-	
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) 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) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) Joans Surface (S7) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histic Ep	oipedon (A2)		MLRA 149B)			Coast Prairie F	tedox (A16) (LI	RR K, L, R)
Stratified Layers (A5) Loamy Mucky Mineral (F1) (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) 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) Joak 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	Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	149B) 5 cm Mucky Pe	at or Peat (S3)) (LRR K, L, R)
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Stripped Matrix (S6) Dark Surface (S7) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Mesic Spodic (TA6) (MLRA 149B) Mesic Spodic (TA6) (MLR	Hydroge	en Sulfide (A4)								
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Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) 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						-0)				
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Stripped Matrix (S6)										.33)
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						0)			•	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		• •		Wan (1 10) (Lik	, _,			Ottloi (Explain	iii rtomanto,	
Restrictive Layer (if observed): Type:		,								
Type:		, , , ,	on and w	vetland hydrology mu	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	No <u>X</u>
	Remarks:									



Upland G-R-KK- View facing Northeast



Upland G-R-KK- 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: 11/17/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-KK-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°,22',42.73"N	Long: 73°,29',20.94"W Datum:
Soil Map Unit Name: Kingsbury Silty Clay	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 disturl	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No Yes Yes X No Yes Yes X No Yes Yes X No Yes	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.) 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 Leaves (B	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of Deposits (B2)	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	· · · · · · · · · · · · · · · · · · ·
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	: <u> </u>
Water Table Present? Yes No X Depth (inches):	: <u></u>
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	evious inspections), if available:
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Ulmus americana	10	Yes	FACW				
Fraxinus pennsylvanica	5	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:7 (A)			
3				Total Number of Dominant Species Across All Strata: 7 (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 x 1 =			
1. Cornus racemosa	20	Yes	FAC	FACW species x 2 =			
2. Viburnum lentago	20	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:			
	45	=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. Onoclea sensibilis	10	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supportin			
3. Ranunculus repens	10	Yes	FAC	data in Remarks or on a separate sheet)			
4. Urtica gracilis	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Solidago canadensis	5	No	FACU				
6. Symphyotrichum racemosum	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8.				Tree – Woody plants 3 in. (7.6 cm) or more in			
9.				diameter at breast height (DBH), regardless of height.			
10				Sapling/shrub – Woody plants less than 3 in. DBH			
11.				and greater than or equal to 3.28 ft (1 m) tall.			
12.				Herb – All herbaceous (non-woody) plants, regardless			
	45	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 15')		•		Was devices All was devices assets their 2 20 ft in			
1.				Woody vines – All woody vines greater than 3.28 ft in height.			
2.							
2				Hydrophytic			
1				Vegetation Present? Yes X No			
4.		=Total Cover		1103 <u>X</u> NO			
Demonstrate //molecule whate means have been an area account		- Total Gover					
Remarks: (Include photo numbers here or on a separ	ate sneet.)						

Sampling Point: GR-KK-Wet

SOIL Sampling Point: GR-KK-Wet

		o the de				itor or c	onfirm the absence o	f indicators.)
Depth	Matrix	0/		K Featur		12	T	Damanta
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-12	10YR 3/1	97	10YR 5/6	3	С	<u>M</u>	Mucky Loam/Clay	Prominent redox concentrations
								_
								-
¹ Type: C=Ce	oncentration, D=Depl	etion, RN	/=Reduced Matrix, M	1S=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	uck (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	ands (S	611) (LRI	R K, L)	Polyvalu	ie Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky I	Mineral	(F1) (LR I	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
Depleted	l Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matrix	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		X 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	R K, L)			Other (E	xplain in Remarks)
Dark Su	face (S7)							
³ Indicators o	f bydrophytic yegototi	on and w	otland hydrology mu	ict ho ni	ocent ur	aloce die	turbod or problematic	
	_ayer (if observed):	on and v	retiand hydrology mic	ist be pi	esent, ui	iless dis	turbed or problematic.	
Type:	Layer (ii observed).							
•	a shoot.						Uvdvia Sail Brass	rt2 Yea Y No
Depth (ii	iches).						Hydric Soil Prese	nt? Yes X No
Remarks:							004 1 1 4 4 10	
	m is revised from Noi 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,
v 0101011 710,	2010 Errata: (http://w	*****	dodd:gov/intornour c		JOINEITI	0/11/00 1 1	2p2_001200.d00x)	



Wetland G-R-KK- View facing North



Wetland G-R-KK- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE		City/County: Fort An	n / Washington County	Sampling Date: 05/13/22		
Applicant/Owner: TDI			State: NY	Sampling Point: WETCE-2		
Investigator(s): C.Scrivner and C.Einstein		Section, Toy	vnship, Range:			
Landform (hillside, terrace, etc.): Flat	l ocal re	elief (concave, conve		Slope %: 0		
,						
Subregion (LRR or MLRA): LRR R	Lat: 43.37573	Long:	-73.48962	Datum: WGS 84		
Soil Map Unit Name: Covington silty clay loa			NWI classification:	PEM1		
Are climatic / hydrologic conditions on the site	typical for this time of year?	Yes X	(If no,	explain in Remarks.)		
Are Vegetation, Soil, or Hydro	logysignificantly disturbed	ed? Are "Norm	nal Circumstances" prese	ent? Yes X No		
Are Vegetation, Soil, or Hydro	logynaturally problemat	ic? (If needed	l, 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	ere or in a separate report.)					
Shallow emergent marsh.						
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (n	minimum of two required)		
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks	s (B6)		
Surface Water (A1)	Water-Stained Leaves (B					
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3)	Marl Deposits (B15)		Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C		Crayfish Burrows (C	•		
Sediment Deposits (B2)	Oxidized Rhizospheres or	=		on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron	, ,	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in Thin Muck Surface (C7)	Tilled Solis (Co)	Geomorphic Position Shallow Aquitard (E	` '		
Inundation Visible on Aerial Imagery (B7		e)	Microtopographic R			
Sparsely Vegetated Concave Surface (B	· · · ·	3)	X FAC-Neutral Test (I	` '		
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):		d Hydrology Present?	Yes X No		
(includes capillary fringe)						
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:			
2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)			
3. 4.				Total Number of Dominant Species Across All Strata:3(B)			
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)			
7.				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:)				OBL species 53 x 1 = 53			
1. Lonicera morrowii	15	Yes	FACU	FACW species35 x 2 =70			
2.				FAC species0 x 3 =0			
3.				FACU species15 x 4 =60			
4.				UPL species 0 x 5 = 0			
5.				Column Totals: 103 (A) 183 (B)			
				Prevalence Index = B/A = 1.78			
6				Hydrophytic Vegetation Indicators:			
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Hoth Stratum (Diot aiza: E')	15	= Total Cover		X 2 - Dominance Test is >50%			
Herb Stratum (Plot size: 5')		.,	0.51				
1. <u>Typha latifolia</u>	45	Yes	OBL	X 3 - Prevalence Index is ≤3.01			
Phalaris arundinacea Lythrum salicaria	35 8	Yes No	FACW OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
4.				Problematic Hydrophytic Vegetation ¹ (Explain)			
5. 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10.				Sapling/shrub – Woody plants less than 3 in. DBH			
11.				and greater than or equal to 3.28 ft (1 m) tall.			
12				Herb – All herbaceous (non-woody) plants, regardless			
	88	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30') 1.				Woody vines – All woody vines greater than 3.28 ft in height.			
2.							
3.				Hydrophytic			
4.				Vegetation Present? Yes X No			
·		=Total Cover		Tresent: Tes X			
		= Total Cover					
Remarks: (Include photo numbers here or on a separa	ate sheet.)						

Sampling Point: WET CE-2

SOIL Sampling Point: WET CE-2

Depth	Matrix	ine de		x Featur		tor or cor	nfirm the absence of indic	Jaiors.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-2	10YR 4/1	100					Sandy			
2-20	N 5/	80	5YR 4/4	20	С	М	Loamy/Clayey			
							·			
17 0. 0.			Dadward Matrix M				21 ti DI D	Lining M. Matri.		
Hydric Soil I	oncentration, D=Deple	tion, RIVI	=кедисед матгіх, м	S=Mask	ed Sand	Grains.		ore Lining, M=Matrix. oblematic Hydric Soils ³ :		
Histosol			Dark Surface (S7)				A10) (LRR K, L, MLRA 149B)		
Histic Ep	pipedon (A2)		Polyvalue Belo		ce (S8) (I	_RR R,	Coast Prairie	Redox (A16) (LRR K, L, R)		
Black Hi	stic (A3)		MLRA 149B)			5 cm Mucky I	Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		Thin Dark Surfa					low Surface (S8) (LRR K, L)		
	Layers (A5)		High Chroma S					rface (S9) (LRR K, L)		
	Below Dark Surface	(A11)	Loamy Mucky I			R K, L)		ese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)		X Loamy Gleyed		F2)			odplain Soils (F19) (MLRA 149B)		
	oodic (A17) A 144A, 145, 149B)		Depleted Matrix Redox Dark Su		·6)			Material (F21) (outside MLRA 14 9 Dark Surface (F22)		
,	lucky Mineral (S1)		Depleted Dark	,				n in Remarks)		
	leyed Matrix (S4)		Redox Depress		` '		• (2/4)			
	edox (S5)		Marl (F10) (LR	•	,		³ Indicators of	hydrophytic vegetation and		
Stripped	Matrix (S6)		Red Parent Ma	terial (F	21) (MLF	RA 145)	wetland hydrology must be present,			
							unless dist	urbed or problematic.		
	_ayer (if observed):									
Type:										
Depth (ir	nches):						Hydric Soil Present?	Yes X No		
Remarks:										



Wetland P2-CE-2- View facing southwest



Wetland P2-CE-2- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	City/County: Fort A	nn / Washington County	Sampling Date: 05/13/22			
Applicant/Owner: TDI		State: NY	Sampling Point: WET CF-1			
Investigator(s): C.Scrivner and C.Einstein	Section, To	ownship, Range:				
Landform (hillside, terrace, etc.): Flat	Local relief (concave, conv	ex, none): None	Slope %: 0			
Subregion (LRR or MLRA): LRR R Lat: 43			Datum: WGS 84			
Soil Map Unit Name: Covington silty clay loam (Cv)		NWI classification:	PEM1			
Are climatic / hydrologic conditions on the site typical for this	4ima of year? Vec Y		-			
, ,						
Are Vegetation, Soil, or Hydrologysign		mal Circumstances" preser				
Are Vegetation, Soil, or Hydrologyna	turally problematic? (If neede	d, explain any answers in I	Remarks.)			
SUMMARY OF FINDINGS – Attach site map s	howing sampling point loc	ations, transects, im	nportant features, etc.			
Hydrophytic Vegetation Present? Yes X	No Is the Sampled A	rea				
	No within a Wetland		No			
		etland Site ID: Near flag	CF-1			
Shallow emergent marsh.						
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicators (m	inimum of two required)			
Primary Indicators (minimum of one is required; check all the	,	Surface Soil Cracks	` '			
	tained Leaves (B9)					
	Fauna (B13)	Moss Trim Lines (B16)				
· · · · · ·	posits (B15)	Dry-Season Water T				
—	n Sulfide Odor (C1)	Crayfish Burrows (C	′			
<u> </u>	Rhizospheres on Living Roots (C3)					
	e of Reduced Iron (C4)	Stunted or Stressed	· ·			
	ron Reduction in Tilled Soils (C6)					
	ck Surface (C7)					
	xplain in Remarks)					
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (D	05)			
Field Observations:						
Surface Water Present? Yes No X	Depth (inches):					
	Depth (inches): Wetlan	nd Hydrology Present?	Voc. Y No.			
	Depth (inches).	na Hyarology Fresent:	Yes X No			
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, a	orial photos, previous inspections) if	ovailable:				
Describe Recorded Data (Stream gauge, monitoring well, a	atiai priotos, previous irispections), i	avaliable.				
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:3(A)				
3. 4.				Total Number of Dominant Species Across All Strata:4 (B)				
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)				
7				Prevalence Index worksheet:				
		=Total Cover		Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size: 15')				OBL species 40 x 1 = 40				
1. Acer negundo	10	Yes	FAC	FACW species 47 x 2 = 94				
2. Lonicera morrowii	10	Yes	FACU	FAC species 20 x 3 = 60				
3. Viburnum lentago	5	No	FAC	FACU species10 x 4 =40				
4. Cornus amomum	5	No	FACW	UPL species 0 x 5 = 0				
5. Ulmus americana	2	No	FACW	Column Totals: 117 (A) 234 (B)				
6				Prevalence Index = B/A = 2.00				
7				Hydrophytic Vegetation Indicators:				
	32	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation				
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%				
1. Phalaris arundinacea	40	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹				
2. Carex vulpinoidea	25	Yes	OBL	4 - Morphological Adaptations (Provide supporting				
3. Typha latifolia	15	No	OBL	data in Remarks or on a separate sheet)				
4. Equisetum arvense	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)				
5 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
7.				Definitions of Vegetation Strata:				
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
12.				Herb – All herbaceous (non-woody) plants, regardless				
	85	=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				noight.				
2				Hydrophytic				
4				Vegetation Present? Yes X No				
4.		=Total Cover		Tresent: Tes X				
		= Total Cover						
Remarks: (Include photo numbers here or on a separ	ate sheet.)							

Sampling Point:

WET CF-1

SOIL Sampling Point: WET CF-1



Wetland P2-CF-1- View facing west/southwest



Wetland P2-CF-1- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	City/	County: Fort Ann / Washington County	Sampling Date: 05/13/22					
Applicant/Owner: TDI		State: NY	Sampling Point: UPLCE-2 & CF-1					
Investigator(s): C. Scrivner and 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: 43.37577	Long: -73.48945	Datum: WGS 84					
Soil Map Unit Name: Covington silty clay loa		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 Hydro	ology significantly disturbed?	Are "Normal Circumstances" prese	ent? Yes X No					
Are Vegetation, Soil, or Hydro		(If needed, explain any answers in	Remarks.)					
SUMMARY OF FINDINGS – Attach								
Hydrophytic Vegetation Present?	Yes No X Is t	the Sampled Area						
Hydric Soil Present?		thin a Wetland? Yes	No X					
Wetland Hydrology Present?		ves, optional Wetland Site ID:	<u> </u>					
Remarks: (Explain alternative procedures he Railroad ROW. Upland data point for CE-2 &								
HYDROLOGY								
Wetland Hydrology Indicators:	_	Secondary Indicators (r	minimum of two required)					
Primary Indicators (minimum of one is requir	ed; check all that apply)	Surface Soil Cracks	s (B6)					
Surface Water (A1)	Water-Stained Leaves (B9)	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)	(C1) Crayfish Burrows (C8)						
Sediment Deposits (B2)	Oxidized Rhizospheres on Liv	s on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3)	Presence of Reduced Iron (C4	d Iron (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled	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 Remarks)	rks) Microtopographic Relief (D4)						
Sparsely Vegetated Concave Surface (E	38)	FAC-Neutral Test (I	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, mo	nitoring well, aerial photos, previous	inspections), if available:						
Remarks:								

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Fraxinus pennsylvanica	8	Yes	FACW	Number of Dominant Species			
2. Rhamnus cathartica	6	Yes	FAC	That Are OBL, FACW, or FAC: 2 (A)			
3. Acer negundo	3	No	FAC	Total Number of Deminerat			
4.				Total Number of Dominant Species Across All Strata: 5 (B)			
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)			
7.				Prevalence Index worksheet:			
	17	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:15')		•		OBL species 0 x 1 = 0			
1. Rubus occidentalis	10	Yes	UPL	FACW species 8 x 2 = 16			
2. Lonicera morrowii	10	Yes	FACU	FAC species 16 x 3 = 48			
3. Prunus virginiana	5	No	FACU	FACU species 65 x 4 = 260			
4. Acer negundo	2	No	FAC	UPL species 12 x 5 = 60			
5.				Column Totals: 101 (A) 384 (B)			
6.				Prevalence Index = B/A = 3.80			
7.				Hydrophytic Vegetation Indicators:			
	27	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%			
1. Alliaria petiolata	35	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹			
Taraxacum officinale	10	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting			
Plantago lanceolata	5	No	FACU	data in Remarks or on a separate sheet)			
4. Acer negundo	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Artemisia vulgaris	2	No	UPL	-			
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10.							
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12				Herb – All herbaceous (non-woody) plants, regardless			
	57	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in			
1.				height.			
2.							
3.				Hydrophytic Vegetation			
4.				Present? Yes No X			
		=Total Cover					
Remarks: (Include photo numbers here or on a separa	ate sheet.)	-					
	,						

Sampling Point: UPL CE-2 & CF-1

SOIL Sampling Point: UPL CE-2 & CF-1

Profile Descr Depth	ription: (Describe to Matrix	the de		ı ment th x Featur		tor or co	nfirm the absence of indi	cators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	arks	
(mones)	Color (moist)		Color (moist)		Турс		TOXIGIO	Rom	arito	
¹Type: C=Co	ncentration, D=Deple	tion RM	I-Reduced Matrix M	S-Mack	ed Sand	Grains	² Location: PL=P	ore Lining M-M	atriv	
Hydric Soil Ir		tion, raiv	i=i\caacca iviatiix, ivi	0-Mask	ca Garia	Oranis.	Indicators for P			
-			Dork Surface (C7)				A10) (LRR K, L,		
Histosol (Dark Surface (- (00) (1	DD D				
	pedon (A2)		Polyvalue Belo		æ (58) (L	KKK,		Redox (A16) (L		
Black His	` '		MLRA 149B	,				Peat or Peat (SC		
	Sulfide (A4)		Thin Dark Surf					elow Surface (S8		L)
Stratified	Layers (A5)		High Chroma S				Thin Dark S	urface (S9) (LRF	ł K , L)	
Depleted	Below Dark Surface	(A11)	Loamy Mucky	Mineral (F1) (LRF	R K, L)	Iron-Mangar	ese Masses (F1	2) (LRR K	, L, R)
Thick Da	k Surface (A12)		Loamy Gleyed	Matrix (F	- 2)		Piedmont Flo	oodplain Soils (F	19) (MLR	A 149B)
Mesic Sp	odic (A17)		Depleted Matri	x (F3)			Red Parent I	Material (F21) (o	utside ML	.RA 145)
	A 144A, 145, 149B)		Redox Dark Su		6)			/ Dark Surface (ĺ
•	ucky Mineral (S1)		Depleted Dark	•	•			in in Remarks)	,	
			Redox Depres				Other (Expla	iii iii iteiliaiks)		
	eyed Matrix (S4)				P)		31	f		
Sandy Re			Marl (F10) (LR					f hydrophytic veg		ia
Stripped I	Matrix (S6)		Red Parent Ma	aterial (F	21) (ML R	(A 145)	wetland hy	drology must be	present,	
							unless dis	turbed or proble	matic.	
Restrictive L	ayer (if observed):									
Type:	Rock/railroa	d ballast	t							
Depth (in	ches).	0					Hydric Soil Present?	Yes	No	X
							,			
Remarks:										



