**VEGETATION** – Use scientific names of plants. Sampling Point: CB-2 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** 1. Number of Dominant Species 2. That Are OBL, FACW, or FAC: 3. Total Number of Dominant 4. Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 100.0% (A/B) Prevalence Index worksheet: Total % Cover of: =Total Cover Multiply by: Sapling/Shrub Stratum (Plot size: 15 ) OBL species **FACW** species 160 x 2 = 1. 70 **FACW** 320 Cornus sericea Yes 2. FAC species 0 x 3 = 0 3. **FACU** species x 4 = 4. UPL species x 5 = 5. Column Totals: 160 320 (B) 6. Prevalence Index = B/A = 2.00 7. **Hydrophytic Vegetation Indicators:** 70 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: X 2 - Dominance Test is >50% Onoclea sensibilis Yes **FACW** X 3 - Prevalence Index is ≤3.0<sup>1</sup> 20 Yes **FACW** 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2 Equisetum data in Remarks or on a separate sheet) 3. Phragmites australis 30 Yes **FACW** 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree – Woody plants 3 in. (7.6 cm) or more in 9. diameter at breast height (DBH), regardless of height. 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 90 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: Woody vines - All woody vines greater than 3.28 ft in height. 2. Hydrophytic 3. Vegetation No \_\_ Present? Yes x =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

US Army Corps of Engineers

SOIL Sampling Point CB-2

	•	the de	=			ator or co	onfirm the absence of i	ndicators.)
Depth	Matrix	0/		x Featur		12	Tarakana	Demonstra
(inches)	Color (moist)	%	Color (moist)		Type	Loc <sup>2</sup>	Texture	Remarks
0-16	10yr 3/1	80	7.5yr 5/6	20			Loamy/Clayey	Prominent
								_
								_
1- 2.0							21 (22.2.17)	
	ncentration, D=Deple	tion, KN	i=Reduced Matrix, N	∕IS=Mas	sked San	d Grains.		Pore Lining, M=Matrix.  Problematic Hydric Soils <sup>3</sup> :
Hydric Soil II Histosol (			Polyvalue Belo	w Surfa	200 (S8) (	IDDR		(A10) (LRR K, L, MLRA 149B)
	pedon (A2)		MLRA 149B		106 (00) (i	LIXIX IX,		rie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surfa	,	) (LRR R	. MLRA		sy Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I					Surface (S9) (LRR K, L)
	Below Dark Surface (	(A11)	Loamy Gleyed		(F2)			anese Masses (F12) ( <b>LRR K, L, R</b> )
	rk Surface (A12)		X Depleted Matri					Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		X Redox Dark Su					dic (TA6) (MLRA 144A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark					t Material (F21)
	edox (S5) Matrix (S6)		Redox Depress Marl (F10) (LR		0)			ow Dark Surface (F22) olain in Remarks)
Dark Surf				.1X 1X; —,			0(_,,,	
	(= )							
<sup>3</sup> Indicators of	hydrophytic vegetatio	n and w	etland hydrology mu	ust be p	resent, u	nless dist	turbed or problematic.	
	ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Present	? Yes <u>X</u> No
Remarks:								



Wetland CB- View facing east



Wetland CB- Soils

Segment 10 – Package 6

# **SITE PHOTOGRAPHS**

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

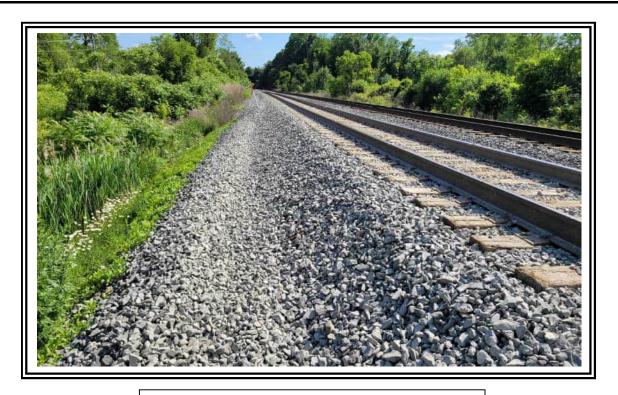
Project/Site: CHPE	City/County: New Baltimore/Green Sampling Date: 6.15.22
Applicant/Owner: TDI	State: NY Sampling Point: CB Upl
Investigator(s): John Greaves & Chris Einstein	Section, Township, Range:
- ' '	relief (concave, convex, none): Convex Slope %: 50
Subregion (LRR or MLRA): LRR R Lat: 42,450073	Long: -73.813190 Datum: NAD83
Soil Map Unit Name: RhA, RhB, RhC, RhD - Riverhead loam	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 disturb	
Are Vegetation , Soil , or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydrophytic Vegetation Present?  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 here or in a separate report.)	
Railroad embankment.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	
High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)  ———————————————————————————————————	Dry-Season Water Table (C2)
Water Marks (B1)  Hydrogen Sulfide Odor (	
Sediment Deposits (B2)  Oxidized Rhizospheres of	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3)  Presence of Reduced Iro	——————————————————————————————————————
Algal Mat or Crust (B4)  Recent Iron Reduction ir	
Iron Deposits (B5)  Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7)  Other (Explain in Remar	<del></del>
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
<u> </u>	
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No _X
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Describe Necorded Data (Stream gauge, monitoring well, aerial priotos, pre	inous inspections), il avaliable.
Remarks:	
1	

 VEGETATION – Use scientific names of plants.
 Sampling Point:
 CB Upl

Tree Stratum (Plot size:30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3				Total Number of Dominant Species Across All Strata:4 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:25.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0
1. Acer negundo	5	Yes	FAC	FACW species 15 x 2 = 30
2. Rhus typhina	5	Yes	UPL	FAC species 5 x 3 = 15
3.				FACU species30 x 4 =120
4.				UPL species 45 x 5 = 225
5.				Column Totals: 95 (A) 390 (B)
6.				Prevalence Index = B/A = 4.11
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
   <u>Herb Stratum</u> (Plot size: 5 )				2 - Dominance Test is >50%
1. Solidago canadensis	30	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Artemisia vulgaris	25	Yes	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
Phragmites australis	15	No	FACW	data in Remarks or on a separate sheet)
Leucanthemum vulgare	15	No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<u> </u>
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
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				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:) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				noight.
3.				Hydrophytic
				Vegetation   Present?
4		-Tatal Cause		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sneet.)			

SOIL Sampling Point CB Upl

		the dep				tor or co	nfirm the absence of ind	icators.)
•						1 2	Taydyna	Domonika
Depth (inches)	Matrix Color (moist)	%		x Featur %			Texture	Remarks
			_					
	ncentration, D=Deple	tion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.		ore Lining, M=Matrix.
Black His Hydroger Stratified Depleted Thick Dai Sandy Mi Sandy Gl Sandy Re Stripped	A1) pedon (A2) tic (A3) s Sulfide (A4) Layers (A5) Below Dark Surface k Surface (A12) ucky Mineral (S1) eyed Matrix (S4) edox (S5) Matrix (S6) face (S7)		Polyvalue Belo MLRA 149B Thin Dark Surfi High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	) ace (S9) Sands (S Mineral Matrix ( x (F3) urface (F Surface sions (F8 R K, L)	(LRR R, 611) (LRF (F1) (LRF F2) (6) (F7)	, MLRA 1: R K, L) R K, L)	2 cm Muck (A Coast Prairie 49B) 5 cm Mucky I Polyvalue Be Thin Dark Su Iron-Mangane Piedmont Flo Mesic Spodic Red Parent M Very Shallow Other (Explai	oblematic Hydric Soils <sup>3</sup> : A10) (LRR K, L, MLRA 149B) Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R) low Surface (S8) (LRR K, L) rface (S9) (LRR K, L) ese Masses (F12) (LRR K, L, R) odplain Soils (F19) (MLRA 149B) (TA6) (MLRA 144A, 145, 149B) Material (F21) Dark Surface (F22) n in Remarks)
	hydrophytic vegetation ayer (if observed):	on and we	etiand nydrology mu	ıst be pr	esent, ur	ness disti	irbed or problematic.	
Type:	ayor (ii oboorvou).							
Depth (in	ches):						Hydric Soil Present?	Yes No _X_
Version 7.0, 2	n is revised from Nort 2015 Errata. (http://wv of railroad ballast.							ield Indicators of Hydric Soils,