Upland P2-CE-2 & P2-CF-1- View facing north



Upland P2-CE-2 & P2-CF-1- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	City/County: Fort Ann / Washington County Sampling Date: 05/13/22								
Applicant/Owner: TDI	State: NY Sampling Point: WET CG-1								
Investigator(s): C.Scrivner and C.Einstein	Section, Township, Range:								
·	Local relief (concave, convex, none): Concave Slope %: 3								
Subregion (LRR or MLRA): LRR R Lat: 43.37265	Long: -73.48984 Datum: WGS 84								
Soil Map Unit Name: Claverack loamy fine sand, 0 to 2 percent slope									
									
Are climatic / hydrologic conditions on the site typical for this time of year									
Are Vegetation, Soil, or Hydrologysignificantly of									
Are Vegetation, Soil, or Hydrologynaturally prob	blematic? (If needed, explain any answers in Remarks.)								
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.									
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area								
Hydric Soil Present? Yes X No	within a Wetland? Yes X No								
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near flag CG-1								
Remarks: (Explain alternative procedures here or in a separate repor Shallow emergent marsh.									
HYDROLOGY									
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)								
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)								
Surface Water (A1) Water-Stained Lea	<u> </u>								
High Water Table (A2) Aquatic Fauna (B13)									
Saturation (A3) Marl Deposits (B15	<u>—</u>								
Water Marks (B1) Hydrogen Sulfide C									
	neres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)								
X Drift Deposits (B3) Presence of Reduc									
<u> </u>	tion in Tilled Soils (C6) X Geomorphic Position (D2)								
Iron Deposits (B5) Thin Muck Surface									
Inundation Visible on Aerial Imagery (B7)Other (Explain in Responsely Vegetated Concave Surface (B8)	Remarks) Microtopographic Relief (D4) X FAC-Neutral Test (D5)								
' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	A FAC-INEULIAL LEST (DD)								
Field Observations: Surface Water Precent? Voc. No. V. Dooth (incl	shaal.								
	ches):								
Water Table Present? Yes No X Depth (included) Saturation Present? Yes No X Depth (included)	ches): ches): Wetland Hydrology Present? Yes X No								
(includes capillary fringe)	Treating Try and Try a								
Describe Recorded Data (stream gauge, monitoring well, aerial photo-	os, previous inspections), if available:								
Remarks:									

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Zanthoxylum americanum	2	No	FACU				
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 2 (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:			
	2	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0			
1. Acer negundo	5	Yes	FAC	FACW species 95 x 2 = 190			
2				FAC species 5 x 3 = 15			
3				FACU species 7 x 4 = 28			
4				UPL species 0 x 5 = 0			
5.				Column Totals: 107 (A) 233 (B)			
6				Prevalence Index = B/A = 2.18			
7.				Hydrophytic Vegetation Indicators:			
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%			
1. Phalaris arundinacea	95	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹			
2. Taraxacum officinale	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
3. 4.				Problematic Hydrophytic Vegetation ¹ (Explain)			
5.				¹ Indicators of hydric soil and wetland hydrology must be			
6				present, unless disturbed or problematic. Definitions of Vegetation Strata:			
8.							
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12.							
12.	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size:) 1.				Woody vines – All woody vines greater than 3.28 ft in height.			
				neight.			
2.				Hydrophytic			
3.				Vegetation			
4.				Present?			
		=Total Cover					
Remarks: (Include photo numbers here or on a separa	ate sheet.)						

Sampling Point: WET CG-1

SOIL Sampling Point: WET CG-1

Profile Desci Depth	Profile Description: (Describe to the depth needed to document the indicator or concepth Matrix Redox Features						nfirm the absence of indicato	idicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-2	10YR 4/1	70	10YR 3/6	30	С	M	Loamy/Clayey			
2-20	10YR 5/1	60	10YR 3/6	40	С	М	Loamy/Clayey			
¹Type: C=Co	ncentration, D=Deple	tion. RM	=Reduced Matrix. M	IS=Mask	ed Sand	Grains.	² Location: PL=Pore I	ining. M=Matrix	ί.	
Hydric Soil In		,	,				Indicators for Problem			
Histosol ((A1)		Dark Surface ((S7)			2 cm Muck (A10) (LRR K, L, MLRA 149B)			
	ipedon (A2)		Polyvalue Below Surface (S8) (LRR R,			Coast Prairie Redox (A16) (LRR K, L, R)				
Black His			MLRA 149B	•			5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
	Sulfide (A4)		Thin Dark Surf							
	Layers (A5)	(111)	High Chroma S				Thin Dark Surface (S9) (LRR K, L)			
	Below Dark Surface rk Surface (A12)	(A11)	Loamy Mucky			(K, L)	Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B)			
	odic (A17)		Loamy Gleyed Matrix (F2) X Depleted Matrix (F3)				Red Parent Material (F21) (outside MLRA 145)			
	A 144A, 145, 149B)		Redox Dark Surface (F6)				Very Shallow Dark Surface (F22)			
•	ucky Mineral (S1)		Depleted Dark				Other (Explain in Remarks)			
Sandy GI	eyed Matrix (S4)		Redox Depres	sions (F8	3)					
Sandy Re	edox (S5)		Marl (F10) (LR	RK, L)			³ Indicators of hydrophytic vegetation and			
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145)			RA 145)	wetland hydrology must be present,						
Do atriativa I	(if al-a)						unless disturbe	ed or problemation	C.	
Type:	ayer (if observed):									
Depth (in	choc):						Hydric Soil Present?	Yes X	No	
							nyuric son Fresent?		No	
Remarks:										



Wetland P2-CG-1- View facing northeast



Wetland P2-CG-1- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

Project/Site: CHPE		City/County: Fort Ani	า / Washington County	Sampling Date: 05/13/22		
Applicant/Owner: TDI			State: NY	Sampling Point: UPL CG-1		
Investigator(s): C. Scrivner and C. Einstein		Section, Tov	vnship, Range:			
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve	к, none): <u>Convex</u>	Slope %: 10		
Subregion (LRR or MLRA): LRR R	Lat: 43.37258	Long:	-73.4898	Datum: WGS 84		
Soil Map Unit Name: Claverack loamy fine	sand, 0 to 2 percent slopes (CIA	()	NWI classification:	NA		
Are climatic / hydrologic conditions on the site	e typical for this time of year?	Yes X	No (If no,	explain in Remarks.)		
Are Vegetation, Soil, or Hydro	ology significantly disturb	ed? Are "Norm	nal Circumstances" prese			
Are Vegetation, Soil, or Hydro	<u> </u>		, explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – Attach						
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Ar	 ea			
Hydric Soil Present?	Yes No X	within a Wetland?		No X		
Wetland Hydrology Present?	Yes No X	If yes, optional Wet	land Site ID:			
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (m	ninimum of two required)		
Primary Indicators (minimum of one is requi	red; check all that apply)		Surface Soil Cracks			
Surface Water (A1)	Water-Stained Leaves (B	39)	Drainage Patterns (
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B			
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C		Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres of	=		n Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron Recent Iron Reduction in		Stunted or Stressed			
Algal Mat or Crust (B4) Iron Deposits (B5)	Thin Muck Surface (C7)	Tilled Solls (Co)	Geomorphic Positio Shallow Aquitard (D	, ,		
Inundation Visible on Aerial Imagery (B)		(e)	Microtopographic R			
Sparsely Vegetated Concave Surface (I			FAC-Neutral Test (I			
Field Observations:			<u> </u>	,		
Surface Water Present? Yes	No X Depth (inches):					
	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):		d Hydrology Present?	Yes No _X		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, prev	vious inspections), if a	available:			
Remarks:						

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
 Rhus typhina 	15	Yes	UPL	Number of Dominant Species That Are OBL, FACW, or FAC:(A)			
3. 4.				Total Number of Dominant Species Across All Strata:4 (B)			
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)			
7.				Prevalence Index worksheet:			
	15	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:15')		-		OBL species 0 x 1 = 0			
1. Cornus racemosa	40	Yes	FAC	FACW species 0 x 2 = 0			
2. Lonicera morrowii	25	Yes	FACU	FAC species 40 x 3 = 120			
3.				FACU species 50 x 4 = 200			
4.				UPL species 15 x 5 = 75			
5.				Column Totals: 105 (A) 395 (B)			
6.				Prevalence Index = B/A = 3.76			
7.				Hydrophytic Vegetation Indicators:			
	65	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')		-		2 - Dominance Test is >50%			
Solidago canadensis	25	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹			
2.				4 - Morphological Adaptations ¹ (Provide supporting			
3.				data in Remarks or on a separate sheet)			
4.				Problematic Hydrophytic Vegetation ¹ (Explain)			
5				¹ Indicators of hydric soil and wetland hydrology must be			
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			
	25	=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? Yes No _X			
		=Total Cover					
Remarks: (Include photo numbers here or on a separa	ate sheet.)						

Sampling Point: UPL CG-1

SOIL Sampling Point: UPL CG-1

Depth	Profile Description: (Describe to the depth needed to document the indicator or c Depth Matrix Redox Features				tor or co	nfirm the absence of Indi	indicators.)			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	narks	
0-2	10YR 4/3	100					Sandy			
2-20	10YR 4/2	100					Sandy			
	101111/1/2	100					Canay			
¹ Type: C=Co	oncentration, D=Deple	tion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL=P	ore Lining, M=N	latrix.	
Hydric Soil I	Indicators:						Indicators for P	oblematic Hyd	lric Soils³:	
Histosol			Dark Surface (\$					A10) (LRR K, L		
	pipedon (A2)		Polyvalue Belo		ce (S8) (L	₋RR R,				
Black His	, ,		MLRA 149B	,			5 cm Mucky Peat or Peat (S3) (LRR K, L, R			
· ·	en Sulfide (A4)		Thin Dark Surfa	, ,			· — ·	elow Surface (St		L)
	d Layers (A5)	(111)	High Chroma S					urface (S9) (LRF		'
	d Below Dark Surface	(A11)	Loamy Mucky I			₹ K, L)		ese Masses (F1 oodplain Soils (F		
	ark Surface (A12) podic (A17)		Loamy Gleyed Depleted Matrix	,	-2)			Material (F21) (c		
	A 144A, 145, 149B)		Redox Dark Su		:6)			Dark Surface (.KA 143)
	Mucky Mineral (S1)		Depleted Dark					in in Remarks)	,	
	Gleyed Matrix (S4)		Redox Depress					,		
	Redox (S5)		Marl (F10) (LR		,		³ Indicators o	f hydrophytic ve	getation an	ıd
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	21) (MLF	RA 145)	wetland hy	drology must be	e present,	
							unless dis	turbed or proble	matic.	
Restrictive I	Layer (if observed):									
Type:										
Depth (ir	nches):						Hydric Soil Present?	Yes	No_	Χ
Remarks:							L			



Upland P2-CG-1- View facing north



Upland P2-CG-1- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

Project/Site: CHPE Package 2	C	ity/County: Fort An	n / Washington County	Sampling Date: 05/26/22			
Applicant/Owner: TDI			State: NY	Sampling Point: WET P2-G-36			
Investigator(s): C.Scrivner and K. Weiskotten		Section, Tov	wnship, Range:				
Landform (hillside, terrace, etc.): Depression	Local reli	ief (concave, conve	x, none): Concave	Slope %: 3			
Subregion (LRR or MLRA): LRR R	Lat: 43.3723		-73.49198	Datum: WGS 84			
Soil Map Unit Name: Covington silty clay loan			NWI classification:	PEM1			
Are climatic / hydrologic conditions on the site t	ypical for this time of year?	Yes X	No (If no, e	explain in Remarks.)			
Are Vegetation, Soil, or Hydrold	ogysignificantly disturbed	d? Are "Norm	nal Circumstances" prese	nt? Yes X No			
Are Vegetation, Soil, or Hydrold	ogynaturally problematic	:? (If needed	d, explain any answers in	Remarks.)			
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point loca	tions, transects, in	nportant features, etc.			
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Ar	rea				
Hydric Soil Present?		within a Wetland?		No			
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID: Near flag	P2-G-36			
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (m	ninimum of two required)			
Primary Indicators (minimum of one is require	d; check all that apply)		Surface Soil Cracks	(B6)			
X Surface Water (A1)	Water-Stained Leaves (B9))	X Drainage Patterns (•			
X High Water Table (A2)	Aquatic Fauna (B13)						
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water				
Water Marks (B1)	Hydrogen Sulfide Odor (C1		Crayfish Burrows (C	·			
Sediment Deposits (B2)	Oxidized Rhizospheres on	• , ,		n Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed				
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in T Thin Muck Surface (C7)	liled Solls (Co)	X Geomorphic Positio Shallow Aquitard (D				
Inundation Visible on Aerial Imagery (B7)		١	Microtopographic R				
Sparsely Vegetated Concave Surface (B8		,	X FAC-Neutral Test (` '			
Field Observations:	7		<u> </u>	,,,			
Surface Water Present? Yes X	No Depth (inches):	0.5					
Water Table Present? Yes X	No Depth (inches):						
Saturation Present? Yes X	No Depth (inches):		d Hydrology Present?	Yes X No			
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previo	ous inspections), if	available:				
Remarks:							

Tree Stratum (Plot size: 30')	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:			
<u>Tree Stratum</u> (Plot size:) 1.	% Cover	Species?	Status	Dominance rest worksneet.			
2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)			
3. 4.				Total Number of Dominant Species Across All Strata: 4 (B)			
5.				Percent of Dominant Species			
6.				That Are OBL, FACW, or FAC: 75.0% (A/B)			
7				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:15')				OBL species 25 x 1 = 25			
1. Rubus idaeus	15	Yes	FACU	FACW species 70 x 2 = 140			
2.				FAC species 5 x 3 = 15			
3.				FACU species15 x 4 =60			
4.				UPL species0 x 5 =0			
5.				Column Totals: 115 (A) 240 (B)			
6.				Prevalence Index = B/A = 2.09			
7.				Hydrophytic Vegetation Indicators:			
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%			
1. Phalaris arundinacea	35	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹			
2. Ribes americanum	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting			
3. Lythrum salicaria	15	No	OBL	data in Remarks or on a separate sheet)			
4. Carex gynandra	10	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Impatiens capensis	10	No	FACW	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			
	95	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in			
1. Vitis riparia	5	Yes	FAC	height.			
2				Hydrophytic			
3.				Vegetation			
·				Present? Yes X No No			
4.							

Sampling Point: WET P2-G-36

SOIL Sampling Point: WET P2-G-36

Profile Description: (Describe to the depth needed to document the indicator or co Depth Matrix Redox Features						nfirm the absence of i	indicators.)			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	S	
0-3	10YR 3/1	100					Loamy/Clayey			
3-16	7.5YR 3/1	90	10YR 4/4	10		M	Loamy/Clayey	Prominent redox coi	ncentrations	
			-							
	ncentration, D=Deple	etion, RM	I=Reduced Matrix, M	1S=Mask	ed Sand	Grains.		L=Pore Lining, M=Matrix		
Hydric Soil Indicators:								or Problematic Hydric		
Histosol (,	Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R ,				DD D	2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)			
Black His	ipedon (A2) stic (A3)		MLRA 149E		e (36) (L	LKK K,	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
	n Sulfide (A4)		Thin Dark Surf	,	(LRR R,	, MLRA 1		e Below Surface (S8) (L		
	Layers (A5)		High Chroma					k Surface (S9) (LRR K,		
Depleted	Below Dark Surface	(A11)	Loamy Mucky	Mineral (F1) (LRF	R K, L)	Iron-Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12)		Loamy Gleyed	•	-2)			t Floodplain Soils (F19)		
	odic (A17)		Depleted Matri		_,			ent Material (F21) (outs		
•	A 144A, 145, 149B)		X Redox Dark S					allow Dark Surface (F22)	
	ucky Mineral (S1) leyed Matrix (S4)		Depleted Dark X Redox Depres		. ,		Other (Ex	xplain in Remarks)		
	edox (S5)		Marl (F10) (LR		<i>'</i>)		³ Indicators of hydrophytic vegetation and			
	Matrix (S6)		Red Parent Ma		21) (MLR	RA 145)	wetland hydrology must be present,			
							unless	disturbed or problemat	ic.	
Restrictive L	ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Presen	t? Yes X	No	
Remarks:										



Wetland P2-G-36- View facing north



Wetland P2-G-36- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

Project/Site: CHPE Package 2	(City/County: Fort An	n / Washington County_	Sampling Date: 05/26/22		
Applicant/Owner: TDI		<u> </u>	State: NY	Sampling Point: UPL P2-G-36		
Investigator(s): C.Scrivner and K. Weiskotten	1	Section, Tov	vnship, Range:			
Landform (hillside, terrace, etc.): Hillslope		elief (concave, conve		Slope %: 15		
Subregion (LRR or MLRA): LRR R	Lat: 43.3723		-73.49205	Datum: WGS 84		
Soil Map Unit Name: Covington silty clay loar		LUIIg.	NWI classification:	NA		
·						
Are climatic / hydrologic conditions on the site	•	Yes X		explain in Remarks.)		
Are Vegetation, Soil, or Hydrol	' <u></u>		nal Circumstances" prese			
Are Vegetation, Soil, or Hydrol	ogynaturally problemative	ic? (If needed	I, explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, ir	mportant features, etc.		
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Ar	ea			
Hydric Soil Present?	Yes No X	within a Wetland?		No X		
Wetland Hydrology Present?	Yes No X	If yes, optional We				
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (n	ninimum of two required)		
Primary Indicators (minimum of one is require	• • • • •		Surface Soil Cracks	` '		
Surface Water (A1)	Water-Stained Leaves (B9					
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C		Crayfish Burrows (C			
Sediment Deposits (B2)	Oxidized Rhizospheres on	-		n Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron	` '	Stunted or Stressed			
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in 7 Thin Muck Surface (C7)	Tilled Solis (Co)	Geomorphic Position Shallow Aquitard (D			
Inundation Visible on Aerial Imagery (B7)		e)	Microtopographic R	·		
Sparsely Vegetated Concave Surface (B)		5)	FAC-Neutral Test (I	, ,		
Field Observations:	<u>-, </u>			50)		
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):		d Hydrology Present?	Yes No X		
(includes capillary fringe)	· · · _		,			
Describe Recorded Data (stream gauge, mon	nitoring well, aerial photos, previ	ious inspections), if a	available:			
Remarks:						

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Rhus typhina 2.	5	Yes	UPL	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)			
3.				Total Number of Dominant			
4 5				Species Across All Strata: 5 (B) Percent of Dominant Species			
6				That Are OBL, FACW, or FAC: 0.0% (A/B)			
7		<u> </u>		Prevalence Index worksheet:			
	5	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 = 0			
1. Rhus typhina	10	Yes	UPL	FACW species 10 x 2 = 20			
2				FAC species 0 x 3 = 0			
3.				FACU species 35 x 4 = 140			
4				UPL species 55 x 5 = 275			
5				Column Totals: 100 (A) 435 (B)			
6.				Prevalence Index = B/A = 4.35			
7	-			Hydrophytic Vegetation Indicators:			
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%			
1. Artemisia vulgaris	25	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹			
2. Parthenocissus quinquefolia	15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting			
3. Bromus inermis	15	Yes	UPL	data in Remarks or on a separate sheet)			
4. Solidago canadensis	10	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Phalaris arundinacea	10	No	FACW	Indicators of hydric soil and wetland hydrology must be			
6. Alliaria petiolata	10	No	FACU	present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10		. <u> </u>		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			
	85	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in			
1		·		height.			
2		· ——		Hydrophytic			
3.		<u> </u>		Vegetation Present? Yes No X			
Λ				rieseitt: ies No X			
4		=Total Cover					

Sampling Point: UPL P2-G-36

SOIL Sampling Point: UPL P2-G-36

Depth	Matrix	o tne de		ment tn x Featur		or or co	nfirm the absence of ind	icators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	narks	
()	(**************************************		()		1711					
					<u> </u>					
17		tion DN	L Dadward Matrix M			0	21 tion DI E	Dana Linina M. N.	1 - t-i	
	ncentration, D=Deple	etion, Riv	i=Reduced Matrix, M	5=IVIASK	ea Sana	Grains.	² Location: PL=F			
Hydric Soil I			5 1 6 7 7	 \			Indicators for F	-		
Histosol			Dark Surface (\$,				(A10) (LRR K, L		
	ipedon (A2)		Polyvalue Belo		ce (S8) (L	RR R,		e Redox (A16) (
Black His	, ,		MLRA 149B)					Peat or Peat (S		
Hydrogei	n Sulfide (A4)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1	49B) Polyvalue B	elow Surface (S	8) (LRR K ,	L)
Stratified	Layers (A5)		High Chroma S	ands (S	11) (LRF	R K, L)	Thin Dark S	urface (S9) (LRI	R K, L)	
Depleted	Below Dark Surface	(A11)	Loamy Mucky I	Mineral (F1) (LRF	R K, L)	Iron-Manga	nese Masses (F	12) (LRR K	, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F	- 2)		Piedmont F	loodplain Soils (F	-19) (MLR	A 149B)
Mesic Sp	oodic (A17)		Depleted Matrix	k (F3)			Red Parent	Material (F21) (outside ML	.RA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	rface (F	6)			w Dark Surface (
	ucky Mineral (S1)		Depleted Dark	Surface	(F7)			ain in Remarks)		
	leyed Matrix (S4)		Redox Depress		` '			,		
	edox (S5)		Marl (F10) (LR		-,		³ Indicators of	of hydrophytic ve	netation an	nd
	Matrix (S6)		Red Parent Ma		21) /MI D	Λ 1/15)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present,			
Otripped	Watrix (00)		Red i alcili wa	ichai (i z	21) (IVILIV	A 143)				
Destrictive I	aver (if about ed).						uniess dis	sturbed or proble	mauc.	
	.ayer (if observed):									
Type:	Rock/	Fill								
Depth (in	nches):	0					Hydric Soil Present?	Yes	No	X
Remarks:							l			
Remarks.										



Upland P2-G-36- View facing north



Upland P2-G-36- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

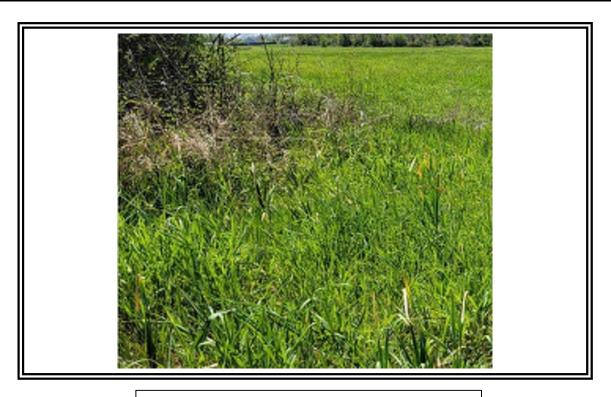
Project/Site: CHPE	City/Cou	nty: Fort Ann / Washington County	Sampling Date: 05/13/22				
Applicant/Owner: TDI		State: NY	Sampling Point: WET CH-2				
Investigator(s): C.Scrivner and C.Einstein		Section, Township, Range:					
Landform (hillside, terrace, etc.): Depression	n Local relief (con-	cave, convex, none): Concave	Slope %: 2				
Subregion (LRR or MLRA): LRR R	Lat: 43.37192	Long: -73.48972	Datum: WGS 84				
Soil Map Unit Name: Covington silty clay loa	m (Cv)	NWI classification:	PEM1				
Are climatic / hydrologic conditions on the site	typical for this time of year?	Yes X No (If no,	explain in Remarks.)				
Are Vegetation, Soil, or Hydro	ogy significantly disturbed?	Are "Normal Circumstances" prese	nt? Yes X No				
Are Vegetation, Soil, or Hydro		(If needed, explain any answers in	Remarks.)				
SUMMARY OF FINDINGS – Attach	· · · · · · · · · · · · · · · · · · ·						
Hydrophytic Vegetation Present?	Yes X No Is the	Sampled Area					
Hydric Soil Present?		a Wetland? Yes X	No				
Wetland Hydrology Present?	Yes X No If yes, o	optional Wetland Site ID: Near flag	CH-2				
Remarks: (Explain alternative procedures he Shallow emergent marsh.	,						
HYDROLOGY							
Wetland Hydrology Indicators:		Secondary Indicators (n	ninimum of two required)				
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks	s (B6)				
Surface Water (A1)	X Water-Stained Leaves (B9)	X Drainage Patterns (B10)				
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C	28)				
X Sediment Deposits (B2)	Oxidized Rhizospheres on Living F		n Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed	, ,				
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	ils (C6) X Geomorphic Position	n (D2)				
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D	·				
Inundation Visible on Aerial Imagery (B7)		Microtopographic R	, ,				
Sparsely Vegetated Concave Surface (B	3)	FAC-Neutral Test (I	D5)				
Field Observations:							
	No X Depth (inches):						
	No X Depth (inches): No X Depth (inches):	Wetland Hydrology Present?	Voc. V. No.				
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	welland nydrology Fresent?	Yes X No				
Describe Recorded Data (stream gauge, mor	nitoring well aerial photos, previous inst						
Describe Recorded Data (Stream gauge, mor	moning wen, aeriai priotos, previous irisp	ections), if available.					
Remarks:							

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. Populus deltoides	10	Yes	FAC	Number of Dominant Species				
2. Prunus serotina	3	Yes	FACU	That Are OBL, FACW, or FAC:3 (A)				
3. 4.				Total Number of Dominant Species Across All Strata: 6 (B)				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)				
7				Prevalence Index worksheet:				
	13	=Total Cover		Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0				
1. Prunus serotina	8	Yes	FACU	FACW species 60 x 2 = 120				
2. Cornus amomum	8	Yes	FACW	FAC species 40 x 3 = 120				
3. Lonicera morrowii	8	Yes	FACU	FACU species 34 x 4 = 136				
4. Acer negundo	5	No	FAC	UPL species0 x 5 =0				
5. Ulmus americana	2	No	FACW	Column Totals: 134 (A) 376 (B)				
6.				Prevalence Index = B/A = 2.81				
7.				Hydrophytic Vegetation Indicators:				
	31	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation				
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%				
1. Phalaris arundinacea	50	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹				
Galium boreale	15	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting				
3. Taraxacum officinale	10	No	FACU	data in Remarks or on a separate sheet)				
4. Acer rubrum	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)				
5. Equisetum arvense		No	FAC	· 				
Solidago canadensis	5	No	FACU	 ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 				
7.		110	TACO	Definitions of Vegetation Strata:				
-				belimitions of vegetation strata.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
10.				Continued to Wand and a to Long the Co. C. D. D.				
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')				Woody vines – All woody vines greater than 3.28 ft in				
1				height.				
2.								
3.				Hydrophytic Vegetation				
4.				Present? Yes X No				
		=Total Cover						
Remarks: (Include photo numbers here or on a separa								
Tremarks. (Include photo numbers here of our a separa	ate sneet.)							

Sampling Point: WET CH-2

SOIL Sampling Point: WET CH-2

Depth	Matrix	the dep		x Featur		tor or coi	nfirm the absence of indicator	S.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-2	10YR 4/1	70	10YR 3/6	30	С	М	Loamy/Clayey			
2-20	10YR 5/1	60	10YR 3/6	40	С	M	Loamy/Clayey			
	·									
¹Type: C=Co	oncentration, D=Deple	tion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL=Pore Li	ning, M=Matrix.		
Hydric Soil I							Indicators for Proble		oils³:	
Histosol	(A1)		Dark Surface (S7)			2 cm Muck (A10) ((LRR K, L, MLR	A 149B)	
	pipedon (A2)		Polyvalue Belo		ce (S8) (I	LRR R,	Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
Black His	` '		MLRA 149B		/I DD D	MIDAA				
	n Sulfide (A4) I Layers (A5)		Thin Dark Surfa							
	Below Dark Surface	(A11)	Loamy Mucky I				Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R)			
	ark Surface (A12)	(/ (/)	Loamy Gleyed			, _ ,	Piedmont Floodplain Soils (F19) (MLRA 149B)			
	podic (A17)		X Depleted Matrix		,		Red Parent Materi	al (F21) (outsid	e MLRA 145)	
(MLR	A 144A, 145, 149B)		Redox Dark Su	ırface (F	6)		Very Shallow Dark	Surface (F22)		
	lucky Mineral (S1)		Depleted Dark		` '		Other (Explain in F	Remarks)		
	leyed Matrix (S4)		Redox Depress		8)		3			
	edox (S5)		Marl (F10) (LR		24) /MI E) A 145\	³ Indicators of hydrophytic vegetation and			
Stripped	Matrix (S6)		Red Parent Ma	iteriai (F.	∠1) (IVIL⊓	KA 145)	wetland hydrology must be present, unless disturbed or problematic.			
Restrictive L	_ayer (if observed):						urness distarbed	2 of problematic.		
Type:	,									
Depth (ir	nches):						Hydric Soil Present?	Yes X	No	
Remarks:										
rtomanto.										



Wetland P2-CH-2- View facing southwest



Wetland P2-CH-2- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

Project/Site: CHPE		City/County: Fort An	n / Washington County	Sampling Date: 05/13/22		
Applicant/Owner: TDI			State: NY	Sampling Point: UPL CH-2		
Investigator(s): C. Scrivner and C. Einstein		Section To	wnship, Range:			
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve	· · · · · · · · · · · · · · · · · · ·	Slope %: 5		
			·			
Subregion (LRR or MLRA): LRR R	Lat: 43.37188	Long:	-73.48958	Datum: WGS 84		
Soil Map Unit Name: Covington silty clay loa	am (CV)		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 Hydro	ologysignificantly disturb	ped? Are "Norm	nal Circumstances" prese	ent? Yes X No		
Are Vegetation, Soil, or Hydro	ologynaturally problema	tic? (If needed	d, explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – Attach	ո site map showing sam	pling point loca	itions, transects, ir	mportant features, etc.		
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled A	rea			
Hydric Soil Present?	Yes No X	within a Wetland?		No X		
Wetland Hydrology Present?	Yes No X	If yes, optional We		<u></u>		
Remarks: (Explain alternative procedures h						
Railroad ROW	ere or irra separate report.)					
Tambaa Ta						
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (r	minimum of two required)		
Primary Indicators (minimum of one is require	red; check all that apply)		Surface Soil Cracks	s (B6)		
Surface Water (A1)	Water-Stained Leaves (B	39)	Drainage Patterns	(B10)		
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	316)		
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C	C1)	Crayfish Burrows (0	C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres o	= : :		_Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iro	on (C4)	Stunted or Stressed	d Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	Geomorphic Position	, ,		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D			
Inundation Visible on Aerial Imagery (B7	/ 	(S)	Microtopographic R	` ,		
Sparsely Vegetated Concave Surface (E	38) —————		FAC-Neutral Test (D5)		
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present?	Yes No _X		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, prev	vious inspections), if	avaliable:			
Remarks:						
Nomano.						

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
 Rhus typhina 	5	Yes	UPL	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3. 4.				Total Number of Dominant Species Across All Strata:6(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Rubus allegheniensis	10	Yes	FACU	FACW species 5 x 2 = 10
2. Lonicera morrowii	10	Yes	FACU	FAC species0 x 3 =0
3.				FACU species 57 x 4 = 228
4.				UPL species 58 x 5 = 290
5.				Column Totals: 120 (A) 528 (B)
6.				Prevalence Index = B/A = 4.40
7.				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-		2 - Dominance Test is >50%
1. Galium verum	25	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
Solidago canadensis	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
Ambrosia artemisiifolia	15	Yes	FACU	data in Remarks or on a separate sheet)
Artemisia vulgaris	10	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Verbascum thapsus	10	No	UPL	
6. Asclepias syriaca	8	No	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Bidens frondosa	5	No	FACW	Definitions of Vegetation Strata:
8. Medicago lupulina	2	No	FACU	Deminions of Vogetation Strata.
9.			TAGO	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.				Harb All borbossous (non-useach) plants recordings
	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:)		_		Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2				Thirdren hadin
3.				Hydrophytic Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			
(

Sampling Point: UPL CH-2

SOIL Sampling Point: UPL CH-2

Depth	Matrix	o tne ae		ment tn k Featur		or or co	nfirm the absence of ind	icators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	arks	
()	(**************************************		()		1711					
1Type: C-Cc	oncentration, D=Deple	ation PM	I-Reduced Matrix M	S-Mack	ed Sand	Grains	² Location: PL=F	Pore Lining M-M	atriv	
Hydric Soil I		tion, ixiv	i–iveduced Matrix, Mi	J-IVIASKI	eu Sanu	Giailis.	Indicators for P			
_			Dark Surface (6	27)				-		
Histosol			Dark Surface (S	,	· (CO) (I	DD D		(A10) (LRR K, L ,		
	ipedon (A2)		Polyvalue Belo		æ (58) (L	KKK,		e Redox (A16) (I		
Black His	` '		MLRA 149B)					Peat or Peat (S		
	n Sulfide (A4)		Thin Dark Surfa	. ,			· — ·	elow Surface (S8		L)
	Layers (A5)		High Chroma S					urface (S9) (LRF		
	Below Dark Surface	(A11)	Loamy Mucky I	Mineral (F1) (LRF	R K, L)		nese Masses (F1		
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F	-2)			oodplain Soils (F		
Mesic Sp	oodic (A17)		Depleted Matrix	(F3)			Red Parent	Material (F21) (c	utside ML	.RA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	rface (F	6)		Very Shallov	w Dark Surface (F22)	
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Expla	ain in Remarks)		
Sandy G	leyed Matrix (S4)		Redox Depress	ions (F8	3)					
	edox (S5)		Marl (F10) (LR				³ Indicators o	of hydrophytic ve	getation an	d
	Matrix (S6)		Red Parent Ma		21) (MLR	A 145)		ydrology must be		
 ··	` '			•	, ,	,		sturbed or proble		
Restrictive L	ayer (if observed):									
Type:	Rock/ba	allast								
•										
Depth (ir	nches):	0					Hydric Soil Present?	Yes	No_	X
Remarks:										



Upland P2-CH-2- View facing south



Upland P2-CH-2- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

restigator(s): C.Scrivner and K. Weiskotten Section, Township, Range: Indrom (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Stop bregion (LRR or MLRR): LRR R Lat: 43,36801 Long: -73,49066 Datum: If Map Unit Name: Claverack loamy fine sand, 0 to 2 percent slopes (CIA) If Map Unit Name: Claverack loamy fine sand, 0 to 2 percent slopes (CIA) If Map Unit Name: Claverack loamy fine sand, 0 to 2 percent slopes (CIA) Percentage of the site typical for this time of year? Yes X No					
Applicant/Owner: TDI	State: NY Sampling Point: Wet P2-C-17				
Investigator(s): C.Scrivner and K. Weiskotten	Section, Township, Range:				
Landform (hillside, terrace, etc.): Depression	-				
,	-				
• · · · · · · · · · · · · · · · · · · ·					
Are climatic / hydrologic conditions on the site typical for this time of	vear? Yes X No (If no explain in Remarks.)				
					