**Upland CB- View facing south** 



**Upland CB- Soils** 

Segment 10 – Package 6

# **SITE PHOTOGRAPHS**

#### U.S. Army Corps of Engineers

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

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

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

Project/Site: CHPE - Segment 10 - Package	<b>6</b>	City/County: New Ba	altimore/Greene	Sampling Date: 8/29/23	
Applicant/Owner: TDI			State: NY	Sampling Point: TC-A-35 wet	
Investigator(s): N. Frazer & C. Einstein		Section, To	wnship, Range:	_ ·	
Landform (hillside, terrace, etc.): depression	n Local re	elief (concave, conve		Slope %: 0	
Subregion (LRR or MLRA): LRR R	Lat: 42.451072	•	-73.812411	Datum: WGS84	
Soil Map Unit Name: RhC- Riverhead Ioam		3	NWI classification:		
Are climatic / hydrologic conditions on the site	tunical for this time of year?	Vac v		explain in Remarks.)	
		Yes X	` ` `	,	
Are Vegetation, Soil, or Hydro			nal Circumstances" prese		
Are Vegetation, Soil, or Hydro			d, explain any answers in	,	
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, in	nportant features, etc.	
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea		
Hydric Soil Present?	Yes X No	within a Wetland		No	
Wetland Hydrology Present?	Yes X No	If yes, optional We	etland Site ID:		
Remarks: (Explain alternative procedures he	ere or in a separate report.)				
shrub swamp					
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)	
X Surface Water (A1)	Water-Stained Leaves (B	39)	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	· ·	Crayfish Burrows (0	•	
Sediment Deposits (B2)	Oxidized Rhizospheres or			on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed		
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	X 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 (B	·8)		X FAC-Neutral Test (	D5)	
Field Observations:	The Constant				
Surface Water Present? Yes x	No Depth (inches): _				
Water Table Present? Yes	No x Depth (inches):		- Under the my Dunnant?	Var. V. Na	
Saturation Present? Yes (includes capillary fringe)	No x Depth (inches):	vvetiaii	d Hydrology Present?	Yes <u>X</u> No	
Describe Recorded Data (stream gauge, mo	nitoring well aerial photos prev	vious inspections) if	available.		
Describe recorded Data (Stream gaage, me.	illioning won, donar priotos, pro-	vious irispositorio <sub>j</sub> , ir	available.		
Remarks:					
Adjacent to stream TC-S1					

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

ree Stratum (Plot size: 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Populus deltoides	10	Yes	FAC	Dominance Test Worksheet.
1 opulus delicides	10	163		Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A
				mat Are OBL, FACW, OF FAC
<u> </u>				Total Number of Dominant Species Across All Strata: 6 (E
				Species Across All Strata: 6 (E
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 83.3% (A
<u> </u>	10	=Total Cover		
apling/Shrub Stratum (Plot size: 15' )		- Total Cover		
· · · · · · · · · · · · · · · · · · ·	10	No	EAC	
-		No No	FAC	· <del></del>
Cornus racemosa	50	Yes	FAC	FAC species 110 x 3 = 330
Cornus amomum	15	Yes	FACW	FACU species 10 x 4 = 40
				UPL species 5 x 5 = 25
				Column Totals: 215 (A) 525
				Prevalence Index = B/A = 2.44
				Hydrophytic Vegetation Indicators:
	75	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size:5' )				X 2 - Dominance Test is >50%
Eutrochium maculatum	35	Yes	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
Lythrum salicaria	15	<u>No</u>	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide suppo
Solidago gigantea	15	No	FACW	data in Remarks or on a separate sheet)
Impatiens capensis	5	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Cornus racemosa	40	Yes	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology mu
Eupatorium rugosum	5	No	FACU	be present, unless disturbed or problematic.
Onoclea sensibilis	5	No	FACW_	Definitions of Vegetation Strata:
Rhus glabra	5	No	UPL	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. DB
l				and greater than or equal to 3.28 ft (1 m) tall.
2.				Hart All back as a conformation of a large
	125	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size: 30' )		•		
Vitis labrusca	5	Yes	FACU	<b>Woody vines</b> – All woody vines greater than 3.28 height.
				Hydrophytic
				Vegetation Present? Yes X No
<u> </u>	5	=Total Cover		
	<u> </u>	- Fotal Cover		

SOIL Sampling Point TC-A-35 wet

		o the de	-			ator or co	onfirm the absence of	f indicators.)
Depth	Matrix	0/		K Featur		1 2	Tarahama	Demonto
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-11	10YR 5/2	80	10YR 5/6		<u> </u>	M	Loamy/Clayey	Prominent redox concentrations
11-17	10YR 5/1	80	10YR 5/4	10	<u>C</u>	M	Loamy/Clayey	Distinct redox concentrations
			10YR 6/6	10	C	M		Prominent redox concentrations
		etion, RI	M=Reduced Matrix, M	IS=Masl	ked Sand	d Grains.		L=Pore Lining, M=Matrix.
Hydric Soil II Histosol (			Dark Surface (	S7)				or Problematic Hydric Soils <sup>3</sup> : ck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Polyvalue Belo		ce (S8) (	LRR R.		rairie Redox (A16) (LRR K, L, R)
Black His			MLRA 149B)		(00) (	,		icky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		Thin Dark Surfa		(LRR R	, MLRA 1		e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		High Chroma S	ands (S	311) ( <b>LR</b> I	R K, L)	Thin Dar	k Surface (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	(A11)	Loamy Mucky I	Mineral	(F1) ( <b>LR</b>	R K, L)	Iron-Man	nganese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Dai	rk Surface (A12)		Loamy Gleyed	Matrix (	F2)		Piedmon	t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
I —	odic (A17)		X Depleted Matrix					ent Material (F21) (outside MLRA 145)
-	A 144A, 145, 149B)		Redox Dark Su					allow Dark Surface (F22)
I —	ucky Mineral (S1)		Depleted Dark				Other (Ex	xplain in Remarks)
	eyed Matrix (S4)		Redox Depress	•	3)		31	un af haadan ahadin aan ahadin aan d
	edox (S5) Matrix (S6)		Marl (F10) ( <b>LR</b> l Red Parent Ma		24) (MI E	DA 145\		rs of hydrophytic vegetation and dhydrology must be present,
Suipped	Matrix (30)		Red Parent Ma	ienai (F	∠ 1) (IVILI	(A 140)		d flydrology flidst be present, sidisturbed or problematic.
Restrictive L	ayer (if observed):							
Type:	none	e						
Depth (in	ches):						Hydric Soil Presen	nt? Yes X No No
Remarks:							!	
Remarks:								