					
					
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area				
	- -				
	- 				
Remarks: (Explain alternative procedures here or in a separate re	port.)				
Shallow emergent marsh dominated by cattail.					
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that appl	y) Surface Soil Cracks (B6)				
X Surface Water (A1) X Water-Stained I	Leaves (B9) Drainage Patterns (B10)				
X High Water Table (A2) Aquatic Fauna ((B13) Moss Trim Lines (B16)				
X Saturation (A3) Marl Deposits (I	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfic	de Odor (C1) Crayfish Burrows (C8)				
Sediment Deposits (B2) Oxidized Rhizos	spheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Re	duced Iron (C4) Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4) Recent Iron Rec	duction in Tilled Soils (C6) X Geomorphic Position (D2)				
Iron Deposits (B5) Thin Muck Surfa	ace (C7) Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7) Other (Explain i	n Remarks) Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes X No Depth	(inches):6				
Water Table Present? Yes X No Depth	(inches):0				
Saturation Present? Yes X No Depth	(inches): 0 Wetland Hydrology Present? Yes X No				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial ph	otos, previous inspections), if available:				
Remarks:					

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1 2				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata:(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species70 x 1 =70
1				FACW species 20 x 2 = 40
2.				FAC species10 x 3 =30
3.				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
5				Column Totals: 100 (A) 140 (B)
6.				Prevalence Index = B/A =1.40
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Typha latifolia	60	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹
2. Phalaris arundinacea	15	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Lythrum salicaria	10	No	OBL	data in Remarks or on a separate sheet)
4. Equisetum arvense	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Solidago gigantea	5	No	FACW	1
6. Solidago rugosa	5	No	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		=		Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet)			
remarks. (include prioto numbers here of our a separa	ale Sileel.)			

Sampling Point: Wet P2-C-17

SOIL Sampling Point: Wet P2-C-17

		o the de				or or co	nfirm the absence of	indicators.)			
Depth	Matrix			x Featur		2	T.	P d .			
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks			
0-4	10YR 3/2	100					Loamy/Clayey				
4-7	2.5Y 3/2	70	7.5YR 4/4	20	С	M	Loamy/Clayey	Prominent redox concentrations			
			7.5YR 3/4	10	<u>C</u>	<u>M</u>		Prominent redox concentrations			
7-16	10YR 3/1	60	5YR 3/4	30	С	M	Loamy/Clayey	Prominent redox concentrations			
			5YR 3/4	10	С	PL		Prominent redox concentrations			
¹ Type: C=Cor	ncentration, D=Deple	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.			
Hydric Soil In		,	,					or Problematic Hydric Soils ³ :			
Histosol (/	A1)		Dark Surface (S7)			2 cm Mu	ıck (A10) (LRR K, L, MLRA 149B)			
Histic Epip	pedon (A2)		Polyvalue Belo	w Surfac	ce (S8) (L	RR R,	Coast P	rairie Redox (A16) (LRR K, L, R)			
Black Hist	tic (A3)		MLRA 149B)			5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)			
	Sulfide (A4)		Thin Dark Surfa					e Below Surface (S8) (LRR K, L)			
	Layers (A5)		High Chroma S					rk Surface (S9) (LRR K, L)			
	Below Dark Surface	(A11)	Loamy Mucky I			R K, L)		nganese Masses (F12) (LRR K, L, R)			
	k Surface (A12)		Loamy Gleyed		-2)			nt Floodplain Soils (F19) (MLRA 149B)			
Mesic Spo	144A, 145, 149B)		Depleted Matrix X Redox Dark Su		6)			ent Material (F21) (outside MLRA 145) allow Dark Surface (F22)			
-	icky Mineral (S1)		Depleted Dark					explain in Remarks)			
	eyed Matrix (S4)		Redox Depress					Apiair in Nomano,			
Sandy Re			Marl (F10) (LR	•	,		³ Indicators of hydrophytic vegetation and				
	Matrix (S6)		Red Parent Ma	terial (F2	21) (MLR	A 145)	wetland hydrology must be present,				
							unless disturbed or problematic.				
Restrictive La	ayer (if observed):										
Type:											
Depth (inc	ches):						Hydric Soil Preser	nt? Yes X No			
Remarks:											



Wetland P2-C-17- View facing north/northeast



Wetland P2-C-17- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

Project/Site: CHPE Package 2	City/County:	Fort Ann / Washington County	Sampling Date: 05/25/22
Applicant/Owner: TDI		State: NY	Sampling Point: Wet P2-A-29
Investigator(s): C.Scrivner and K. Weiskotten	Sec	tion, Township, Range:	
Landform (hillside, terrace, etc.): Depression		e, convex, none): Concave	Slope %: 3
Subregion (LRR or MLRA): LRR R	Lat: 43.36778	Long: -73.49086	Datum: WGS 84
Soil Map Unit Name: Covington silty clay loam (NWI classification:	PEM1
Are climatic / hydrologic conditions on the site typi	cal for this time of year?	es X No (If no, e	explain in Remarks.)
Are Vegetation, Soil, or Hydrology	ysignificantly disturbed? A	re "Normal Circumstances" preser	nt? Yes X No
Are Vegetation , Soil , or Hydrology		needed, explain any answers in I	Remarks.)
SUMMARY OF FINDINGS – Attach site			,
Hydrophytic Vegetation Present? Ye	es X No Is the Sam	unland Area	
, , , ,	es X No Is the Sam within a W		No
•		onal Wetland Site ID: Near flag	
Remarks: (Explain alternative procedures here of		Trouvilla one ib. Itour nag	127720
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (m	inimum of two required)
Primary Indicators (minimum of one is required; of	check all that apply)	Surface Soil Cracks	(B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (E	310)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B1	6)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water T	able (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C	8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots	s (C3) Saturation Visible or	n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed	Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C	C6) X Geomorphic Position	n (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3	3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Re	elief (D4)
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (D	95)
Field Observations:			
Surface Water Present? Yes N	o X Depth (inches):		
Water Table Present? Yes N	o X Depth (inches):		
Saturation Present? Yes X N		Wetland Hydrology Present?	Yes X No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, previous inspection	ons), if available:	
Remarks:			

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1 2				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3. 4.		·		Total Number of Dominant Species Across All Strata: 2 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 5 x 1 = 5
1.				FACW species 85 x 2 = 170
2				FAC species 10 x 3 = 30
3.				FACU species 0 x 4 = 0
4				UPL species0 x 5 =0
5				Column Totals: 100 (A) 205 (B)
6.				Prevalence Index = B/A = 2.05
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		_		X 2 - Dominance Test is >50%
1. Phalaris arundinacea	60	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Phragmites australis	20	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
Equisetum arvense	10	No	FAC	data in Remarks or on a separate sheet)
4. Typha latifolia	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Onoclea sensibilis	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must be
6				present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
				and greater than or equal to 3.20 ft (1 ff) tail.
12	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.		<u> </u>		Hydrophytic Vegetation
4.				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			

Sampling Point: Wet P2-A-29

SOIL Sampling Point: Wet P2-A-29

Profile Descri Depth	iption: (Describe t Matrix	o tne dep		ment the x Feature		tor or co	nfirm the absence of	indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 3/2	100					Loamy/Clayey	
4-7	2.5Y 3/2	70	7.5YR 4/4	20	С	M	Loamy/Clayey	Prominent redox concentrations
			7.5YR 3/4	10	С	М		Prominent redox concentrations
7-16	10YR 3/1	60	5YR 3/4	30	С	M	Loamy/Clayey	Prominent redox concentrations
7 10	10111 0/1						<u> </u>	
			5YR 3/4	10	<u>C</u>	PL		Prominent redox concentrations
¹ Type: C=Cor	centration. D=Deple	etion. RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil In		o o ,		<u> </u>	<u> </u>	0.0		or Problematic Hydric Soils ³ :
Histosol (A	A1)		Dark Surface (S7)			2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)
	pedon (A2)		Polyvalue Belo		ce (S8) (I	RR R,		rairie Redox (A16) (LRR K, L, R)
Black Hist	, ,		MLRA 149B	,				ucky Peat or Peat (S3) (LRR K, L, R)
	Sulfide (A4)		Thin Dark Surf					ue Below Surface (S8) (LRR K, L)
	Layers (A5)	(//11)	High Chroma S					rk Surface (S9) (LRR K, L)
	Below Dark Surface k Surface (A12)	(A11)	Loamy Mucky Loamy Gleyed			(K, L)		nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B
Mesic Spo			Depleted Matri		۷)			rent Material (F21) (outside MLRA 14
	144A, 145, 149B)		X Redox Dark Su	` '	6)			allow Dark Surface (F22)
•	cky Mineral (S1)		Depleted Dark					Explain in Remarks)
	eyed Matrix (S4)		Redox Depress	sions (F8	3)			•
Sandy Re	dox (S5)		Marl (F10) (LR	R K, L)			³ Indicato	ors of hydrophytic vegetation and
Stripped N	//atrix (S6)		Red Parent Ma	aterial (F2	21) (MLF	RA 145)	wetlan	nd hydrology must be present,
							unless	s disturbed or problematic.
	yer (if observed):							
Type:								
Depth (inc	ches):		<u> </u>				Hydric Soil Preser	nt? Yes X No
Remarks:								



Wetland P2-A-29-View facing southwest



Wetland P2-A-29- Soils

Segment 3 - Package 2

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

Project/Site: CHPE Package 2	City/County: Fort Ann / Washington County Sampling Date: 05/25/22					
Applicant/Owner: TDI	State: NY Sampling Point: UPL					
Investigator(s): C. Scrivner and K. Weiskotten	Section, Township, Range:					
Landform (hillside, terrace, etc.): Berm	Local relief (concave, convex, none): None Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 43.36774	Long: -73.49102 Datum: WGS 84					
Soil Map Unit Name: Covington silty clay loam (CV)	NWI classification: NA					
Are climatic / hydrologic conditions on the site typical for this time of	of year? Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrologysignifican	ntly disturbed? Are "Normal Circumstances" present? Yes X No					
Are Vegetation, Soil, or Hydrologynaturally						
	ing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area					
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X	-					
Wetland Hydrology Present? Yes No X	-					
Remarks: (Explain alternative procedures here or in a separate re	<u> </u>					
Successional old field on a berm serving as the upland data point						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that app						
Surface Water (A1) Water-Stained	· · · · · · · · · · · · · · · · · · ·					
High Water Table (A2) Aquatic Fauna						
Saturation (A3) Marl Deposits (
Water Marks (B1) Hydrogen Sulfi						
	spheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
	educed Iron (C4) Stunted or Stressed Plants (D1)					
	duction in Tilled Soils (C6) Geomorphic Position (D2)					
Iron Deposits (B5) Thin Muck Surf						
Inundation Visible on Aerial Imagery (B7) Other (Explain						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)					
Field Observations:	<u></u>					
	(inches):					
	(inches):					
	(inches): Wetland Hydrology Present? Yes No X					
(includes capillary fringe)	· / 					
Describe Recorded Data (stream gauge, monitoring well, aerial pl	notos, previous inspections), if available:					
Remarks:						

VEGETATION – Use scientific names of plants. UPL Sampling Point: Absolute Dominant Indicator Tree Stratum (Plot size: ______) % Cover Species? 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:	3	(B)	
-				opeoles / toross / till otrata.		_(D)	
6.				Percent of Dominant Species That Are OBL, FACW, or FAC:	33.3%	(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 35	x 3 = 105		
3.		_		FACU species 30	x 4 = 120		
4.				UPL species 35	x 5 = 175		
5.				Column Totals: 100	(A) 400	(B)	
6.				Prevalence Index = B/A :	= 4.00		
7.				Hydrophytic Vegetation Indica	itors:		
		=Total Cover		1 - Rapid Test for Hydrophy	tic Vegetation		
Herb Stratum (Plot size:5')		_		2 - Dominance Test is >50%	6		
1. Artemisia vulgaris	30	Yes	UPL	3 - Prevalence Index is ≤3.0)1		
2. Solidago canadensis	25	Yes	FACU	4 - Morphological Adaptation		porting	
3. Solidago rugosa	25	Yes	FAC	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) Indicators of hydric soil and wetland hydrology must b			
4. Equisetum arvense	10	No	FAC				
5. Asclepias syriaca	5	No	UPL				
6. Galium mollugo	5	No	FACU	present, unless disturbed or prol			
7				Definitions of Vegetation Strat	ta:		
8				Tree – Woody plants 3 in. (7.6 c	m) or more in di	iameter	
9				at breast height (DBH), regardle			
10				Sapling/shrub – Woody plants	less than 3 in. D	вн	
11				and greater than or equal to 3.28			
12		_		Herb – All herbaceous (non-woo	ody) plants, rega	ardless	
<u>-</u>	100	_=Total Cover		of size, and woody plants less th			
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines	greater than 3.2	28 ft in	
1				height.			
2		_		Harland and a			
3		_		Hydrophytic Vegetation			
4		_		Present? Yes	No X		
-		_=Total Cover					
Remarks: (Include photo numbers here or on a separat	e sheet.)						

SOIL Sampling Point: UPL

Depth	ription: (Describe t Matrix	to the dep		nent the Featur		or or co	nfirm the absence of i	ndicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	narks	
0-16	10YR 3/4	100					Loamy/Clayey			
¹ Type: C=Co	ncentration, D=Depl	etion, RM	=Reduced Matrix, MS	=Mask	ed Sand	Grains.	² Location: PL	_=Pore Lining, M=N	latrix.	
Hydric Soil I	ndicators:							r Problematic Hyd		
Histosol	(A1)		Dark Surface (S	7)			2 cm Mud	ck (A10) (LRR K, L	, MLRA 1491	B)
Histic Ep	ipedon (A2)		Polyvalue Below	Surfac	ce (S8) (L	RR R,		airie Redox (A16) (
Black His	, ,		MLRA 149B)					cky Peat or Peat (S		
	n Sulfide (A4)		Thin Dark Surface					Below Surface (S		.)
	Layers (A5)	(0.4.4)	High Chroma Sa					Surface (S9) (LRI		\
	Below Dark Surface	e (A11)	Loamy Mucky M			(K, L)		ganese Masses (F		
	rk Surface (A12) oodic (A17)		Loamy Gleyed N Depleted Matrix		-2)			t Floodplain Soils (f ent Material (F21) (c		
	A 144A, 145, 149B)		Redox Dark Sur		6)			llow Dark Surface		(A 143)
•	ucky Mineral (S1)		Depleted Dark S					kplain in Remarks)	(1 22)	
	leyed Matrix (S4)		Redox Depressi		` '			tpiair iii rtomanto)		
	edox (S5)		Marl (F10) (LRR	,	,		³ Indicator	s of hydrophytic ve	getation and	
Stripped	Matrix (S6)		Red Parent Mate	erial (F2	21) (MLR	A 145)	wetland	d hydrology must b	e present,	
							unless	disturbed or proble	ematic.	
Restrictive L	ayer (if observed):									
Type:										
Depth (in	nches):						Hydric Soil Presen	t? Yes	No _	X
Remarks:	<u> </u>									



Upland P2-C-17 & P2-A-27- View facing southwest



Upland P2-C-17 & P2-A-27- 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: 11/17/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-LL-Up
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Toeslopes Local	relief (concave, convex, none): Concave Slope %: 5
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,22',03.36"N	Long: 73°,29',25.99"W Datum:
Soil Map Unit Name: Covington Silty 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 leatures, etc.
Hydrophytic Vegetation Present? Yes No _X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X_
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Successional shrubland	
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	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres of	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
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)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
	·
Remarks:	

	Absolute	Dominant	Indicator				
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:			
				Number of Dominant Species That Are OBL, FACW, or FAC: 2	! (A)		
				Total Number of Dominant			
				Species Across All Strata: 6	(B)		
				Percent of Dominant Species			
				That Are OBL, FACW, or FAC: 33.3	3% (A/E		
				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
apling/Shrub Stratum (Plot size: 15')			OBL species x 1 =			
Rhus typhina	15	Yes	UPL	FACW species x 2 =			
Cornus racemosa	15	Yes	FAC	FAC species x 3 =			
Lonicera tatarica	10	Yes	FACU	FACU species x 4 =			
				UPL species x 5 =			
				Column Totals: (A)	(
5. 7.				Prevalence Index = B/A =			
				Hydrophytic Vegetation Indicators:			
	40 =Total Cover			1 - Rapid Test for Hydrophytic Vegetation			
erb Stratum (Plot size:5')				2 - Dominance Test is >50%			
Solidago canadensis	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹			
Setaria faberi	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provi			
Verbascum thapsus	5	No	UPL	data in Remarks or on a separate	sheet)		
				Problematic Hydrophytic Vegetation ¹	(Explain)		
				¹ Indicators of hydric soil and wetland hydr	rology must		
		be present, unless disturbed or problemati					
				Definitions of Vegetation Strata:			
		<u> </u>		Tree – Woody plants 3 in. (7.6 cm) or more in			
				diameter at breast height (DBH), regardless of h			
)				Sapling/shrub – Woody plants less than			
1				and greater than or equal to 3.28 ft (1 m)	tall.		
2.	-			Herb – All herbaceous (non-woody) plant			
	45	=Total Cover		of size, and woody plants less than 3.28 f	t tall.		
oody Vine Stratum (Plot size: 15')			Woody vines – All woody vines greater to	han 3.28 ft		
Vitis riparia	5	Yes	FAC	height.			
				Hydrophytic			
				Vegetation			
				Present? Yes No X	<u> </u>		
	5	=Total Cover					

SOIL Sampling Point: GR-LL-Up

Depth	cription: (Describe to Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	ks
0-6	7.5YR 3/3	100					Loamy/Clayey		
6-12	7.5YR 5/1	100					Loamy/Clayey		
	·								
									
¹ Type: C=Ce	oncentration, D=Deple	etion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=Pore	Lining, M=Ma	trix.
Hydric Soil	Indicators:						Indicators for Prob	-	
Histosol			Polyvalue Belo		ce (S8) (LRR R,	2 cm Muck (A1		
	pipedon (A2)		MLRA 149B	•	// DD D	MIDA	Coast Prairie R		
	stic (A3)		Thin Dark Surf High Chroma S						
	en Sulfide (A4) d Layers (A5)		Loamy Mucky				Polyvalue Below Thin Dark Surfa		
	d Below Dark Surface	(A11)	Loamy Gleyed			ι κ ικ, ∟)) (LRR K, L, R)
	ark Surface (A12)	(/ (1)	Depleted Matri)				9) (MLRA 149B)
	Mucky Mineral (S1)		Redox Dark Su		6)				14A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark				Red Parent Ma		,
Sandy R	Redox (S5)		Redox Depres	sions (F	3)		Very Shallow D	ark Surface (F	22)
Stripped	l Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	n Remarks)	
Dark Su	rface (S7)								
³ Indicators o	f hydrophytic vegetati	on and w	otland bydrology mi	ict ho nr	ocont ur	aloce diet	urhod or problematic		
	Layer (if observed):	on and w	retiand hydrology mi	ust be pr	esent, ur	iless dist	urbed or problematic.		
Type:	, (cc,.								
Depth (ii	nches):						Hydric Soil Present?	Yes	No_X_
Remarks:									



Upland G-R-LL- View facing Southwest



Upland G-R-LL- View facing Southwest

Segment 3 - Package 2

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Applicant/Owner: CHPE State: NY Sampling Point: GR-LL-Wet Investigator(s): KW, KS Section, Township, Range: Fort Edward Slope %: 0 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,22',03.36"N Long: 73°,29',25.99"W Datum: Soil Map Unit Name: Covington Silty Loam NWI classification: 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 Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
Landform (hillside, terrace, etc.): Toeslopes Local relief (concave, convex, none): Concave Slope %: 0 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,22',03.36"N Long: 73°,29',25.99"W Datum: Soil Map Unit Name: Covington Silty Loam NWI classification: PSS/PEM Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Landform (hillside, terrace, etc.): Toeslopes Local relief (concave, convex, none): Concave Slope %: 0 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,22',03.36"N Long: 73°,29',25.99"W Datum: Soil Map Unit Name: Covington Silty Loam NWI classification: PSS/PEM Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,22',03.36"N Long: 73°,29',25.99"W Datum: Soil Map Unit Name: Covington Silty Loam NWI classification: PSS/PEM Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Soil Map Unit Name: Covington Silty Loam Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Are vegetation, Sur, or regulations, significantly disturbed? Are normal circumstances present? Fes _X _ No
Are Vegetation, Soil, or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No Is the Sampled Area
Hydric Soil Present? Yes X No within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)
Shrub swamp/emergent marsh
L HYDROLOGY
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Notes (A1) Surface Soil Cracks (B6)
Surface Water (A1) X Water-Stained Leaves (B9) Drainage Patterns (B10) Aquatic Found (B13) Maga Trim Lines (B16)
High Water Table (A2) Aquatic Fauna (B13) Most Trim Lines (B16) Most Trim Lines (B16)
Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)

Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) This Muck Surface (C7) Shallow Assistant (D2)
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Migrating graphic Relief (D4)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No X Depth (inches):
Saturation Present? Yes No _X Depth (inches): Wetland Hydrology Present? Yes _X No (includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Describe Necorded Data (Stream gauge, monitoring well, dental priotos, previous inspections), il available.
Remarks:

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
. Acer rubrum	5	Yes	<u>FAC</u>	Number of Dominant Species
. Fraxinus pennsylvanica	5	Yes	FACW	That Are OBL, FACW, or FAC: 9 (A)
. Ulmus americana	5	Yes	FACW	Total Number of Dominant
. Acer negundo	5	Yes	FAC	Species Across All Strata: 10 (B)
				Percent of Dominant Species
i				That Are OBL, FACW, or FAC: 90.0% (A/B)
·				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:)				OBL species x 1 =
. Rhus typhina	15	Yes	UPL	FACW species x 2 =
. Cornus racemosa	10	Yes	FAC	FAC species x 3 =
. Lonicera tatarica	5	No	FACU	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')				X 2 - Dominance Test is >50%
 Lythrum salicaria	10	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
Phalaris arundinacea	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supportin
. Phragmites australis	10	Yes	FACW	data in Remarks or on a separate sheet)
. Eutrochium maculatum	10	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
				
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of 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:
	45	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
				height.
				Hydrophytic Vegetation
, <u> </u>				Present? Yes X No
		=Total Cover		

SOIL Sampling Point: GR-LL-Wet

		to the de				itor or c	onfirm the absence o	f indicators.)
Depth	Matrix	0/		x Featur		. 2	- .	Б
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-8	7.5YR 4/2	100						
8-14	10YR 5/2	97	10YR 5/6	3	С	М	Mucky Loam/Clay	Prominent redox concentrations
	_							
	_							
							_	
1 _{Type:} C=0	Concentration D-Dani	lotion DA	4-Daduaad Matrix N		Lead Cone		2l costion: F	N = Days Lining M=Matrix
	Concentration, D=Depl	etion, Riv	ri=Reduced Matrix, N	/IS=IVIAS	ked Sand	g Grains.		L=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :
Histoso			Polyvalue Belo	w Surfa	ce (S8) (I RR R		uck (A10) (LRR K, L, MLRA 149B)
	Epipedon (A2)		MLRA 149B		CC (OO) (I	LIXIX IX,		rairie Redox (A16) (LRR K, L, R)
	listic (A3)		Thin Dark Surf	•	(LRR R	, MLRA		ucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S				· —	ue Below Surface (S8) (LRR K, L)
	ed Layers (A5)		Loamy Mucky					rk Surface (S9) (LRR K, L)
	ed Below Dark Surface	e (A11)	Loamy Gleyed			•		nganese Masses (F12) (LRR K, L, R)
Thick D	Oark Surface (A12)		X Depleted Matri	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
Sandy	Mucky Mineral (S1)		Redox Dark Su	ırface (F	- 6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
Sandy	Gleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	rent Material (F21)
Sandy	Redox (S5)		Redox Depress		8)			allow Dark Surface (F22)
	d Matrix (S6)		Marl (F10) (LR	RK, L)			Other (E	explain in Remarks)
Dark S	urface (S7)							
3								
	of hydrophytic vegetat		etland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.	
Type:	Layer (if observed):							
	Constant Av						Health Oall Days	
	(inches):						Hydric Soil Prese	nt? Yes X No
Remarks:							004 : 1 1 4 11 11 11 11	
	orm is revised from No , 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,
V 6131011 7.0	, 2015 Errata. (http://w	/ww.iiics.	usua.gov/internet/1	JL_DO(OWILINI	0/11/03 14	-2p2_031233.d0cx)	



Wetland G-R-LL- View facing Southeast



Wetland G-R-LL- 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/County: Fort Ann / Washington County Sampling Date: 05/25/22
Applicant/Owner: TDI	State: NY Sampling Point: Wet P2-D-
Investigator(s): C.Scrivner and K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression	Local relief (concave, convex, none): Concave Slope %: 3
	Lat: 43.36766 Long: -73.49303 Datum: WGS 84
Soil Map Unit Name: Covington silty clay loam (Cv)	
	
Are climatic / hydrologic conditions on the site typical	
Are Vegetation, Soil, or Hydrology	
Are Vegetation, Soil, or Hydrology _	naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site n	nap showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	X No Is the Sampled Area
Hydric Soil Present? Yes	
Wetland Hydrology Present? Yes	
Remarks: (Explain alternative procedures here or in Shallow emergent marsh.	a separate report.)
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; che	· · · · · · · · · · · · · · · · · · ·
	Vater-Stained Leaves (B9) X Drainage Patterns (B10)
<u> </u>	equatic Fauna (B13) Moss Trim Lines (B16)
_	Marl Deposits (B15) Dry-Season Water Table (C2)
	lydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
	Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
	Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)
	Recent Iron Reduction in Tilled Soils (C6) X Geomorphic Position (D2)
<u> </u>	hin Muck Surface (C7) Shallow Aquitard (D3)
	Other (Explain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	A PAO Nedital Test (Bo)
	X Depth (inches):
Water Table Present? Yes No Saturation Present? Yes No	X Depth (inches): Wetland Hydrology Present? Yes X No
(includes capillary fringe)	Testand Trydrology (Testan. 165 X No
	well, aerial photos, previous inspections), if available:
Describe Necolded Data (stream gauge, monitoring	well, actial priolos, previous inspections), il available.
Remarks:	
Nemans.	

Total Number of Dominant Species Across All Strata: 1 (6)	Number of Dominant Species 1 (A) Total Number of Dominant Species 1 (B) Species Across All Strata: 1 (B) Species Across All Strata: 1 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL, Species 6	Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Total Number of Dominant Species 1	Total Number of Dominant Species Across All Strata:					
Percent of Dominant Species That Are OBL, FAC No, or FAC: 100.0% (it is a sping/Shrub Stratum (Plot size: 15') Providence Index worksheet:	Percent of Dominant Species That Are OBL, FACV, or FAC: 100.0% (A/B)	1				
Sapling/Shrub Stratum (Plot size:15')	Total Cover Total Cover Total Cover OBL species 6					·
Sapling/Shrub Stratum (Plot size: 15') OBL species 6	Sapling/Shrub Stratum (Plot size: 15')	7				Prevalence Index worksheet:
1.	FACW species 92 x 2 = 184			=Total Cover		Total % Cover of: Multiply by:
2.	FAC species 2	Sapling/Shrub Stratum (Plot size:)				OBL species6 x 1 =6
FACU species 0	FACU species 0	1				FACW species 92 x 2 = 184
4.	UPL species 0 x 5 = 0	2				FAC species 2 x 3 = 6
Column Totals: 100 (A) 196	Column Totals: 100 (A) 196 (B) Prevalence Index = B/A = 1.96 Prevalence Index = B/A = 1.96 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% X 3 - Prevalence Index is ≤3.0¹ 4 No OBL 4 No OBL 4 No OBL 5 Equisetum arvense 2 No FACW 7. Equisetum arvense 2 No FAC 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. Woody Vine Stratum (Plot size: 30') 1. Woody Vine Stratum (Plot size: 30') 1. Equisation (Plot size: 30') 1. Expiritor (Provide supporting data in Remarks or on a separate sheet) 1. Facili (Explain) 2 No OBL 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 2 Definitions of Vegetation 1 (Explain) 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 3 Equisation (Provide supporting data in Remarks or on a separate sheet) 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Hydrophytic vegetation (Explain) 1. Equisation (Explain) 1. Equisation (Explain) 2. Equisation (Explain) 3 Equi	3				FACU species 0 x 4 = 0
Prevalence Index = B/A = 1.96	Prevalence Index = BIA = 1.96	4	-			UPL species0 x 5 =0
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation	Herb Stratum (Plot size:	5	(Column Totals: 100 (A) 196 (B)
### Stratum (Plot size:5') 1. **Phalaris arundinacea** 2. **Lythrum salicaria** 3. **Typha latifolia** 4. **No** Onoclea sensibilis** 5. **Equisetum arvense** 6. ** 7. ** 8. ** 9. **Tree - Woody plants 3 in. (7.6 cm) or more in diarn at breast height (DBH), regardless of height.** 10. **Sapling/shrub - Woody vines greater than 3.28 ft fall.** Woody Vine Stratum (Plot size:30') 1. **Woody Vine Stratum** 1. **Rapid Test for Hydrophytic Vegetation 1	### Stratum (Plot size:5') 1. **Phalaris arundinacea** 90	6.				Prevalence Index = B/A = 1.96
Herb Stratum (Plot size: 5') 1. Phalaris arundinacea 90 Yes FACW 2. Lythrum salicaria 4 No OBL 4- Morphological Adaptations¹ (Provide suppodata in Remarks or on a separate sheet) 3. Typha latifolia 2 No FACW 4- Morphological Adaptations¹ (Provide suppodata in Remarks or on a separate sheet) 4. Onoclea sensibilis 2 No FACW 5- Equisetum arvense 2 No FAC 1- Indicators of hydric soil and wetland hydrology mupresent, unless disturbed or problematic. 7- Definitions of Vegetation Strata: 8- Tree − Woody plants 3 in. (7.6 cm) or more in dianat 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, regardled of size, and woody vines greater than 3.28 ft height. Woody Vine Stratum (Plot size: 30') 1. Woody Vine Stratum (Plot size: 30') 1. Hydrophytic Vegetation Present? Yes X No	Herb Stratum (Plot size: 5') 1. Phalaris arundinacea 90 Yes FACW 2. Lythrum salicaria 4 No OBL 3. Typha latifolia 2 No OBL 4. Onoclea sensibilis 2 No FACW 5. Equisetum arvense 2 No FAC 6.	7.				Hydrophytic Vegetation Indicators:
1. Phalaris arundinacea 90 Yes FACW 2 3 - Prevalence Index is ≤3.0¹ 2. Lythrum salicaria 4 No OBL data in Remarks or on a separate sheet) 3. Typha latifolia 2 No OBL data in Remarks or on a separate sheet) 4. Onoclea sensibilis 2 No FACW Problematic Hydrophytic Vegetation¹ (Explain) 5. Equisetum arvense 2 No FAC 1 Indicators of hydric soil and wetland hydrology mupresent, unless disturbed or problematic. 7. Definitions of Vegetation Strata: 8.	1. Phalaris arundinacea 90 Yes FACW 2. Lythrum salicaria 4 No OBL 3. Typha latifolia 2 No OBL 4. Onoclea sensibilis 2 No FACW 5. Equisetum arvense 2 No FACW 6.			=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
1. Phalaris arundinacea 90 Yes FACW 2 3 - Prevalence Index is ≤3.0¹ 2. Lythrum salicaria 4 No OBL data in Remarks or on a separate sheet) 3. Typha latifolia 2 No OBL data in Remarks or on a separate sheet) 4. Onoclea sensibilis 2 No FACW Problematic Hydrophytic Vegetation¹ (Explain) 5. Equisetum arvense 2 No FAC 1 Indicators of hydric soil and wetland hydrology mupresent, unless disturbed or problematic. 7. Definitions of Vegetation Strata: 8.	1. Phalaris arundinacea 90 Yes FACW 2. Lythrum salicaria 4 No OBL 3. Typha latifolia 2 No OBL 4. Onoclea sensibilis 2 No FACW 5. Equisetum arvense 2 No FACW 6.	Herb Stratum (Plot size: 5')		-		X 2 - Dominance Test is >50%
2. Lythrum salicaria 3. Typha latifolia 4. No OBL 4. Onoclea sensibilis 5. Equisetum arvense 6. 2 No FACW 6. 3. Typha latifolia 7.	2. Lythrum salicaria 3. Typha latifolia 2. No OBL 4. Onoclea sensibilis 2. No FACW 5. Equisetum arvense 2. No FAC 6.		90	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
3. Typha latifolia 2 No OBL 4. Onoclea sensibilis 2 No FACW 5. Equisetum arvense 2 No FAC 6.	3. Typha latifolia 2 No OBL 4. Onoclea sensibilis 2 No FACW Problematic Hydrophytic Vegetation ¹ (Explain) 5. Equisetum arvense 2 No FAC 6.		4			
4. Onoclea sensibilis 2 No FACW Problematic Hydrophytic Vegetation¹ (Explain) 5. Equisetum arvense 2 No FAC 1 Indicators of hydric soil and wetland hydrology mupresent, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diam 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. Woody Vine Stratum (Plot size: 30') Hydrophytic Vegetation Present? Yes X No	4. Onoclea sensibilits 2 No FACW Problematic Hydrophytic Vegetation (Explain) 5. Equisetum arvense 2 No FAC 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7. 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. 12. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30') 1. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No =Total Cover		2			
6. present, unless disturbed or problematic. 7. Definitions of Vegetation Strata: 8. Tree – Woody plants 3 in. (7.6 cm) or more in diam 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, regardled 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 height. Hydrophytic Vegetation Present? Yes X No	Indicators or lydre soil and wetland hydrology must be present, unless disturbed or problematic.					Problematic Hydrophytic Vegetation ¹ (Explain)
6. present, unless disturbed or problematic. 7. Definitions of Vegetation Strata: 8. Tree – Woody plants 3 in. (7.6 cm) or more in diam 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, regardled 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 height. Hydrophytic Vegetation Present? Yes X No	Indicators or lydre soil and wetland hydrology must be present, unless disturbed or problematic.	5. Equisetum arvense	2	No	FAC	
8.	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. Woody vines – All 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. 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.	7.				Definitions of Vegetation Strata:
Sapling/shrub – Woody plants less than 3 in. DBF and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardly 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 height. Hydrophytic Vegetation Present? Yes X No Present? Yes X No	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.	·				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
Herb – All herbaceous (non-woody) plants, regardly 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 height. Hydrophytic Vegetation Present? Yes X No	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30') Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No					
Woody Vine Stratum (Plot size: 30') 1.	Moody Vine Stratum (Plot size:30')					and greater than or equal to 3.28 ft (1 m) fall.
Woody Vine Stratum (Plot size: 30') 1.	Woody Vine Stratum	12	100	-Total Cover		Herb – All herbaceous (non-woody) plants, regardless
1. Woody Vines Fall woody Vines greater than 3.28 fine height. 2. Hydrophytic Vegetation Present? Yes X No	1	Woody Vine Stratum (Plot size: 30')	100	= Total Cover		
2	2					1
3. Hydrophytic Vegetation Present? Yes X No	3. Hydrophytic Vegetation Present? Yes X No					neight.
4 Vegetation Present? Yes X No	4					Hydrophytic
	=Total Cover			<u> </u>		Vegetation
=Total Cover	l			=Total Cover		
	Remarks. (Include proto numbers here or on a separate sneet.)	Pomorke: (Include photo numbers here or on a separ	ata shoot)			

Sampling Point: Wet P2-D-4

SOIL Sampling Point: Wet P2-D-4

Depth	Matrix	, uie ae	•	ment the x Featur		OF CO	nfirm the absence of i	nuicaiOrs.)			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rer	marks		
0-3	10YR 3/2	100					Loamy/Clayey				
3-16	10YR 3/2	90	10YR 4/6	10	С	M	Loamy/Clayey	Prominent redo	ox concentrations		
¹ Type: C=Co	oncentration, D=Deple	tion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL	.=Pore Lining, M=I	Matrix.		
Hydric Soil I			•					r Problematic Hy			
Histosol	(A1)		Dark Surface (S7)			2 cm Muc	ck (A10) (LRR K, I	L, MLRA 149B)		
Histic Ep	ipedon (A2)		Polyvalue Belo		e (S8) (I	RR R,	Coast Pra	airie Redox (A16)	(LRR K, L, R)		
Black His	` '		MLRA 149B	,				•	S3) (LRR K, L, R)		
· ·	n Sulfide (A4)		Thin Dark Surf					Below Surface (S			
	Layers (A5)	(044)	High Chroma S					Surface (S9) (LR			
	Below Dark Surface Irk Surface (A12)	(ATT)	Loamy Mucky Loamy Gleyed			K K, L)		-	F12) (LRR K, L, R) (F19) (MLRA 149B		
	podic (A17)		Depleted Matri	•	۷)				outside MLRA 149D		
	A 144A, 145, 149B)		X Redox Dark Su		6)			llow Dark Surface			
•	lucky Mineral (S1)		Depleted Dark					plain in Remarks)	, ,		
	leyed Matrix (S4)		Redox Depress								
Sandy R	edox (S5)		Marl (F10) (LR	R K, L)			³ Indicator	s of hydrophytic ve	egetation and		
Stripped	Matrix (S6)		Red Parent Ma	terial (F2	21) (MLF	RA 145)	wetland hydrology must be present,				
							unless	disturbed or probl	ematic.		
	_ayer (if observed):										
Type:											
Depth (ir	nches):						Hydric Soil Present	t? Yes	X No		
Remarks:											



Wetland P2-D-4- View facing north



Wetland P2-D-4- 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/County: Fort Ann / Washington County Sampling Date: 05/25/22
Applicant/Owner: TDI		State: NY Sampling Point: UPL P2-D-
Investigator(s): C. Scrivner and K. Weiskotte	-	Section, Township, Range:
Landform (hillside, terrace, etc.): Flat	l ocal re	relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 43.36769	Long: -73.49315 Datum: WGS 84
Soil Map Unit Name: Covington silty clay loa		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 Hydro	ology significantly disturb	ped? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydro	<u> </u>	
<u> </u>		pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Area
Hydric Soil Present?	Yes No X 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 he		II you, optional violand one is:
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B	39) Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C	C1) Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres or	on Living Roots (C3)Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	
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	· 	
Sparsely Vegetated Concave Surface (E	\$8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches): No X Depth (inches):	
	No X Depth (inches):	Wetland Hydrology Present? Yes No _X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, prev	/ious inspections), if available:
Remarks:		
Nomans.		