Wetland TC-A-35- View facing east



Wetland TC-A-35- Soils

Segment 10-Package 6

# **SITE PHOTOGRAPHS**

#### U.S. Army Corps of Engineers

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

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

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

Project/Site: CHPE - Segment 10 - Package	e 6	City/County: New Ba	altimore/Greene	Sampling Date: 8/29/23		
Applicant/Owner: TDI			State: NY	Sampling Point: TC-A-35 & 36 upl		
Investigator(s): N. Frazer & C. Einstein		Section, To	wnship, Range:	<u> </u>		
Landform (hillside, terrace, etc.): hillslope	Local re	elief (concave, conve		Slope %: 3		
Subregion (LRR or MLRA): LRR R	Lat: 42.451295	•	-73.812624	 Datum: WGS84		
Soil Map Unit Name: RhC-Riverhead loam			NWI classification:	<del></del>		
Are climatic / hydrologic conditions on the site	e typical for this time of year?	Yes x		explain in Remarks.)		
			<u> </u>	,		
Are Vegetation, Soil, or Hydro			nal Circumstances" pres	<del></del>		
Are Vegetation, Soil, or Hydro			d, explain any answers ir	•		
SUMMARY OF FINDINGS – Attach	site map showing sam	pling point loca	tions, transects, in	nportant features, etc.		
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled A	rea			
Hydric Soil Present?	Yes No X	within a Wetland	? Yes	No X		
Wetland Hydrology Present?	Yes No X	If yes, optional We	tland Site ID:			
Remarks: (Explain alternative procedures h	ere or in a separate report.)					
Power line ROW-recently mowed						
HYDROLOGY						
Wetland Hydrology Indicators:				minimum of two required)		
Primary Indicators (minimum of one is requi			Surface Soil Crack			
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	· ·		
— Water Marks (B1)	Hydrogen Sulfide Odor (C	=	Crayfish Burrows (	,		
Sediment Deposits (B2)	Oxidized Rhizospheres of	= : :		on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron	` '	Stunted or Stresse	· ·		
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	Geomorphic Position	` ,		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard ([	•		
Inundation Visible on Aerial Imagery (B7	·	(S)	Microtopographic F			
Sparsely Vegetated Concave Surface (E	38)		FAC-Neutral Test (	(D5)		
Field Observations:	5 u ( )					
Surface Water Present? Yes	No x Depth (inches):					
Water Table Present? Yes	No x Depth (inches):			Y - No V		
Saturation Present? Yes	No x Depth (inches):	Wetian	d Hydrology Present?	Yes No _X_		
(includes capillary fringe)  Describe Recorded Data (stream gauge, mo	enitoring well parial photoe pre-	rious inspections) if	available:			
Describe Recorded Data (Stream gauge, me	milloring well, actial priolos, pro-	vious irispections), ii	avaliable.			
Remarks:						

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

<u>Tree Stratum</u> (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0(A)
3. 4.				Total Number of Dominant Species Across All Strata: 2 (B)
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
-		-		Prevalence Index worksheet:
<i>1.</i>		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' )		•		OBL species 0 x 1 = 0
1				FACW species 2 x 2 = 4
2.				FAC species 1 x 3 = 3
2				FACU species 12 x 4 = 48
1				UPL species 35 x 5 = 175
		-		Column Totals: 50 (A) 230 (B)
6				Prevalence Index = B/A = 4.60
7	-			Hydrophytic Vegetation Indicators:
1.	-	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )	-	·		2 - Dominance Test is >50%
1. Artemisia vulgaris	35	Yes	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Onoclea sensibilis	2	No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
Solidago canadensis	5	No No	FACU	data in Remarks or on a separate sheet)
Oxalis stricta	2	No No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.			FACU	Froblematic Hydrophytic Vegetation (Explain)
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7	-			Definitions of Vegetation Strata:
8.		-		Deminions of Vegetation Strata.
9.	-			Tree – Woody plants 3 in. (7.6 cm) or more in
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				<b>Herb</b> – All herbaceous (non-woody) plants, regardless
	44	=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
Parthenocissus quinquefolia	5	Yes	FACU	height.
2. Clematis virginiana	1	No	FAC	
3.	ī			Hydrophytic Vegetation
4				Present? Yes No X
	6	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			•

Sampling Point: TC-A-35 & 36 upl

SOIL Sampling Point TC-A-35 & 36 upl

Profile Desc	ription: (Describe t	o the de	pth needed to docu	ıment t	he indica	tor or co	onfirm the absence of indicators.)	
Depth	Matrix		Redo	x Featu	res			
(inches)	Color (moist)	%	Color (moist)	_ %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks	
0-3	10YR 2/1	100					Loamy/Clayey	
3-11	10YR 5/3	100					Loamy/Clayey	
11-15	10YR 5/4	100					Loamy/Clayey	
								_
								—
								—
								—
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RM	1=Reduced Matrix, N	1S=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.	
Hydric Soil I	ndicators:						Indicators for Problematic Hydric Soils <sup>3</sup> :	
Histosol	(A1)		Dark Surface (	,			2 cm Muck (A10) ( <b>LRR K, L, MLRA 149B</b> )	
	ipedon (A2)		Polyvalue Belo		ce (S8) (I	LRR R,	Coast Prairie Redox (A16) (LRR K, L, R)	
Black His			MLRA 149B	,			5 cm Mucky Peat or Peat (S3) (LRR K, L, R	()
	n Sulfide (A4)		Thin Dark Surf					
	Layers (A5)	(8.4.4)	High Chroma S	-			Thin Dark Surface (S9) (LRR K, L)	_,
	Below Dark Surface	e (A11)	Loamy Mucky			R K, L)	Iron-Manganese Masses (F12) (LRR K, L, F	
	rk Surface (A12)		Loamy Gleyed		(F2)		Piedmont Floodplain Soils (F19) (MLRA 149	-
	oodic (A17)		Depleted Matri		-6)		Red Parent Material (F21) (outside MLRA 1	145)
,	A 144A, 145, 149B)		Redox Dark Su				Very Shallow Dark Surface (F22) Other (Explain in Remarks)	
	lucky Mineral (S1) leyed Matrix (S4)		Depleted Dark Redox Depress				Other (Explain in Remarks)	
	edox (S5)		Marl (F10) ( <b>LR</b>		•		<sup>3</sup> Indicators of hydrophytic vegetation and	
	` '					24.45		
Stripped	Matrix (S6)		Red Parent Ma	iteriai (F	·21) (IVILF	KA 145)	wetland hydrology must be present, unless disturbed or problematic.	
Restrictive I	ayer (if observed):							
Type: _	none	е						
Depth (ir	nches):						Hydric Soil Present? Yes No _X	
Remarks:								
Remarks:								



Upland TC-A-35 and 36- View facing north



Upland TC-A-35 and 36- Soils

Segment 10-Package 6

**SITE PHOTOGRAPHS** 

#### U.S. Army Corps of Engineers

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

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

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

Project/Site: CHPE - Segment 10 - Package	e 6	City/County: New Ba	altimore/Greene	Sampling Date: 8/29/23
Applicant/Owner: TDI			State: NY	Sampling Point: TC-A-36 wet
Investigator(s): N. Frazer & C. Einstein		Section, To	wnship, Range:	
Landform (hillside, terrace, etc.): depressio	on Local re	elief (concave, conve	x, none): concave	Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 42.451351	•	-73.812578	Datum: WGS84
Soil Map Unit Name: RhC-Riverhead loam		5	NWI classification:	<del></del>
Are climatic / hydrologic conditions on the site	tunical for this time of year?	Yes x		explain in Remarks.)
			` `	,
Are Vegetation, Soil, or Hydro	<del></del>		nal Circumstances" prese	
Are Vegetation, Soil, or Hydro			d, explain any answers in	•
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, in	nportant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea	
Hydric Soil Present?	Yes X No	within a Wetland	? Yes X	No
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID:	
Remarks: (Explain alternative procedures he				
shalow emergent marsh in the powerline RO	)W			
LIVEROLOGY				
HYDROLOGY				
Wetland Hydrology Indicators:				minimum of two required)
Primary Indicators (minimum of one is requir			Surface Soil Cracks	
X 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)	24)	Dry-Season Water	
Water Marks (B1)	Hydrogen Sulfide Odor (C		Crayfish Burrows (C	•
Sediment Deposits (B2)	Oxidized Rhizospheres of			on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	` '	Stunted or Stressed	
Algal Mat or Crust (B4)	Recent Iron Reduction in Thin Muck Surface (C7)	Thea Sons (Co)	X Geomorphic Position	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7		<b>(0)</b>	Shallow Aquitard (E Microtopographic R	·
Sparsely Vegetated Concave Surface (B	·—	as)	X FAC-Neutral Test (I	` '
Field Observations:				D3)
Surface Water Present? Yes x	No Depth (inches):	0.5		
Water Table Present? Yes	No x Depth (inches):	0.5		
Saturation Present? Yes x	No Depth (inches):	 8 Wetlan	d Hydrology Present?	Yes X No
(includes capillary fringe)	100 Dopar (monos)		a riyarology i rosonc.	165 / 110
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, prev	vious inspections), if	available:	
, , ,	, , ,	,		
Remarks:				
adjacent to stream TC-S1				