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:3(B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7		<u> </u>		Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Lonicera morrowii	5	Yes	FACU	FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3				FACU species 60 x 4 = 240
4				UPL species 25 x 5 = 125
5.				Column Totals: 85 (A) 365 (B)
6.				Prevalence Index = B/A = 4.29
7.				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-		2 - Dominance Test is >50%
Lotus corniculatus	35	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Taraxacum officinale	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Artemisia vulgaris	15	No	UPL	data in Remarks or on a separate sheet)
4. Asclepias syriaca	5	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Vicia cracca	5	No	UPL	<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 and greater than or equal to 3.28 ft (1 m) tall.
				and greater than or equal to 3.20 ft (1 fil) tail.
12.	80	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
				g.m
2		· ——		Hydrophytic
4.		·		Vegetation Present? Yes No X
T		=Total Cover		riesent: resNo
		= Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sneet.)			

Sampling Point: UPL P2-D-4

SOIL Sampling Point: UPL P2-D-4

Profile Desci Depth	ription: (Describe t Matrix	o the de		iment the ox Feature		tor or co	nfirm the absence of inc	dicators.)		
(inches)	Color (moist)	%	Color (moist)	% ************************************	Type ¹	Loc ²	Texture	Rema	ırks	
0-8	7.5YR 3/2	100	, , ,				Sandy			
9.16			5VD 4/6					Distinct rodey o	oncontratio	200
8-16	7.5YR 3/4	97	5YR 4/6	3	<u>C</u>	<u>M</u>	Sandy	Distinct redox c	oncentration	ns
¹ Type: C=Co	ncentration, D=Deple	etion, RM	=Reduced Matrix, M	IS=Mask	ed Sand	Grains.	² Location: PL=	Pore Lining, M=Ma	atrix.	
Hydric Soil In		·						Problematic Hydr		
Histosol ((A1)		Dark Surface ((S7)			2 cm Muck	(A10) (LRR K, L,	MLRA 149	B)
Histic Epi	pedon (A2)		Polyvalue Belo	w Surfac	ce (S8) (I	RR R,	Coast Prair	ie Redox (A16) (L	RR K, L, R))
Black His	` '		MLRA 149B	,				y Peat or Peat (S3		
	n Sulfide (A4)		Thin Dark Surf					Below Surface (S8)		.)
	Layers (A5)	(0.4.4)	High Chroma S					Surface (S9) (LRR		\
	Below Dark Surface	(A11)	Loamy Mucky			R K, L)		inese Masses (F12		
	rk Surface (A12) odic (A17)		Loamy Gleyed Depleted Matri	•	-2)			loodplain Soils (F Material (F21) (o	, ,	•
	A 144A, 145, 149B)		Redox Dark Su	, ,	6)			w Dark Surface (F		A 143)
•	ucky Mineral (S1)		Depleted Dark					ain in Remarks)	22)	
	eyed Matrix (S4)		Redox Depres					a toa		
Sandy Re			Marl (F10) (LR	,	,		³ Indicators	of hydrophytic veg	etation and	
	Matrix (S6)		Red Parent Ma		21) (MLF	RA 145)	wetland hydrology must be present,			
							unless di	sturbed or problen	natic.	
Restrictive L	ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Present?	Yes	No_	X
Remarks:							1			



Upland P2-D-4-View facing north



Upland P2-D-4-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/County: Fort Ann / Washington County Sampling Date: 05/25/22
Applicant/Owner: TDI	State: NY Sampling Point: Wet P2-B
Investigator(s): C. Scrivner and K. Weiskotten	Section, Township, Range:
	elief (concave, convex, none): Concave Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 43.36733	Long: -73.49141 Datum: WGS 84
Soil Map Unit Name: Covington silty clay loam (CV)	NWI classification: NA
Are Viggetation Soil or Hydrology and Jacob Are Viggetation of Soil or Hydrology and Jacob Are Viggetation of Hydrology and Jacob Area Viggetation of Hydrology and Hydrol	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturbed	
Are Vegetation, Soil, or Hydrologynaturally problemati	ic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing samp	oling 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-B-1
Remarks: (Explain alternative procedures here or in a separate report.) Shallow emergent marsh.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
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 (C	C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres or	n Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron	n (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in	Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks	s) 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 No X Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previ	ious inspections), if available:
<u> </u>	
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.		<u> </u>		Total Number of Dominant Species Across All Strata:1 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 = 20
1				FACW species x 2 =140
2				FAC species 10 x 3 = 30
3.				FACU species 0 x 4 = 0
4.				UPL species0 x 5 =0
5				Column Totals: 100 (A) 190 (B)
6.				Prevalence Index = B/A = 1.90
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-		X 2 - Dominance Test is >50%
1. Phalaris arundinacea	60	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Lythrum salicaria	10	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Typha latifolia	10	No	OBL	data in Remarks or on a separate sheet)
4. Equisetum arvense	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Onoclea sensibilis	5	No	FACW	
6. Phragmites australis	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
12	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')	100	_ Total Cover		
				Woody vines – All woody vines greater than 3.28 ft in height.
2				neight.
2		· ——		Hydrophytic
4.				Vegetation Present? Yes X No
4.		Total Cover		Present? Yes X No No
Demonstra, (Inchesion wheels as a section becomes		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sneet.)			

Sampling Point:

Wet P2-B

SOIL Sampling Point: Wet P2-B

Depth	Matrix	o tile depi		x Featur		.01 01 001	nfirm the absence of	mulcators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	arks	
0-4	10YR 3/1	100					Loamy/Clayey			
4-7	2.5Y 3/2	70	7.5YR 4/4	20	С	М	Sandy	Prominent redox	concentrations	
			7.5YR 3/4	10		M		Prominent redox	concentrations	
7-16	10YR 3/1	60	5YR 3/4	30		M	Loamy/Clayey	Prominent redox	concentrations	
			5YR 3/4	10	С	PL	, , , ,	Prominent redox	concentrations	
			311(3/4	10			<u> </u>	1 Tominent redox	Concentrations	
									_	
¹Type: C=Co	oncentration, D=Deple	etion, RM=	-Reduced Matrix, M	IS=Mask	ed Sand	Grains.	² Location: P	L=Pore Lining, M=Ma	atrix.	
Hydric Soil I								or Problematic Hydr		
Histosol	` '		Dark Surface (` '				ıck (A10) (LRR K, L,	•	
	ipedon (A2)		Polyvalue Belo		ce (S8) (I	RR R,		rairie Redox (A16) (L		
Black His	n Sulfide (A4)		MLRA 149B Thin Dark Surf		(I RR R	MIRA1		icky Peat or Peat (S3 ie Below Surface (S8)		
	Layers (A5)	-	High Chroma S					rk Surface (S9) (LRR		
	Below Dark Surface	(A11)	Loamy Mucky				Iron-Manganese Masses (F12) (LRR K, L, R)			
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (I	F2)	2) Piedmont Floodplain Soils (F19) (MLRA				
Mesic Sp	oodic (A17)	·	Depleted Matri				Red Parent Material (F21) (outside MLRA 145			
•	A 144A, 145, 149B)		X Redox Dark Su	•	•			allow Dark Surface (F	F22)	
	ucky Mineral (S1)		Depleted Dark		` '		Other (E	xplain in Remarks)		
	leyed Matrix (S4)		Redox Depres		8)		³ Indicators of hydrophytic vegetation and			
	edox (S5) Matrix (S6)	-	Marl (F10) (LR Red Parent Ma		21) (MI R	Δ 145)	wetland hydrology must be present,			
Stripped	Matrix (30)	-	Ked i aleiti wa	ateriai (i a	21) (IVILIV	A 143)		s disturbed or problen		
Restrictive L	ayer (if observed):							,		
Type:										
Depth (ir	nches):						Hydric Soil Preser	nt? Yes X	No	
Remarks:										



Wetland P2-B-1- View facing south/southwest



Wetland P2-B-1- 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/County: Fort Ann / Washington County Sampling Date: 05/25/22
Applicant/Owner: TDI	State: NY Sampling Point: UPL P2-B
Investigator(s): C. Scrivner and K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Flat Local	relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43.36736	Long: -73.49134 Datum: WGS 84
Soil Map Unit Name: Covington silty clay loam (CV)	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
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 old field/shoulder of non paved stone dust road within a work	facility.
HYDROLOGY Westland blydrology Indicators	Secondary 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) Water-Stained Leaves (· · · ·
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Presence of Reduced Ir	
Algal Mat or Crust (B4) Recent Iron Reduction 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 Remai	rks)Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches):	
Water Table Present? Yes No X Depth (inches)	
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Besons Resolute Buta (stream gauge, montening well, acrial priotes, pre	wiede inspections), il available.
Remarks:	
Nomano.	

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:4 (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. Rhus typhina	10	Yes	UPL	FACW species 0 x 2 = 0
2				FAC species10 x 3 =30
3				FACU species 70 x 4 = 280
4				UPL species30 x 5 =150
5				Column Totals: 110 (A) 460 (B)
6				Prevalence Index = B/A = 4.18
7				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Lotus corniculatus	30	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Artemisia vulgaris	20	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Solidago canadensis	20	Yes	FACU	data in Remarks or on a separate sheet)
4. Equisetum arvense	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Taraxacum officinale	10	No	FACU	Indicators of hydric soil and watland hydrology must be
6. Galium mollugo	5	No	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Arctium minus	5	No	FACU	Definitions of Vegetation Strata:
8.				To a Mandada (a Cara a
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				One Provident Was disclosed by the Oir DRU
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Harb All borb sees (200 years) plants, regardless
	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		•		Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
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-B

SOIL Sampling Point: UPL P2-B

Depth	Matrix	tne de		ment tn k Featur		or or co	nfirm the absence of indica	tors.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	arks	
0-16	10YR 3/4	100					Loamy/Clayey			
0 10	10111 0/1	100					Louiny olayoy			
	oncentration, D=Deplet	tion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL=Pore			
Hydric Soil I			D. I.O. (> \			Indicators for Pro			
Histosol			Dark Surface (S	,	· (CO) (I	DD D	2 cm Muck (A1			
Black His	oipedon (A2)		Polyvalue Below		e (58) (L	KKK,	Coast Prairie R			
	n Sulfide (A4)		Thin Dark Surfa		(I RR R	MIRA 1	5 cm Mucky Pe 49B) Polyvalue Belo			
·	Layers (A5)		High Chroma S	. ,			Thin Dark Surfa	•	, ,	_)
	l Below Dark Surface ((A11)	Loamy Mucky I				Iron-Manganes			. L. R)
	rk Surface (A12)	, ,	Loamy Gleyed			, -,	Piedmont Floor			
	podic (A17)		Depleted Matrix	•	,		Red Parent Ma			
	A 144A, 145, 149B)		Redox Dark Su		6)		Very Shallow D			,
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Explain	in Remarks)		
Sandy G	leyed Matrix (S4)		Redox Depress	ions (F8	3)					
Sandy R	edox (S5)		Marl (F10) (LR	R K, L)			³ Indicators of h	ydrophytic veg	jetation an	d
Stripped	Matrix (S6)		Red Parent Ma	terial (F2	21) (MLR	A 145)	wetland hydr	ology must be	present,	
							unless distur	bed or probler	natic.	
	_ayer (if observed):									
Type:										
Depth (ir	nches):						Hydric Soil Present?	Yes	No_	X
Remarks:							•			



Upland P2-B-1-View facing south



Upland P2-B-1-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: 11/17/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-MM-Up
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Lake Plains Local	relief (concave, convex, none): Convex Slope %: 10
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,21',44.99"N	Long: 73°,29',35.45"W Datum:
Soil Map Unit Name: Claverack Loamy Fine Sand	NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	
Are Vegetation, Soil, or 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 old field/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	<u> </u>
High Water Table (A2) Aquatic Fauna (B13) And Deposits (B15)	Moss Trim Lines (B16)
Saturation (A3) Water Marks (B1) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Crayfish Burrows (C8)
 · · · ·	· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Drift Deposits (B3) Oxidized Rhizospheres of Presence of Reduced Inc.	<u> </u>
Algal Mat or Crust (B4) Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
<u> </u>	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	(D3)
: ` ` ′	
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	
besome recorded bata (stream gauge, monitoring well, denai priotos, pre	, vious inspections), it available.
Remarks:	

<u>Free Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
. Acer negundo	70 COVE	Yes	FAC	Dominance Test worksneet.
. Fraxinus americana	10	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Prunus serotina	5	Yes	FACU	
_		163	TACO	Total Number of Dominant Species Across All Strata: 6 (B)
		· ——		Species Across All Strata: 6 (B)
		· ——		Percent of Dominant Species
		· ——		That Are OBL, FACW, or FAC:(A/E Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15'		- Total Cover		OBL species x 1 =
	, 5	Yes	FACU	
Lonicera tatarica	<u> </u>	168	FACU	'
				FACULARIAN X 3 =
				FACU species x 4 =
				UPL species x 5 =
				Column Totals: (A) (E
				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')		.,		2 - Dominance Test is >50%
Setaria faberi Cirsium arvense	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Cirsium arvense	15	Yes	<u>FACU</u>	4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet)
Phalaris arundinacea	5	No	FACW	
·		· ——		Problematic Hydrophytic Vegetation ¹ (Explain)
·		· ——		¹ Indicators of hydric soil and wetland hydrology must
·				be present, unless disturbed or problematic.
·				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of heigh
)				Sapling/shrub – Woody plants less than 3 in. DBH
1		· ——		and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardles
	40	=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
				height.
				Hydrophytic
·	<u> </u>	<u> </u>		Vegetation
				Present? Yes NoX
		=Total Cover		

SOIL Sampling Point: GR-MM-Up

Depth	ription: (Describe t Matrix	o the de		ument tr x Featur		ator or co	onfirm the absence of indic	ators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	rks
0-10	7.5YR 4/3	100					Loamy/Clayey		
10-14	7.5YR 5/2	100					Loamy/Clayey		
							 - 		
	oncentration, D=Depl	etion, RM	1=Reduced Matrix, M	/IS=Mas	ked San	d Grains.	² Location: PL=Por		•
Hydric Soil				0 ((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)	
	d 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	` '					9) (MLRA 149B)
	flucky Mineral (S1)		Redox Dark Su						44A, 145, 149B)
	Gleyed Matrix (S4) Redox (S5)		Depleted Dark Redox Depress				Red Parent Ma	iterial (F21) Dark Surface (F:	22)
	Matrix (S6)		Marl (F10) (LR		0)		Other (Explain		22)
	rface (S7)		Warr (1 10) (ER	· · · · · · · · · · · · · · · · · · ·			Other (Explain	iii rtomantoj	
	,								
³ Indicators o	f hydrophytic vegetati	ion and w	∕etland hydrology mι	ust be pr	esent, ui	nless dist	urbed or problematic.		
	Layer (if observed):								
Type:									
Depth (ir	nches):						Hydric Soil Present?	Yes	No <u>X</u>
Remarks:									



Upland G-R-MM- View facing Southwest



Upland G-R-MM- View facing East

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: 11/17/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-MM-Wet
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Lake Plains Local	relief (concave, convex, none): Convex Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,50',75.59"N	Long: 73°,41',46.86"W Datum:
Soil Map Unit Name: Claverack Loamy Fine Sand	NWI classification: PSS
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes 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.) Wetland is essentially an overgrown ditchline along track toe, with some ac	Jjacent wet fields.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leaves (I	B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor ((C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction ir	
Iron Deposits (B5) — Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Remarks:	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Tree Stratum (Plot size: 30') 1. Acer rubrum	10	Species? Yes	FAC	Dominance Test worksheet.
2. Fraxinus pennsylvanica	10	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
3. Ulmus americana	5	No	FACW	That Ale OBE, I ACW, OF AC(A)
Pinus strobus	5	No	FACU	Total Number of Dominant Species Across All Strata: 6 (B)
5. Prunus serotina	5	No	FACU	Opedies Across All Strata.
6,			TACO	Percent of Dominant Species That Are OBL, FACW, or FAC: 83.3% (A/B)
7.				Prevalence Index worksheet:
·	35	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1. Cornus amomum	20	Yes	FACW	FACW species x 2 =
2. Lonicera tatarica	10	Yes	FACU	FAC species x 3 =
3. Cornus racemosa	10	Yes	FAC	FACU species x 4 =
4.				UPL species x 5 =
5.				Column Totals: (A) (B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	20	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Onoclea sensibilis	5	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Symphyotrichum racemosum	5	No	FACW	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	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 separ	rate sheet.)			

Sampling Point: GR-MM-Wet

SOIL Sampling Point: GR-MM-Wet

Profile Des	cription: (Describe	to the de	pth needed to docu	ıment t	he indica	tor or c	onfirm the absence o	f indicators.)
Depth	Matrix			k Featur	es			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 4/3	100						
8-15	10YR 5/2	97	10YR 5/6	3	<u> </u>	M	Mucky Loam/Clay	Prominent redox concentrations
		<u> </u>			<u> </u>	<u></u>		
		<u> </u>			<u> </u>	<u> </u>		
				_	<u> </u>	_		
1 _{Tune: 0: 0}	oncentration, D=Dep		I=Doduced M-to-		Lod Carr		21	L=Pore Lining, M=Matrix.
Hydric Soil Histosol Histic E Black H Hydroge Stratifie Deplete Thick D Sandy N Sandy C Sandy F Stripped Dark Su	Indicators: 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)	e (A11)	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	w Surfa) ace (S9 Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)	ce (S8) (I) (LRR R 611) (LRI (F1) (LRI F2) -6) - (F7)	LRR R, , 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 : ack (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) acky Peat or Peat (S3) (LRR K, L, R) be Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) rganese 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)
Restrictive	Layer (if observed):		caana nyararagy ma	ю во р		noos are		
Type: Depth (i	nches):						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-MM- View facing West



Wetland G-R-MM- 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: 11/17/21
Applicant/Owner: CHPE	State: NY	Sampling Point: GR-NN-Up
Investigator(s): KW, KS	Section, Township, Range: Fort Edw	- vard
Landform (hillside, terrace, etc.): Lake Plains and Footslopes Local	relief (concave, convex, none): Convex	Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,21',12.43"N	Long: 73°,29',52.42"W	 Datum:
Soil Map Unit Name: Claverack Loamy Fine Sand and Kingsbury Silty Clay		
Are climatic / hydrologic conditions on the site typical for this time of year?		explain in Remarks.)
		
Are Vegetation, Soil, or Hydrologysignificantly disturb		
Are Vegetation, Soil, or Hydrologynaturally problems		,
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, 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:	
Remarks: (Explain alternative procedures here or in a separate report.)		
Successional old field/railroad ROW		
Subsectional did notational New		
HYDROLOGY		
Wetland Hydrology Indicators:	Secondary Indicators (r	minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks	s (B6)
Surface Water (A1) Water-Stained Leaves (E	B9) Drainage Patterns	(B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B	316)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water	Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor ((C1) Crayfish Burrows (C	C8)
Sediment Deposits (B2) Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible c	on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed	d Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction ir	n Tilled Soils (C6) Geomorphic Position	on (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (E	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):	: <u></u> _	
Water Table Present? Yes No X Depth (inches):		
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present?	Yes No _X_
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:	
Remarks:		

<u>Γree Stratum</u> (Plot size: <u>30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Prunus serotina	15	Yes	FACU	Number of Dominant Species
2. Acer saccharum	10	Yes	FACU	That Are OBL, FACW, or FAC: 0 (A)
Fraxinus americana	10	Yes	FACU	Total Number of Dominant
				Species Across All Strata: 6 (B)
i.				Percent of Dominant Species
3.				That Are OBL, FACW, or FAC: 0.0% (A/B)
· ·				Prevalence Index worksheet:
	35	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')	•		OBL species x 1 =
Lonicera tatarica	5	Yes	FACU	FACW species x 2 =
				FAC species x 3 =
s				FACU species x 4 =
•				UPL species x 5 =
i				Column Totals: (A) (B
3.				Prevalence Index = B/A =
•				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5')				2 - Dominance Test is >50%
. Solidago canadensis	10	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Setaria faberi	35	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Verbascum thapsus	5	No	UPL	data in Remarks or on a separate sheet)
l				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
S				be present, unless disturbed or problematic.
7				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
	50	=Total Cover		of size, and woody plants less than 3.28 ft tall.
)			Woody vines – All woody vines greater than 3.28 ft in
Voody Vine Stratum (Plot size:15'				height.
				Hydrophytic
2.				Hydrophytic Vegetation

SOIL Sampling Point: GR-NN-Up

Depth	Matrix		Redo	x Featur	es		nfirm the absence of i		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	ks
0-5	10YR 5/2	100					Sandy		
5-12	10YR 4/3	100					Loamy/Clayey		
							_		
			_						
¹ Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	 ∕IS=Mas	ked Sand	d Grains.	² Location: PL	=Pore Lining, M=Ma	trix.
Hydric Soil I		- · · · · · · · · · · · · · · · · · · ·	,					Problematic Hydri	•
Histosol		•	Polyvalue Belo		ce (S8) (I	LRR R,	2 cm Muc	k (A10) (LRR K, L, N	/ILRA 149B)
	pipedon (A2)		MLRA 149B	•				irie Redox (A16) (LF	
Black His			Thin Dark Surf					ky Peat or Peat (S3)	
	n Sulfide (A4)		High Chroma S					Below Surface (S8)	
	l Layers (A5) d Below Dark Surface	(Δ11)	Loamy Mucky Loamy Gleyed			Κ K , L)		Surface (S9) (LRR l ganese Masses (F12	
	ark Surface (A12)	(A11)	Depleted Matri		1 2)			Floodplain Soils (F1	
THION DO	ant Gariago (7112)	•			6)			odic (TA6) (MLRA 1 4	
	lucky Mineral (S1)		Redox Dark St						
Sandy M	lucky Mineral (S1) Bleyed Matrix (S4)		Redox Dark Su Depleted Dark		(F7)		Red Pare		, ,
Sandy M Sandy G	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5)		Depleted Dark Redox Depress	Surface				nt Material (F21) low Dark Surface (F2	
Sandy M Sandy G Sandy R	Gleyed Matrix (S4)		Depleted Dark	Surface sions (F			Very Shal	nt Material (F21)	
Sandy M Sandy G Sandy R Stripped	Gleyed Matrix (S4) Redox (S5)		Depleted Dark Redox Depress	Surface sions (F			Very Shal	nt Material (F21) low Dark Surface (F2	
Sandy M Sandy G Sandy R Stripped Dark Sur	Bleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7)		Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	alaaa diate	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2	
Sandy M Sandy G Sandy R Stripped Dark Sur	Bleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless distu	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2	
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L	Bleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7)	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless distu	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2	
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type:	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless distu	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless distr	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type:	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless distu	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless distr	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless dist	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless distu	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless distu	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless dist	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless distu	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless distu	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless dist	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless dist	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and w	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless dist	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive L Type: Depth (ir	Sleyed Matrix (S4) Sedox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and we	Depleted Dark Redox Depress Marl (F10) (LR	Surface sions (Fi	3)	nless dist	Very Shal Other (Ex	nt Material (F21) low Dark Surface (F2 plain in Remarks)	22)



Upland G-R-NN- View facing South



Upland G-R-NN- View facing Southwest

Segment 3 - Package 2

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

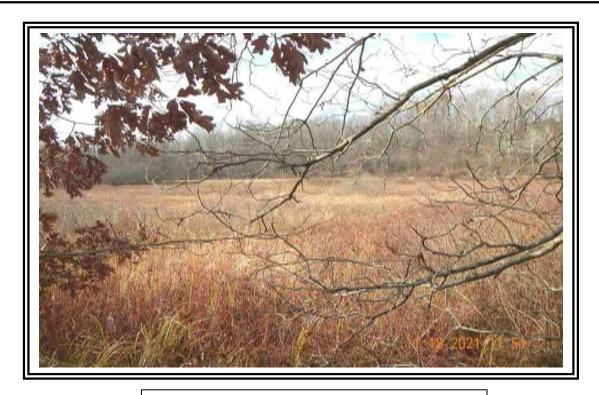
Project/Site: CHPE - CP Rail - Comstock to Fort Edward Section	City/County: Washington Sampling Date: 11/17/21
Applicant/Owner: CHPE	State: NY Sampling Point: GR-NN-Wet
Investigator(s): KW, KS	Section, Township, Range: Fort Edward
Landform (hillside, terrace, etc.): Lake Plains and Footslopes Local	relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 43°,21',12.43"N	Long: 73°,29',52.42"W Datum:
Soil Map Unit Name: Claverack Loamy Fine Sand and Kingsbury Silty Clay	
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.)	
Shallow emergent marsh	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) X Water-Stained Leaves (I	` ` `
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (
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)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	:
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	10	Yes	FACW	
Fraxinus pennsylvanica	5	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)
3. Quercus bicolor	5	Yes	FACW	
4.				Total Number of Dominant Species Across All Strata: 8 (B)
5 6.		· ——		Percent of Dominant Species That Are OBL, FACW, or FAC: 87.5% (A/B)
7.				Prevalence Index worksheet:
· ·	20	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1. Cornus racemosa	15	Yes	FAC	FACW species x 2 =
2. Alnus incana	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)
				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
··	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		, rotal cover		X 2 - Dominance Test is >50%
Phalaris arundinacea	35	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
Scirpus cyperinus	15	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Scirpus atrovirens	5	No No	OBL	data in Remarks or on a separate sheet)
4. Typha latifolia	10	No No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Eutrochium maculatum	10	No No	OBL	<u> </u>
6.	10			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.		. <u></u>		Tree – Woody plants 3 in. (7.6 cm) or more in
9		. <u></u>		diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11		·		and greater than or equal to 3.26 it (1 m) tall.
12	75	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 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-NN-Wet

SOIL Sampling Point: GR-NN-Wet

Profile Des	cription: (Describe	to the de	oth needed to docu	ıment t	ne indica	tor or co	onfirm the absence of	f indicators.)		
Depth	Matrix			k Featur	es					
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-8	10YR 3/2	100								
8-14	10YR 2/1	95	10YR 5/6	5		<u>M</u>	Loamy/Clayey	Prominent redox concentrations		
				_	_					
		<u> </u>			<u> </u>	<u> </u>				
		_			_					
							·			
1Typo: C=C	encentration D=Den	Lotion PN	I-Reduced Matrix N		Lod Son	Croins	² Location: D	L-Dara Lining M-Matrix		
	oncentration, D=Dep	letion, Riv	i=Reduced Matrix, N	15=Ivias	ked Sand	Grains.		L=Pore Lining, M=Matrix.		
Histosol Histic E Black H Hydroge Stratifie Deplete Thick D Sandy N Sandy F Stripped Dark Su	Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R, MLRA MLRA H19B) Thin Dark Surface (S9) (LRR R, MLRA H19B) High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Matrix (F2) Depleted Matrix (F3) X Redox Dark Surface (F6) Redox Depressions (F8) Marl (F10) (LRR K, L) Dark Surface (S7)					, MLRA 1 R K, L) R K, L)	Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)			
Type: Depth (i							Hydric Soil Presei	nt? Yes X No		
	rm is revised from No 2015 Errata. (http://v							CS Field Indicators of Hydric Soils,		



Wetland G-R-NN- View facing West



Wetland G-R-NN- 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/County: Kingsbury / Washington	Sampling Date: 10/31/2022
Applicant/Owner: TDI		State: NY	Sampling Point: Wet
Investigator(s): C. Scrivner, J. Greaves		Section, Township, Range:	
Landform (hillside, terrace, etc.): Depression	l ocal re	elief (concave, convex, none): Concave	Slope %: 2
Subregion (LRR or MLRA): LRR R	Lat: 43.35423° N	Long: -73.49759° W	Datum: WGS 84
Soil Map Unit Name: CIB: Claverack loamy fin	e sand, 2 to 6 percent slopes	NWI classification:	PEM1
Are climatic / hydrologic conditions on the site ty	pical for this time of year?	Yes X No (If no,	explain in Remarks.)
Are Vegetation, Soil, or Hydrolo	ogysignificantly disturbe	ed? Are "Normal Circumstances" prese	nt? Yes X No
Are Vegetation, Soil, or Hydrold			Remarks.)
SUMMARY OF FINDINGS – Attach s	·		· ·
		mily point locations, transcotts, im-	
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	1
Palustrine emergent marsh. This is the backsic through J.	ae or wedand G-K-iviv in the pr	TOXITHITY OF WHITE POST 127.4. THIS DACK SIDE WAS	s liagged with letters A
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (m	ninimum of two required)
Primary Indicators (minimum of one is required	l; check all that apply)	Surface Soil Cracks	(B6)
Surface Water (A1)	Water-Stained Leaves (B	9) Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B	
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	
Water Marks (B1)	Hydrogen Sulfide Odor (C		
Sediment Deposits (B2)	Oxidized Rhizospheres or		n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron		
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6) X 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	s) Microtopographic R	elief (D4)
Sparsely Vegetated Concave Surface (B8))	X FAC-Neutral Test (I	D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes			
Saturation Present? Yes	No X Depth (inches):		Yes X No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monit	toring well, aerial photos, previ	ious inspections), if available:	
Remarks:			

VEGETATION – Use scientific names of plants. Sampling Point: Wet Absolute Dominant Indicator Tree Stratum (Plot size: 30') Species? Status % Cover **Dominance Test worksheet:** 1. **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: 6 (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 66.7% (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15' OBL species 20 20 x 1 = 85 x 2 = Fraxinus pennsylvanica **FACW FACW** species 170 2. Rubus occidentalis Yes UPL FAC species x 3 = 5 **FACU** species 5 x 4 = 3. Rubus allegheniensis Yes **FACU** 5 4. UPL species x 5 = 5. Column Totals: 115 235 2.04 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 7. 1 - Rapid Test for Hydrophytic Vegetation 15 =Total Cover Herb Stratum (Plot size: 5') X 2 - Dominance Test is >50% Phalaris arundinacea **FACW** X 3 - Prevalence Index is ≤3.0¹ 1. Yes 35 4 - Morphological Adaptations¹ (Provide supporting 2. Onoclea sensibilis Yes **FACW** data in Remarks or on a separate sheet) Carex lacustris 20 3. Yes OBL 5 Problematic Hydrophytic Vegetation¹ (Explain) 4. Verbena hastata No **FACW** 5. ¹Indicators 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 and greater than or equal to 3.28 ft (1 m) tall. 11. Herb - All herbaceous (non-woody) plants, regardless 100 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30' Woody vines - All woody vines greater than 3.28 ft in height. 1. Hydrophytic Vegetation Present? Yes X No