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

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
·		·		Number of Dominant Species
				That Are OBL, FACW, or FAC:3(A)
		· ——		Total Number of Dominant
l				Species Across All Strata: 3 (B)
5				Percent of Dominant Species
S				That Are OBL, FACW, or FAC: 100.0% (A/B
·				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')				OBL species81 x 1 =81
. Cornus racemosa	5	Yes	<u>FAC</u>	FACW species 27 x 2 = 54
				FAC species 5 x 3 = 15
				FACU species 0 x 4 = 0
				UPL species 0 x 5 = 0
j				Column Totals: 113 (A) 150 (B
·				Prevalence Index = B/A = 1.33
·				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size:5' )				X 2 - Dominance Test is >50%
. Eutrochium maculatum	10	No	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
Eupatorium perfoliatum	15	No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3Typha angustifolia	50	Yes	OBL	data in Remarks or on a separate sheet)
Onoclea sensibilis	5	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Impatiens capensis	5	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
S. Verbena hastata	2	No	FACW	be present, unless disturbed or problematic.
. Alisma plantago-aquatica	1	No	OBL	Definitions of Vegetation Strata:
3. Lythrum salicaria	20	Yes	OBL	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.				
	108	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
<u>Voody Vine Stratum</u> (Plot size: 30' )		•		
·				<b>Woody vines</b> – All woody vines greater than 3.28 ft i height.
				noight.
				Hydrophytic
·				Vegetation Present? Yes X No
·		T-1-1 0		Present: Tes_ANO
		=Total Cover		

SOIL Sampling Point TC-A-36 wet

	•	o the de	-			ator or co	onfirm the absence of	f indicators.)
Depth (inches)	Matrix Color (moist)	0/:		x Featur		Loc <sup>2</sup>	Toyturo	Pomorko
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	LOC	Texture	Remarks
0-3	10YR 2/1	100					Loamy/Clayey	
3-16	10YR 5/1	80	10YR 5/6	_20	C	M	Loamy/Clayey	Prominent redox concentrations
<sup>1</sup> Type: C=Co	ncentration, D=Deple	etion, RI	M=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.
Hydric Soil Ir	ndicators:						Indicators fo	or Problematic Hydric Soils <sup>3</sup> :
Histosol (	A1)		Dark Surface (	S7)			2 cm Mu	ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epi	pedon (A2)		Polyvalue Belo	w Surfa	ce (S8) (	LRR R,	Coast Pr	rairie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			MLRA 149B	•				cky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	Sulfide (A4)		Thin Dark Surf		-			e Below Surface (S8) ( <b>LRR K, L</b> )
	Layers (A5)		High Chroma S					k Surface (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	(A11)	Loamy Mucky			R K, L)		nganese Masses (F12) ( <b>LRR K, L, R</b> )
	k Surface (A12)		Loamy Gleyed		F2)			nt Floodplain Soils (F19) (MLRA 149B)
I —	odic (A17)		X Depleted Matri		.0)			ent Material (F21) (outside MLRA 145)
-	A 144A, 145, 149B)		Redox Dark Su		-			allow Dark Surface (F22)
I —	ucky Mineral (S1)		Depleted Dark				Other (E.	xplain in Remarks)
Sandy Re	eyed Matrix (S4)		Redox Depress Marl (F10) (LR	•	5)		<sup>3</sup> Indicato	rs of hydrophytic vegetation and
	Matrix (S6)		Red Parent Ma		21) (MI E	PA 145)		d hydrology must be present,
	Watrix (OO)		TCGT architime	itoriai (i	21) (IVILI	VA 140)		disturbed or problematic.
Restrictive L	ayer (if observed):							a distance of problematic
Type:	none	)						
Depth (in	ches).						Hydric Soil Preser	nt? Yes X No
							Tryuno Con Frescr	<u> </u>
Remarks: Remarks:								
Remarks.								



Wetland TC-A-36- View facing south



Wetland TC-A-36- Soils

Segment 10-Package 6

# **SITE PHOTOGRAPHS**

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

Project/Site: CHPE Package 6	City/County: Ravena Sampling Date: 11/30/21
Applicant/Owner: CHA	State: NY Sampling Point: DB-2
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.):	relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.44856	Long: -73.81367 Datum: NAD83
Soil Map Unit Name:	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 No , Soil N , or Hydrology N significantly disturb	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation N, Soil N, or Hydrology N naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes 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 DB	
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	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor ( Sediment Deposits (B2) Oxidized Rhizospheres of	
Drift Deposits (B3)  X Presence of Reduced Iron	
Algal Mat or Crust (B4)  Recent Iron Reduction in	
Iron Deposits (B5)  Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7)  Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	<del></del>
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes X No Depth (inches):	<u>8</u>
Saturation Present? Yes X No Depth (inches):	<u>4</u> Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

**VEGETATION** – Use scientific names of plants. Sampling Point: DB-2 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** 1. Number of Dominant Species 2. That Are OBL, FACW, or FAC: 3. Total Number of Dominant 4. Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 100.0% (A/B) Prevalence Index worksheet: Total % Cover of: =Total Cover Multiply by: Sapling/Shrub Stratum (Plot size: 15 ) OBL species **FACW** species 120 x 2 = 1. Cornus alba 20 **FACW** 240 Yes 2. FAC species 0 x 3 = 0 3. **FACU** species x 4 = 4. UPL species x 5 = 5. Column Totals: 120 240 (B) 6. Prevalence Index = B/A = 2.00 7. **Hydrophytic Vegetation Indicators:** 20 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: X 2 - Dominance Test is >50% Phragmites australis **FACW** X 3 - Prevalence Index is ≤3.0<sup>1</sup> 2. 30 Yes **FACW** 4 - Morphological Adaptations<sup>1</sup> (Provide supporting Juncus data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 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. 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: Woody vines - All woody vines greater than 3.28 ft in height. 2. Hydrophytic 3. Vegetation No \_\_ Present? Yes x =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point DB-2

		the depth				itor or co	onfirm the absence of i	ndicators.)	
Depth	Matrix			x Featur		12	Tarabasa	Damada	
(inches)	Color (moist)	%	Color (moist)		Type	Loc <sup>2</sup>	Texture	Remarks	
0-16	10yr 4/2	75	10yr 4/6	25			Sandy	Prominent	
	_		_						
			_						
<del></del>							<del></del> _		
	ncentration, D=Deple	tion, RM=R	educed Matrix, I	MS=Mas	ked San	d Grains.		Pore Lining, M=Matrix.	
Hydric Soil Ir								Problematic Hydric Soils <sup>3</sup> :	
Histosol (	· ·		_Polyvalue Beld		ce (S8) (I	LRR R,		(A10) (LRR K, L, MLRA 149E	
	pedon (A2)		MLRA 149B	,				rie Redox (A16) (LRR K, L, R)	
Black His			_Thin Dark Surf					y Peat or Peat (S3) (LRR K, L	
	Sulfide (A4)		_High Chroma S					Below Surface (S8) (LRR K, L	)
	Layers (A5)	(444)	Loamy Mucky			K K, L)		Surface (S9) (LRR K, L)	<b>-</b> \
	Below Dark Surface (	(A11)	Loamy Gleyed		F2)			anese Masses (F12) ( <b>LRR K, I</b>	
	k Surface (A12)		_ Depleted Matr		<b>C</b> \			Floodplain Soils (F19) ( <b>MLRA</b>	
	ucky Mineral (S1)		Redox Dark Si					dic (TA6) ( <b>MLRA 144A, 145, 1</b> t Meterial (E31)	<b>49D</b> )
x Sandy Re	eyed Matrix (S4)		Depleted Dark Redox Depres					t Material (F21) ow Dark Surface (F22)	
? Stripped !			_Redox Deples Marl (F10) ( <b>LR</b>		))			lain in Remarks)	
Dark Surf				. ( , ∟)			Other (Exp	iam in Remarks)	
Bark Guir	ace (01)								
<sup>3</sup> Indicators of	hydrophytic vegetatio	n and wetla	nd hydrology m	ust be pr	esent, ui	nless dist	urbed or problematic.		
	ayer (if observed):		, 0,	'			,		
Type:	,								
Depth (inc	ches):						Hydric Soil Present	? Yes <u>X</u> No	
Remarks:									



Wetland DB- View facing east



**Wetland DB- Soils** 

Segment 10 – Package 6

# **SITE PHOTOGRAPHS**

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

Project/Site: CHPE Package 6	City/County: Ravena Sampling Date: 11/29/2021
Applicant/Owner: CHA	State: NY Sampling Point: DB Upland
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
	al relief (concave, convex, none):  Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.44884	Long: -73.81356 Datum: NAD83
Soil Map Unit Name:	NWI classification: Upland
Are climatic / hydrologic conditions on the site typical for this time of year?	<del></del>
Are Vegetation, Soil, or Hydrologysignificantly distr	
Are Vegetation, Soil, or Hydrologynaturally problem	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	mpling 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	within a Wetland? Yes No _X_
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves	
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 Odol	· · ·
Sediment Deposits (B2)  Oxidized Rhizospheres	<u> </u>
Drift Deposits (B3)  Presence of Reduced	
Algal Mat or Crust (B4)  Recent Iron Reduction	
Iron Deposits (B5)  Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rema	arks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches	3):
Water Table Present? Yes No X Depth (inches	
Saturation Present? Yes No X Depth (inches	
(includes capillary fringe)	· <del></del>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	previous inspections), if available:
Remarks:	

## **VEGETATION** – Use scientific names of plants. Sampling Point:

<u>Tree Stratum</u> (Plot size:	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Quercus rubra	40	Yes	FACU	Number of Dominant Species
2. Acer saccharinum	40	Yes	FACU	That Are OBL, FACW, or FAC:1 (A)
3		-		Total Number of Dominant
4				Species Across All Strata: 5 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 20.0% (A/B)
7				Prevalence Index worksheet:
	80	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0
1. Lonicera spp.	20	Yes	FAC	FACW species 0 x 2 = 0
2. Rhamnus cathartica	25	Yes	FACU	FAC species 20 x 3 = 60
3				FACU species 135 x 4 = 540
4				UPL species0 x 5 =0
5				Column Totals: 155 (A) 600 (B)
6.				Prevalence Index = B/A = 3.87
7				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)		-		2 - Dominance Test is >50%
1. Solidago spp.	30	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2.				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
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.				Hawk All barbassaya (non woody) planta regardless
	30	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: )		-		Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)	•		
( (	,			

DB Upland

SOIL Sampling Point DB Upland

	ription: (Describe to	o the de				itor or co	onfirm the absence of indicators	.)
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4	10yr 2/1	100					Loamy/Clayey	
4-9	10yr 4/3	100					Loamy/Clayey	
9-16	10yr 3/2						Loamy/Clayey	
								_
							-	_
<sup>1</sup> Type: C=Co	oncentration, D=Deple	etion, RN	/I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	<sup>2</sup> Location: PL=Pore Linir	ng, M=Matrix.
Hydric Soil					.=		Indicators for Problema	•
— Histosol			Polyvalue Belo		ce (S8) (I	LRR R,		RR K, L, MLRA 149B)
Black Hi	oipedon (A2)		MLRA 149B Thin Dark Surf	•	(I PP P	MI PA 1		(A16) (LRR K, L, R) Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					face (S8) ( <b>LRR K, L</b> )
	Layers (A5)		Loamy Mucky			-	Thin Dark Surface (S	
	d Below Dark Surface	(A11)	Loamy Gleyed			, ,		sses (F12) ( <b>LRR K, L, R</b> )
	ark Surface (A12)	, ,	Depleted Matri		,			Soils (F19) ( <b>MLRA 149B</b> )
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spodic (TA6)	(MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material	(F21)
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very Shallow Dark S	
	Matrix (S6)		Marl (F10) ( <b>LR</b>	<b>R</b> K, L)			Other (Explain in Re	marks)
Dark Sui	face (S7)							
<sup>3</sup> Indicators of	f hydrophytic vegetation	on and v	vetland hydrology mi	ust be pr	esent. ur	nless dist	urbed or problematic.	
	_ayer (if observed):							
Туре:								
Depth (ir	nches):						Hydric Soil Present?	Yes No_X_
Remarks:								



**Upland DB- View facing south** 



**Upland DB- Soils** 

Segment 10 – Package 6

# **SITE PHOTOGRAPHS**

#### U.S. Army Corps of Engineers

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

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

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

Project/Site: CHPE - Segment 10 - Package 6	City/County: New Baltimore/Greene	Sampling Date: 8/29/23
Applicant/Owner: TDI	State: NY	Sampling Point: TC-C-7 wet
Investigator(s): N. Frazer & C. Einstein	Section, Township, Range:	
Landform (hillside, terrace, etc.): depression Local	al relief (concave, convex, none): none	Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42.447963	Long: -73.813414	 Datum: WGS84
Soil Map Unit Name: RhC- Riverhead loam	NWI classification:	PFO
Are climatic / hydrologic conditions on the site typical for this time of year	? Yes x No (If no, e	explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly dist	<del></del>	,
Are Vegetation , Soil , or Hydrology naturally problem		<del></del>
<del>_</del> <del>_</del> _		•
SUMMARY OF FINDINGS – Attach site map showing sa	impling point locations, transects, im	portant teatures, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area	
Hydric Soil Present? Yes X No	within a Wetland? Yes X	No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in a separate report.)		
HYDROLOGY		
Wetland Hydrology Indicators:	Secondary Indicators (m	ninimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks	(B6)
Surface Water (A1) Water-Stained Leaves	s (B9) Drainage Patterns (B	B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B1	16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water T	Γable (C2)
Water Marks (B1) Hydrogen Sulfide Odo	or (C1) Crayfish Burrows (C	8)
<del></del>		n Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced		
Algal Mat or Crust (B4)Recent Iron Reduction	· / —	` '
Iron Deposits (B5) Thin Muck Surface (C		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem		
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D	)5)
Field Observations:		
Surface Water Present? Yes No _x Depth (inches	<del></del>	
Water Table Present? Yes No x Depth (inches Saturation Present? Yes No x Depth (inches		
	s): Wetland Hydrology Present?	YesX No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	previous inspections), it available:	
Remarks:		

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

<b>EGETATION</b> – Use scientific names of pla				Sampling Point: TC-C-7	WEL
Γ <u>ree Stratum</u> (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
. Salix alba	90	Yes	FACW	Number of Dominant Species	
2.				That Are OBL, FACW, or FAC: 4	(A)
3.				Total Number of Dominant	
l				Species Across All Strata: 5	_(B)
5.				Percent of Dominant Species	
S				That Are OBL, FACW, or FAC: 80.0%	_(A/B)
7				Prevalence Index worksheet:	
	90	=Total Cover		Total % Cover of: Multiply by:	_
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0	_
1. Rhamnus cathartica	15	Yes	FAC	FACW species 170 x 2 = 340	
2. Lindera benzoin	20	Yes	FACW	FAC species 25 x 3 = 75	
3				FACU species 20 x 4 = 80	
4.				UPL species 0 x 5 = 0	
5.				Column Totals: 215 (A) 495	(B)
3.				Prevalence Index = B/A = 2.30	_
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. Impatiens pallida	55	Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>	
2. Toxicodendron radicans	10	No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide sup	portin
3. Lindera benzoin	5	No	FACW	data in Remarks or on a separate sheet)	
4. Lonicera tatarica	5	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Expla	ain)
5.				<sup>1</sup> Indicators of hydric soil and wetland hydrology	muet
6.				be present, unless disturbed or problematic.	Hiusi
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 h	neight.
10.				Sapling/shrub – Woody plants less than 3 in. D	
11.				and greater than or equal to 3.28 ft (1 m) tall.	ווטל
12.				Hawh All harbacoous (non woody) plants regs	-rdlace
	75	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, rega of size, and woody plants less than 3.28 ft tall.	เเดเษอ
Woody Vine Stratum (Plot size: 30' )		•			00 ft iv
1. Vitis aestivalis	15	Yes	FACU	<b>Woody vines</b> – All woody vines greater than 3.2 height.	28 It II
2.		,	· · · · · · · · · · · · · · · · · · ·		
3.				Hydrophytic	
4.	-			Vegetation Present? Yes X No	
T	15	=Total Cover		1100	