=Total Cover

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

SOIL Sampling Point: Wet

Color (moist)	(in abc = \	Matrix	0/		K Featur		12	Ta		D '	
10YR 5/3 15 C M Prominent redox concentration 10YR 5/3 15 C M Faint redox concentration 10YR 5/3 15 C M Members 10YE 5/4 10YE	(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Туре	Loc			Remark	(S
1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1 Hydric Soil Indicators: 1 Histosol (A1) 1 Dark Surface (S7) 2 cm Muck (A10) (LRR K, L, MLRA 14 1 Histic Epipedon (A2) 2 polyvalue Below Surface (S8) (LRR R, Caset Prairie Redox (A16) (LRR K, L, MLRA 14 1 Histic Epipedon (A2) 2 polyvalue Below Surface (S8) (LRR R, Caset Prairie Redox (A16) (LRR K, L, MLRA 14 3 Hydrogen Sulfide (A4) 5 cm Mucky Peat or Peat (S3) (LRR K, L) 4 High Chroma Sands (S11) (LRR K, L) 5 polyvalue Below Surface (S9) (LRR R, MLRA 149B) 5 tratified Layers (A5) 4 High Chroma Sands (S11) (LRR K, L) 5 tratified Layers (A5) 5 tratified Layers (A5) 6 Loamy Mucky Mineral (F1) (LRR K, L) 7 Thick Dark Surface (A11) 7 Thick Dark Surface (A12) 8 Loamy Gleyed Matrix (F2) 9 Polyvalue Below Surface (F12) (LRR K, L) 1 Iron-Manganese Masses (F12) (LRR K, L) 2 Iron-Manganese Masses (F12) (LRR K, L) 3 Red Parent Material (F21) (outside Mit (MLRA 144, 145, 149B) 5 Andy Mucky Mineral (S1) 5 Andy Gleyed Matrix (S4) 7 Sandy Gleyed Matrix (S4) 8 Red Parent Material (F21) (MLRA 145) 8 Andy Redox (S5) 8 Marl (F10) (LRR K, L) 8 Andy Redox (S5) 8 Marl (F10) (LRR K, L) 8 Andy Redox (S5) 9 Marl (F10) (LRR K, L) 8 Andy Redox (S5) 9 Marl (F10) (LRR K, L) 1 Indicators of hydrophytic vegetation ar wetland hydrology must be present, unless disturbed or problematic.	0-16	10YR 4/2	75	10YR 6/8	5	<u>C</u>	<u>M</u>	Loamy/Clayey	Prominer	t redox co	oncentrations
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulffide (A4) High Capter (A5) High Chroma Sands (S11) (LRR R, L) Stratified Layers (A5) High Chroma Sands (S11) (LRR K, L) Thin Dark Surface (S9) (LRR R, L) Thick Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A12) Mesic Spodic (A17) Medic Sandy Mucky Mineral (S1) September (F2) Sendy Gleyed Matrix (S4) Sendy Redox (S5) Marl (F10) (LRR K, L) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:				10YR 6/6	5	С	M		Prominer	t redox co	oncentrations
Hydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R, Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Mesic Spodic (A17) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Restrictive Layer (if observed): Type: Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149 2 cm Muck (A10) (LRR K, L, MLRA 149 2 cm Muck (A10) (LRR K, L, MLRA 149 2 cm Muck (A10) (LRR K, L, MLRA 149 Coast Prairie Redox (A16) (LRR K, L, L) Coast Prairie Redox (A16) (LRR K, L, L) Stripped Mucky Mineral (S3) (LRR K, L, L) Loamy Mucky Mineral (S1) Seriou Mucky Mineral (S1) Seriou Marl (F10) (LRR K, L) Red Parent Material (F21) (MLRA 145) Marl (F10) (LRR K, L) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Wetland hydrology must be present, unless disturbed or problematic.				10YR 5/3	15	С	M		Faint r	edox cond	entrations
Hydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R, Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Mesic Spodic (A17) Mesic Spodic (A17) Mesic Spodic (A17) Mesic Spodic (A17) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Marl (F10) (LRR K, L) Depleted Dark Surface (S9) Red Parent Material (F21) (MLRA 145) Marl (F10) (LRR K, L) Marl (F10) (LRR K, L) Stripped Matrix (S6) Restrictive Layer (if observed): Type: Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149 Coast Prairie Redox (A16) (LRR K, L, L, Score Problematic Problematic Hydric Soils ³ : 1 cm Muck (A10) (LRR K, L, MLRA 149B) Stripped Matrix (A10) (LRR K, L, L) Dark Surface (S9) (LRR R, L, L) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Matrix (F3) Red Parent Material (F21) (MLRA 145) Marl (F10) (LRR K, L) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Wetland hydrology must be present, unless disturbed or problematic.											
Hydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R, Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Mesic Spodic (A17) Mesic Spodic (A17) Mesic Spodic (A17) Mesic Spodic (A17) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Marl (F10) (LRR K, L) Depleted Dark Surface (S9) Red Parent Material (F21) (MLRA 145) Marl (F10) (LRR K, L) Marl (F10) (LRR K, L) Stripped Matrix (S6) Restrictive Layer (if observed): Type: Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149 Coast Prairie Redox (A16) (LRR K, L, L, Score Problematic Problematic Hydric Soils ³ : 1 cm Muck (A10) (LRR K, L, MLRA 149B) Stripped Matrix (A10) (LRR K, L, L) Dark Surface (S9) (LRR R, L, L) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Matrix (F3) Red Parent Material (F21) (MLRA 145) Marl (F10) (LRR K, L) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Wetland hydrology must be present, unless disturbed or problematic.		_				<u> </u>					
Hydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R, Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Mesic Spodic (A17) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Restrictive Layer (if observed): Type: Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149 2 cm Muck (A10) (LRR K, L, MLRA 149 2 cm Muck (A10) (LRR K, L, MLRA 149 2 cm Muck (A10) (LRR K, L, MLRA 149 Coast Prairie Redox (A16) (LRR K, L, L) Coast Prairie Redox (A16) (LRR K, L, L) Stripped Mucky Mineral (S3) (LRR K, L, L) Loamy Mucky Mineral (S1) Seriou Mucky Mineral (S1) Seriou Marl (F10) (LRR K, L) Red Parent Material (F21) (MLRA 145) Marl (F10) (LRR K, L) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Wetland hydrology must be present, unless disturbed or problematic.											
Hydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R, Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Mesic Spodic (A17) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Restrictive Layer (if observed): Type: Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149 2 cm Muck (A10) (LRR K, L, MLRA 149 2 cm Muck (A10) (LRR K, L, MLRA 149 2 cm Muck (A10) (LRR K, L, MLRA 149 Coast Prairie Redox (A16) (LRR K, L, L) Coast Prairie Redox (A16) (LRR K, L, L) Stripped Mucky Mineral (S3) (LRR K, L, L) Loamy Mucky Mineral (S1) Seriou Mucky Mineral (S1) Seriou Marl (F10) (LRR K, L) Red Parent Material (F21) (MLRA 145) Marl (F10) (LRR K, L) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Wetland hydrology must be present, unless disturbed or problematic.											
Hydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R, Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Mesic Spodic (A17) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Marl (F10) (LRR K, L) Redox Depressions (F8) Sandy Redox (S5) Marl (F10) (LRR K, L) Redox Darent Material (F21) (MLRA 145) Stripped Matrix (S6) Restrictive Layer (if observed): Type: Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149) 2 cm Muck (A10) (LRR K, L, MLRA 149) Coast Prairie Redox (A16) (LRR K, L, L) Coast Prairie Redox (A16) (LRR K, L, L) Coast Prairie Redox (A16) (LRR K, L, L) Stratified Layers (A16) MLRA 149B) Stratified Layers (A5) High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L) Piedmont Floodplain Soils (F19) (MLR MLRA 145) Red Parent Material (F21) (outside Ml Very Shallow Dark Surface (F22) Other (Explain in Remarks) Sandy Redox (S5) Marl (F10) (LRR K, L) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) wetland hydrology must be present, unless disturbed or problematic.											
Hydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R, Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Mesic Spodic (A17) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Marl (F10) (LRR K, L) Redox Depressions (F8) Sandy Redox (S5) Marl (F10) (LRR K, L) Redox Depressions (F8) Sandy Redox (S5) Marl (F10) (LRR K, L) Redox Depresent, unless disturbed or problematic. Restrictive Layer (if observed): Type: Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149 Coast Prairie Redox (A16) (LRR K, L, L) Form Mucky Peat or Peat (S3) (LRR K, L, L) Thin Dark Surface (S9) (LRR K, L, L) Inon-Manganese Masses (F12) (LRR K, L) Piedmont Floodplain Soils (F19) (MLR Red Parent Material (F21) (outside MI Very Shallow Dark Surface (F22) Other (Explain in Remarks) Sandy Redox (S5) Marl (F10) (LRR K, L) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) wetland hydrology must be present, unless disturbed or problematic.											
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Stratified Layers (A5) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A12) Mesic Spodic (A17) (MLRA 144A, 145, 149B) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Red Parent Material (F21) (MLRA 145) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR M Piedmont Floodplain Soils (F19) (MLR Red Parent Material (F21) (outside MI) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Shandy Redox (S5) Marl (F10) (LRR K, L) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Restrictive Layer (if observed): Type:	Black Histic	(A3)		MLRA 149B))			5 cm Muc	cky Peat or F	Peat (S3)	LRR K, L, R
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Sandy Redox (S5) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) Restrictive Layer (if observed): Type: Marl (F10) (LRR K, L) Red Parent Material (F21) (MLRA 145) wetland hydrology must be present, unless disturbed or problematic.		• , ,						Other (Ex	piain in Ken	iaiks)	
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:					•	3)		³ Indicator	s of hydroph	vtic veaet	ation and
Restrictive Layer (if observed): Type:						21) (MLF	RA 145)	wetland hydrology must be present,			
Type:					,	, ,					
" ————————————————————————————————————	Restrictive Laye	er (if observed):									
Depth (inches): Hydric Soil Present? Yes X No	Туре:										
	Depth (inche	es):						Hydric Soil Present	t? \	es X	No
Remarks:	Remarks:										



Wetland G-R-NN (backside of wetland flagged with $A-J)\ near\ flag\ I-View\ facing\ south$



Wetland G-R-NN (backside of wetland flagged with $\boldsymbol{A}-\boldsymbol{J})$ near flag \boldsymbol{I} - 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/County: Kingsbury / Washington	Sampling Date: 10/31/2022
Applicant/Owner: TDI		State: NY	Sampling Point: UPL
Investigator(s): C. Scrivner, J. Greaves		Section, Township, Range:	
Landform (hillside, terrace, etc.): Terrace	l ocal re	elief (concave, convex, none): Convex	Slope %: 3
·			<u> </u>
Subregion (LRR or MLRA): LRR R	Lat: 43.35418° N	Long: -73.49753° W	Datum: WGS 84
Soil Map Unit Name: CIB: Claverack loamy fire	ne sand, 2 to 6 percent slopes	NWI classification:	NA
Are climatic / hydrologic conditions on the site t	ypical for this time of year?	Yes X No (If no,	explain in Remarks.)
Are Vegetation, Soil, or Hydrold	ogysignificantly disturbe	ed? Are "Normal Circumstances" prese	ent? Yes X No
Are Vegetation, Soil, or Hydrole			Remarks.)
	·		· ·
SUMMARY OF FINDINGS – Attach s	nte map snowing samp	ning point locations, transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Area	
	Yes X No	within a Wetland? Yes	No X
	Yes No X	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures her			
Successional old field. This is the backside of		ity of Mile Post 127.4. This back side was flag	ged with letters A through J.
	•	,	0
HYDROLOGY			
		Cocondon Indicatora (n	oinimum of two vacuired
Wetland Hydrology Indicators:	de abaale all that apply		ninimum of two required)
Primary Indicators (minimum of one is required		Surface Soil Cracks	` '
Surface Water (A1)	Water-Stained Leaves (BS		
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B	
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	
Water Marks (B1)	Hydrogen Sulfide Odor (C		,
Sediment Deposits (B2)	Oxidized Rhizospheres or		n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron		
Algal Mat or Crust (B4)	Recent Iron Reduction in		
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D	
Inundation Visible on Aerial Imagery (B7)			
Sparsely Vegetated Concave Surface (B8	i)	FAC-Neutral Test (I	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, mon	itoring well, aerial photos, previ	ious inspections), if available:	
Remarks:			

VEGETATION – Use scientific names of plants. Sampling Point: UPL Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: 30') Status % Cover Species? 1. **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: 0 (A) 3. **Total Number of Dominant** 4. Species Across All Strata: 3 (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 0.0% (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Sapling/Shrub Stratum (Plot size: ___ 15' OBL species x 1 = x 2 = Rubus allegheniensis 10 FACU **FACW** species 0 Yes 2. Rubus occidentalis 10 Yes UPL FAC species 0 x 3 = **FACU** species 100 3. x 4 = 4. UPL species 20 x 5 = 5. Column Totals: 120 500 6. 4.17 Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 7. 20 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 2 - Dominance Test is >50% Solidago canadensis FACU 3 - Prevalence Index is ≤3.01 1. 10 4 - Morphological Adaptations¹ (Provide supporting 2. Rubus allegheniensis No **FACU** data in Remarks or on a separate sheet) 10 3. Rubus occidentalis UPL No Problematic Hydrophytic Vegetation¹ (Explain) 4. 5. ¹Indicators 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 and greater than or equal to 3.28 ft (1 m) tall. 11. Herb - All herbaceous (non-woody) plants, regardless 100 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30' Woody vines - All woody vines greater than 3.28 ft in height. 1. Hydrophytic Vegetation Present? Yes No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point: UPL

Depth	Matrix			k Featur			nfirm the absence of				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Re	marks		
0-16	10YR 3/1	90	10YR 6/8	10	С	<u>M</u>	Loamy/Clayey	Prominent red	ox concentrations		
	oncentration, D=Deple	etion, RM	l=Reduced Matrix, M	S=Mask	ked Sand	Grains.		L=Pore Lining, M=			
Hydric Soil I			Douls Conform (27)				or Problematic Hy			
Histosol	(AT) pipedon (A2)		Dark Surface (S		oo (S9) (I	DD D		ick (A10) (LRR K , rairie Redox (A16)			
Black Hi			MLRA 149B)		ce (36) (I	-NN N,		icky Peat or Peat (
	n Sulfide (A4)		Thin Dark Surfa		(LRR R.	MLRA 1		ie Below Surface (
	Layers (A5)		High Chroma S					rk Surface (S9) (LF			
	d Below Dark Surface	(A11)	Loamy Mucky N						F12) (LRR K, L, R)		
	ark Surface (A12)	,	Loamy Gleyed			,		-	(F19) (MLRA 149B)		
Mesic S	oodic (A17)		Depleted Matrix	(F3)			Red Par	ent Material (F21)	(outside MLRA 145)		
(MLR	A 144A, 145, 149B)		X Redox Dark Su	rface (F	6)		Very Sha	allow Dark Surface	e (F22)		
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface	e (F7)		Other (E	xplain in Remarks)		
	leyed Matrix (S4)		Redox Depress		8)		3				
	edox (S5)		Marl (F10) (LR l				³ Indicators of hydrophytic vegetation and wetland hydrology must be present,				
Stripped	Matrix (S6)		Red Parent Ma	terial (F	21) (ML R	RA 145)					
Postriotivo I	_ayer (if observed):						unless	s disturbed or prob	lematic.		
Type:	_ayer (ii observed).										
•	I \						United Call Discoun	-10 Y	V N-		
Depth (ir	nches):						Hydric Soil Preser	nt? Yes_	X No		
Remarks:											



 $\begin{array}{c} Upland \ G\text{-}R\text{-}NN \ (backside \ of \ wetland \ flagged \ with \ A-J) \ near \ flag \ I-View \ facing \ south/southwest \end{array}$



 $\label{eq:continuous} Upland~G\text{-}R\text{-}NN~(backside~of~wetland~flagged~with~} A-J)~near~flag~I~\text{-}Soils$

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/County: Kingsbu	ury / Washington	Sampling Date: <u>10/31/2022</u>
Applicant/Owner: TDI			State: NY	Sampling Point: Wet P2-J
Investigator(s): C. Scrivner, J. Greaves		Section, Tov	vnship, Range:	
Landform (hillside, terrace, etc.): Depression	on Local re	elief (concave, conve	x. none): Concave	Slope %: 2
Subregion (LRR or MLRA): LRR R	Lat: 43.35609° N	Long:	\ <u></u>	Datum: WGS 84
Soil Map Unit Name: Cv: Covington silty clar		Long.	NWI classification:	PEM1
Are climatic / hydrologic conditions on the site		Voc. V	No (If no	ovolain in Pomarke)
, ,		Yes X		explain in Remarks.)
Are Vegetation, Soil, or Hydro			nal Circumstances" prese	
Are Vegetation, Soil, or Hydro	logynaturally problemat	tic? (If needed	I, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach	site map showing sam	pling point loca	tions, transects, in	nportant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Ar	ea	
Hydric Soil Present?	Yes X No	within a Wetland?		No
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID: Near flag	P2-J-6
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (m	ninimum of two required)
Primary Indicators (minimum of one is requir	ed; check all that apply)		Surface Soil Cracks	(B6)
Surface Water (A1)	Water-Stained Leaves (B	39)	Drainage Patterns (
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	
Water Marks (B1)	Hydrogen Sulfide Odor (C		Crayfish Burrows (C	,
Sediment Deposits (B2)	X Oxidized Rhizospheres of	-		n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed	
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in Thin Muck Surface (C7)	Tilled Solls (Cb)	X Geomorphic Positio Shallow Aquitard (D	
Inundation Visible on Aerial Imagery (B7		(2)	Microtopographic R	,
Sparsely Vegetated Concave Surface (E	· — , .	(0)	X FAC-Neutral Test (
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
	No X Depth (inches):			
Water Table Present? Yes Saturation Present? Yes	No X Depth (inches):		d Hydrology Present?	Yes X No
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, prev	vious inspections), if	available:	
Remarks:				

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 5(A)				
3. 4.				Total Number of Dominant Species Across All Strata:5(B)				
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)				
7.				Prevalence Index worksheet:				
		=Total Cover		Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 = 20				
1				FACW species 60 x 2 = 120				
2				FAC species15 x 3 =45				
3				FACU species 5 x 4 = 20				
4				UPL species0 x 5 =0				
5				Column Totals: 100 (A) 205 (B)				
6.	-	· <u></u>		Prevalence Index = B/A = 2.05				
7.				Hydrophytic Vegetation Indicators:				
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation				
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%				
Phalaris arundinacea	50	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹				
2. Lythrum salicaria	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting				
3. Carex vulpinoidea	10	Yes	OBL	data in Remarks or on a separate sheet)				
4. Cornus amomum	10	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)				
5. Setaria pumila	10	Yes	FAC	The diseases of bounding and conditioned bounded and an arranged by				
6. Taraxacum officinale	5	No	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
7. Ranunculus acris	5	No	FAC	Definitions of Vegetation Strata:				
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter				
9.				at breast height (DBH), regardless of height.				
10.				Sapling/shrub – Woody plants less than 3 in. DBH				
11.				and greater than or equal to 3.28 ft (1 m) tall.				
12.			<u> </u>	Harb All back account (non-weak) plants recording				
	100	=Total Cover	<u> </u>	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
Woody Vine Stratum (Plot size: 30')		!						
1.				Woody vines – All woody vines greater than 3.28 ft in height.				
2.								
3.				Hydrophytic				
4.				Vegetation Present? Yes X No				
		=Total Cover						
Remarks: (Include photo numbers here or on a separ								
remarks. (include prioto numbers here of on a separ	ale sileel.)							

Sampling Point:

Wet P2-J

SOIL Sampling Point: Wet P2-J

Profile Descr Depth	ription: (Describe to Matrix	the de		ment the		tor or co	nfirm the absence of	indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	F	Remarks	3
0-2	10YR 2/2	98	10YR 4/6	2	С	PL	Loamy/Clayey	Prominent re	dox co	ncentrations
2-16	10YR 5/1	80	10YR 5/6	10	С	M	Loamy/Clayey	Prominent re	dox co	ncentrations
			10YR 5/8	5	С	М		Prominent re	dox co	ncentrations
			10YR 5/3	10	С	М		Distinct rec	lox con	centrations
	-									
¹ Type: C=Col Hydric Soil Ir		tion, RM	=Reduced Matrix, MS	3=Mask	ed Sand	Grains.		L=Pore Lining, Nor Problematic		
Histosol (Dark Surface (S	37)				ick (A10) (LRR I	•	
Histic Epi	pedon (A2)		Polyvalue Belov	v Surfac	ce (S8) (I	RR R,	Coast Prairie Redox (A16) (LRR K, L, R)			
	Black Histic (A3) MLRA 149B)							icky Peat or Pea	t (S3) (I	LRR K, L, R)
	Sulfide (A4)		Thin Dark Surfa					e Below Surface		
	Layers (A5)	(044)	High Chroma S				Thin Dark Surface (S9) (LRR K, L)			
	Below Dark Surface k Surface (A12)	(A11)	Loamy Mucky N Loamy Gleyed I			K K, L)	Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B)			
	odic (A17)		X Depleted Matrix		-2)		Red Parent Material (F21) (outside MLRA 1456)			
	A 144A, 145, 149B)		Redox Dark Su		6)			allow Dark Surfa		
•	ucky Mineral (S1)		Depleted Dark S	•	•			xplain in Remarl		,
	eyed Matrix (S4)		Redox Depress	ions (F8	3)			•	,	
Sandy Re	edox (S5)		Marl (F10) (LRF	₹ K, L)			³ Indicators of hydrophytic vegetation and			
Stripped I	Matrix (S6)		Red Parent Mat	terial (F2	21) (MLF	RA 145)		nd hydrology mus		
Postrictive I	ayer (if observed):						unless	s disturbed or pro	blemat	ic.
Type:	ayer (ii observeu).									
Depth (in	ches):						Hydric Soil Preser	nt? Yes	X	No
Remarks:							•			
İ										