SOIL Sampling Point TC-C-7 wet

Profile Desc Depth	ription: (Describe t Matrix	o the de		<b>ument th</b> x Featur		ator or co	onfirm the absence of i	ndicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-2	10YR 2/1	100					Sandy		
2-16	10YR 5/2	80	10YR 5/4	20			Sandy	Distinct redox concentrations	
2-10	10113/2		1018 5/4				Sandy	Distinct redox concentrations	
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RN	/=Reduced Matrix, M	/IS=Masl	ked Sand	d Grains.	<sup>2</sup> Location: PL=	Pore Lining, M=Matrix.	
Hydric Soil I								Problematic Hydric Soils <sup>3</sup> :	
Histosol	(A1)		Dark Surface (	S7)			2 cm Muck	(A10) ( <b>LRR K, L, MLRA 149B</b>	)
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfac	ce (S8) (	LRR R,	Coast Prai	rie Redox (A16) ( <b>LRR K, L, R</b> )	
Black His	stic (A3)		MLRA 149B	)			5 cm Muck	xy Peat or Peat (S3) ( <b>LRR K, L,</b>	R)
	n Sulfide (A4)		Thin Dark Surfa		-			Below Surface (S8) ( <b>LRR K, L</b> )	
	Layers (A5)		High Chroma S					Surface (S9) ( <b>LRR K, L</b> )	
	Below Dark Surface	(A11)	Loamy Mucky			R K, L)	·		
	rk Surface (A12)		Loamy Gleyed		F2)			Floodplain Soils (F19) ( <b>MLRA 1</b>	
	oodic (A17) <b>A 144A, 145, 149B)</b>		Depleted Matri Redox Dark Su		·6)			t Material (F21) <b>(outside MLRA</b> ow Dark Surface (F22)	A 145)
	ucky Mineral (S1)		Depleted Dark		-			lain in Remarks)	
	leyed Matrix (S4)		Redox Depress				Other (Exp	iam in remarko)	
X Sandy R			Marl (F10) ( <b>LR</b>		-,		<sup>3</sup> Indicators	of hydrophytic vegetation and	
	Matrix (S6)		Red Parent Ma		21) <b>(MLF</b>	RA 145)		hydrology must be present,	
							unless d	isturbed or problematic.	
Restrictive L	ayer (if observed):			•					
Type:	none	е							
Depth (in	nches):						Hydric Soil Present	? Yes X No	
Remarks:									
Remarks:									



Wetland TC-C-7- View facing north



Wetland TC-C-7- Soils

Segment 10-Package 6

# **SITE PHOTOGRAPHS**

#### U.S. Army Corps of Engineers

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

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

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

Project/Site: CHPE - Segment 10 - Package 6	City/County	y: New Baltimore/Greene	Sampling Date: 8/29/23				
Applicant/Owner: TDI		State: NY	Sampling Point: TC-C-7 upl				
Investigator(s): N. Frazer & C. Einstein	Se	ection, Township, Range:					
Landform (hillside, terrace, etc.): flat	Local relief (conca	ve, convex, none): none	Slope %: 0				
	42.447859	Long: -73.813325	 Datum: WGS84				
Soil Map Unit Name: RhC- Riverhead loam		NWI classification:					
Are climatic / hydrologic conditions on the site typical for t	his time of year?	Yes x No (If no, e	explain in Remarks.)				
Are Vegetation , Soil , or Hydrology	•	Are "Normal Circumstances" prese	,				
Are Vegetation , Soil , or Hydrology		(If needed, explain any answers in					
SUMMARY OF FINDINGS – Attach site map			•				
Commant of The Indo							
Hydrophytic Vegetation Present? Yes		impled Area					
Hydric Soil Present? Yes		Wetland? Yes	No X				
Wetland Hydrology Present? Yes		tional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a se	eparate report.)						
HYDROLOGY							
Wetland Hydrology Indicators:		Secondary Indicators (m	ninimum of two required)				
Primary Indicators (minimum of one is required; check al	ll that apply)	Surface Soil Cracks	(B6)				
Surface Water (A1) Water	-Stained Leaves (B9)	Drainage Patterns (E	B10)				
<del></del>	ic Fauna (B13)	Moss Trim Lines (B1	16)				
<del></del>	Deposits (B15)	Dry-Season Water T					
<del></del>	gen Sulfide Odor (C1)	Crayfish Burrows (C	,				
	ed Rhizospheres on Living Ro	· · · —	n Aerial Imagery (C9)				
	nce of Reduced Iron (C4)	Stunted or Stressed					
<del></del>	nt Iron Reduction in Tilled Soils						
	Muck Surface (C7)	Shallow Aquitard (D:					
	(Explain in Remarks)	Microtopographic Re	` '				
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D	)5) 				
Field Observations:							
Surface Water Present? Yes No x	Depth (inches):						
Water Table Present?         Yes         No         x           Saturation Present?         Yes         No         x	Depth (inches):	Wetlered Hedrele ve Brees and	V N- V				
	Depth (inches):	Wetland Hydrology Present?	Yes No _X				
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well.	aerial photos previous inspe	ctions) if available:					
Describe Necorded Data (stream gauge, monitoring went	, aeriai priotos, previous irisper	cuons), ii avallable.					
Remarks:							

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

Tree Stratum (Plot size: 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
	65	Yes	FACU	Number of Deminant Sparies
2. Rhamnus cathartica	10	No	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
B. Populus deltoides	15	No	FAC	
				Total Number of Dominant Species Across All Strata: 6 (B)
i				
i.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
				Prevalence Index worksheet:
	90	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' )		•		OBL species 0 x 1 = 0
. Lonicera tatarica	10	Yes	FACU	FACW species 30 x 2 = 60
				FAC species 68 x 3 = 204
				FACU species 100 x 4 = 400
				UPL species 0 x 5 = 0
				Column Totals: 198 (A) 664 (B
				Prevalence Index = B/A = 3.35
·				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )		•		2 - Dominance Test is >50%
Eupatorium rugosum	25	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Geum canadense	10	No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Impatiens pallida	20	Yes	FACW	data in Remarks or on a separate sheet)
L. Lindera benzoin	10	No No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Viola species	8	No No		<u> </u>
<del></del>				<sup>1</sup> 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.				
	73	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 30' )		•		
Clematis virginiana	8	Yes	FAC	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
2. Toxicodendron radicans	25	Yes	FAC	
3.				Hydrophytic
I.				Vegetation Present? Yes No X
	33	=Total Cover		133 <u>~</u>
Remarks: (Include photo numbers here or on a sepa				1
, ,	,			

SOIL Sampling Point TC-C-7 upl

Profile Desc Depth	ription: (Describe t Matrix	to the de		u <mark>ment th</mark> x Feature		ator or co	onfirm the absence of	indicator	rs.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	s
0-2	10YR 2/1	100			<u></u>		Loamy/Clayey			
2-15	10YR 4/2	100					Loamy/Clayey			
2-13	10114/2	100					Loamy/Clayey			
										_
										_
	ncentration, D=Depl	etion, RN	/I=Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.	<sup>2</sup> Location: PL			
Hydric Soil I			<b>5</b> 1 6 6 7	~~\			Indicators fo		-	
— Histosol	` '		Dark Surface (	•	oo (CO) (	I DD D		, , ,	LRR K, L, M	•
Black His	ipedon (A2)		Polyvalue Belo		ce (So) (I	LKK K,			ox (A16) ( <b>LR</b> l or Peat (S3)	(LRR K, L, R)
	n Sulfide (A4)		Thin Dark Surf	,	(LRR R	. MLRA 1		-	urface (S8) (	
	Layers (A5)		High Chroma S		-				(S9) ( <b>LRR K</b>	•
	Below Dark Surface	(A11)	Loamy Mucky	-						(LRR K, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (	F2)	-	Piedmont	t Floodpla	in Soils (F19	) (MLRA 149B)
Mesic Sp	oodic (A17)		Depleted Matri	x (F3)			Red Pare	ent Materia	al (F21) <b>(out</b>	side MLRA 145)
	A 144A, 145, 149B)		Redox Dark Su	-	-				Surface (F2	2)
	ucky Mineral (S1)		Depleted Dark				Other (Ex	oplain in R	temarks)	
	leyed Matrix (S4)		Redox Depress		3)		31			lation and
	edox (S5) Matrix (S6)		Marl (F10) ( <b>LR</b> Red Parent Ma		21) /MI E	OA 14E)		-	ophytic vege gy must be p	
— Stripped	Matrix (30)		Neu Falent Wa	ileriai (i .	21) (IVILI	XA 143)			or problema	
Restrictive L	.ayer (if observed):						unioco	diotarboa	or probleme	
Type:	non	е								
Depth (in	iches):						Hydric Soil Presen	t?	Yes	No X
Remarks:										
Remarks:										



**Upland TC-C-7- View facing east** 



**Upland TC-C-7- Soils** 

Segment 10-Package 6

# **SITE PHOTOGRAPHS**

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

Project/Site: CHPE Package 6	City/County: Ravena Sampling Date: 11/30/21
Applicant/Owner: CHA	State: NY Sampling Point: EB-2
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.):	relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.44473	Long: -73.81344 Datum: NAD83
Soil Map Unit Name:	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?  Yes X No (If no, explain in Remarks.)	
Are Vegetation No , Soil N , or Hydrology N significantly disturt	
Are Vegetation N, Soil N, or Hydrology N naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.	
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	Is the Sampled Area within a Wetland?  If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Wetland EB	
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)	B9) Drainage Patterns (B10)  Moss Trim Lines (B16)
Saturation (A3)  Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)  Hydrogen Sulfide Odor (	·
Sediment Deposits (B2)  Oxidized Rhizospheres of	
Drift Deposits (B3)  X Presence of Reduced Iro	
Algal Mat or Crust (B4)  Recent Iron Reduction in	n Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5)  Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	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 X No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), il avallable.
Remarks:	
Nemans.	

**VEGETATION** – Use scientific names of plants. Sampling Point: EB-2 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** 1. Number of Dominant Species 2. That Are OBL, FACW, or FAC: 3. Total Number of Dominant Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 100.0% (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15 ) OBL species 1. **FACW** species 60 x 2 = 120 2. FAC species 0 x 3 = 0 3. **FACU** species x 4 = 4. **UPL** species x 5 = 5. Column Totals: 60 120 (B) 6. Prevalence Index = B/A = 2.00 7. **Hydrophytic Vegetation Indicators:** =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: X 2 - Dominance Test is >50% Phragmites australis **FACW** X 3 - Prevalence Index is ≤3.0<sup>1</sup> 2. 20 Yes **FACW** 4 - Morphological Adaptations<sup>1</sup> (Provide supporting Juncus data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 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. 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 60 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: Woody vines - All woody vines greater than 3.28 ft in height. 2. **Hydrophytic** 3. Vegetation No \_\_ Present? Yes x =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point EB-2

Profile Description: (Describe to the de				tor or co	onfirm the absence of indicators.)
Depth Matrix		x Feature			
(inches) Color (moist) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
0-16 10yr 4/2 95	10yr 4/6	5			Sandy Prominent
1					2
<sup>1</sup> Type: C=Concentration, D=Depletion, RN	1=Reduced Matrix, M	/IS=Masl	ked Sand	d Grains.	•
Hydric Soil Indicators:		0 (	(00) (1		Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Polyvalue Belov		ce (S8) ( <b>I</b>	-RR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)	MLRA 149B) Thin Dark Surfa	•	(I DD D	MIDA	Coast Prairie Redox (A16) (LRR K, L, R)
Black Histic (A3) Hydrogen Sulfide (A4)	High Chroma S				149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L)
Stratified Layers (A5)	Loamy Mucky M				Thin Dark Surface (S9) (LRR K, L)
Depleted Below Dark Surface (A11)	Loamy Gleyed			<b>( ( , L</b> )	Iron-Manganese Masses (F12) (LRR K, L, R)
Thick Dark Surface (A12)	Depleted Matrix		2)		Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Mucky Mineral (S1)	Redox Dark Su		6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Gleyed Matrix (S4)	Depleted Dark	-	-		Red Parent Material (F21)
x Sandy Redox (S5)	Redox Depress				Very Shallow Dark Surface (F22)
Stripped Matrix (S6)	Marl (F10) ( <b>LRI</b>		,		Other (Explain in Remarks)
Dark Surface (S7)					
<sup>3</sup> Indicators of hydrophytic vegetation and v	etland hydrology mu	ust be pr	esent, ur	ıless dist	turbed or problematic.
Restrictive Layer (if observed):					
Туре:					
Depth (inches):					Hydric Soil Present? Yes X No
Remarks:	<del></del>				



Wetland EB- View facing south



**Wetland EB- Soils** 

Segment 10 – Package 6

# **SITE PHOTOGRAPHS**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6	City/County: Ravena Sampling Date: 11/30/21
Applicant/Owner: CHA	State: NY Sampling Point: FB-1
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.):	relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.44378	Long: -73.81272 Datum: NAD83
Soil Map Unit Name:	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation No , Soil N , or Hydrology N significantly distur	
Are Vegetation N, Soil N, or Hydrology N naturally problems	<del></del>
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Yes X No  Yes X No  Wetland Hydrology Present?  Yes X No	Is the Sampled Area within a Wetland?  If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Wetland FB	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (	
Sediment Deposits (B2)  Oxidized Rhizospheres	
Drift Deposits (B3) X Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)Recent Iron Reduction in	n Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	rks)Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):  Water Table Present? Yes No X Depth (inches):	: <u> </u>
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:	

**VEGETATION** – Use scientific names of plants. Sampling Point: FB-1 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** 1. Number of Dominant Species 2. That Are OBL, FACW, or FAC: 3. Total Number of Dominant Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 100.0% (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15 ) OBL species 1. **FACW** species 40 x 2 = 80 2. FAC species 0 x 3 = 0 3. **FACU** species x 4 = 4. UPL species x 5 = 5. Column Totals: 40 80 (B) 6. Prevalence Index = B/A = 7. **Hydrophytic Vegetation Indicators:** =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: X 2 - Dominance Test is >50% Phragmites australis X 3 - Prevalence Index is ≤3.0<sup>1</sup> 2. 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 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. Sapling/shrub – Woody plants less than 3 in. DBH 11. and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 40 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: Woody vines - All woody vines greater than 3.28 ft in height. 2. **Hydrophytic** 3. Vegetation No \_\_ Present? Yes x =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point FB-1

		the dep				ator or co	onfirm the absence of	indicators.)
Depth	Matrix	0/		k Featur		1.5.2	Tautura	Damadia
(inches)	Color (moist)	%	Color (moist)		Type	Loc <sup>2</sup>	Texture	Remarks
0-16	10yr 3/1	92	10yr 5/4	8			Loamy/Clayey	Distinct
								_
			_					
<sup>1</sup> Type: C=Co	ncentration, D=Deplet	ion, RM	=Reduced Matrix, M	1S=Mas	ked San	d Grains.	<sup>2</sup> Location: PL	=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	r Problematic Hydric Soils³:
Histosol (			Polyvalue Belo		ce (S8) (	LRR R,		k (A10) ( <b>LRR K, L, MLRA 149B</b> )
	pedon (A2)		MLRA 149B					airie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surfa					ky Peat or Peat (S3) (LRR K, L, R)
	Sulfide (A4)	•	High Chroma S					Below Surface (S8) (LRR K, L)
	Layers (A5)	۰ ۸ ۵ ۵ ۱	Loamy Mucky I			K K, L)		Surface (S9) (LRR K, L)
	Below Dark Surface ( rk Surface (A12)		Loamy Gleyed  X Depleted Matrix		(F2)			ganese Masses (F12) ( <b>LRR K, L, R</b> ) Floodplain Soils (F19) ( <b>MLRA 149B</b> )
	ucky Mineral (S1)	•	Redox Dark Su		-6)			odic (TA6) (MLRA 144A, 145, 149B)
	eyed Matrix (S4)	•	Depleted Dark	-				nt Material (F21)
	edox (S5)	•	Redox Depress					low Dark Surface (F22)
	Matrix (S6)	•	Marl (F10) ( <b>LR</b>		-,			plain in Remarks)
Dark Surf		•		, ,				,
<sup>3</sup> Indicators of	hydrophytic vegetatio	n and we	etland hydrology mu	ıst be p	resent, ui	nless dist	urbed or problematic.	
	ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Present	t? Yes <u>X</u> No
Remarks:							<u>.</u>	



Wetland FB- View facing east



**Wetland FB- Soils** 

Segment 10 – Package 6

# **SITE PHOTOGRAPHS**

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

Project/Site: CHPE	City/County: New Baltimore/Green Sampling Date: 6.17.22
Applicant/Owner: TDI	State: NY Sampling Point: EB & FB Upl
Investigator(s): John Greaves & Chris Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope Local	relief (concave, convex, none): Convex Slope %: 35
Subregion (LRR or MLRA): LRR R Lat: 42,444285	Long: -73.813333 Datum: NAD83
Soil Map Unit Name: RhA, RhB, RhC, RhD - Riverhead loam	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 disturb	· · ·
Are Vegetation, Soil, or Hydrology naturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (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 (	<del></del>
Sediment Deposits (B2)  Oxidized Rhizospheres of Deposits (B2)	<u> </u>
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4)  Recent Iron Reduction in This Much Curfoce (C7)	· / — · · · /
Iron Deposits (B5)  Thin Muck Surface (C7)  Other (Figures in Removal)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	rks) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No _X
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	avious inspections) if available:
Describe Recorded Data (stream gauge, monitoring well, aenai priotos, pre	evious inspections), ii avaliable.
Domorko	
Remarks:	

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

Tree Stratum (Plot size:30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC: (A)			
3.         4.				Total Number of Dominant Species Across All Strata:(B)			
5.         6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)			
7				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15 )		-		OBL species 0 x 1 = 0			
1.				FACW species 0 x 2 = 0			
2		·		FAC species 25 x 3 = 75			
2				FACU species 0 x 4 = 0			
1		<del></del>		UPL species 0 x 5 = 0			
5.							
· -		<del></del>		Column Totals: 25 (A) 75 (B)			
6.				Prevalence Index = B/A = 3.00			
7				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5				X 2 - Dominance Test is >50%			
1. Equisetum arvense	20	Yes	<u>FAC</u>	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Setaria pumila 3.	5	Yes	<u>FAC</u>	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
<ul><li>5.</li><li>6.</li></ul>				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7.				Definitions of Vegetation Strata:			
8							
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12.							
12.	25	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
<u>Woody Vine Stratum</u> (Plot size:)  1				Woody vines – All woody vines greater than 3.28 ft in height.			
2.				_			
2				Hydrophytic			
4				Vegetation   Present?   Yes X No			
4.		=Total Cover		Tresent: Tes No			
		-					
Remarks: (Include photo numbers here or on a sepa	rate sheet.)						

Sampling Point: EB & FB Upl

SOIL Sampling Point EB & FB Upl

		o the de				tor or co	onfirm the absence of	findicators.)
Depth	Matrix			x Featur		. 2	<b>-</b> .	
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
<sup>1</sup> Type: C=Co	oncentration, D=Deple	etion RN		 AS=Mas	ked Sand	Grains	<sup>2</sup> l ocation: Pl	L=Pore Lining, M=Matrix.
Hydric Soil		31.011, 1111	T TOGGOOG WIGHTA, II	TO MIGO	nou ounc	Clambi		or Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RRR		ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
	pipedon (A2)		MLRA 149B		ce (50) (i	LIXIX IX,		airie Redox (A16) ( <b>LRR K, L, R</b> )
				•	\ /I DD D	MI DA 1		
— Black Hi			Thin Dark Surf					cky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		— High Chroma S					e Below Surface (S8) (LRR K, L)
	Layers (A5)	(4.4.4)	Loamy Mucky			₹ K, L)		k Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			ganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri					t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
	lucky Mineral (S1)		Redox Dark Su					podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark	Surface	(F7)			ent Material (F21)
	edox (S5)		Redox Depress	•	8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK,L)			Other (Ex	xplain in Remarks)
Dark Su	face (S7)							
<sup>3</sup> Indicators o	hydrophytic vegetati	on and w	vetland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive I	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Presen	nt? Yes No X
Remarks:								
	m is revised from Nor	thcentra	I and Northeast Red	ional Su	nnlemen	Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,
	2015 Errata. (http://w							of Field Maleators of Frydrio Colle,
	of railroad ballast.		g	_			-,- <u>-</u> ,	



**Upland EB- View facing south** 



**Upland EB- Soils** 

Segment 10 – Package 6

# SITE PHOTOGRAPHS



Upland FB- View facing north



**Upland FB- Soils** 

Segment 10 – Package 6

# **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: New Baltimore/Greene Sampling Date: 11/28/22					
Applicant/Owner: TDI	State: NY Sampling Point: P6-K-4 Wet					
Investigator(s): N. Frazer & J. Greaves	Section, Township, Range:					
Landform (hillside, terrace, etc.): flat Local	relief (concave, convex, none): none Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 42-26-41.87N	Long: 73-48-41.81N Datum: WGS84					
Soil Map Unit Name: Riverhead loam, hilly (RhD)	NWI classification: PEM					
Are climatic / hydrologic conditions on the site typical for this time of year?						
Are Vegetation , Soil x , or Hydrology significantly distur-						
Are Vegetation, Soil, or Hydrologynaturally problem						
SUMMARY OF FINDINGS – Attach site map snowing san	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes x No	within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)						
common reed marsh						
LIVEROLOGY						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
X Surface Water (A1)  X Water-Stained Leaves (	· · · · · · · · · · · · · · · · · · ·					
High Water Table (A2)  Aquatic Fauna (B13)  Mad Deposits (B15)	Moss Trim Lines (B16)					
Saturation (A3)  Marl Deposits (B15)  Water Marker (B4)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor						
Sediment Deposits (B2)  Oxidized Rhizospheres  Process of Reduced In						
Drift Deposits (B3) Presence of Reduced In	· ,					
Algal Mat or Crust (B4)  Recent Iron Reduction i  Thin Muck Surface (C7)	· , · , ,					
Iron Deposits (B5) — Thin Muck Surface (C7)  Inundation Visible on Aerial Imageny (B7) — Other (Explain in Rema	<u> </u>					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rema Sparsely Vegetated Concave Surface (B8)	ks) Microtopographic Relief (D4) X FAC-Neutral Test (D5)					
<u> </u>						
Field Observations:  Surface Water Present? Yes x No Depth (inches):	): 0.5					
Water Table Present? Yes No x Depth (inches):	· <del></del>					
Saturation Present? Yes x No Depth (inches):						
(includes capillary fringe)	Welland Hydrology Flesent: 165 115					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	revious inspections) if available:					
Dooring Noordan Data (orloan gaage,	eviduo inopositorioj, ii divanasio.					
Remarks:						

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

Tree Stratum (Plot size: 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
	76 COVE	<u>opecies:</u>	Status				
2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)			
3. 4.				Total Number of Dominant Species Across All Strata:1 (B)			
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
7				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0			
1				FACW species 50 x 2 = 100			
2				FAC species 0 x 3 = 0			
3				FACU species4 x 4 =16			
4				UPL species0 x 5 =0			
5.				Column Totals: 54 (A) 116 (B)			
6.				Prevalence Index = B/A = 2.15			
7.				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5' )		•		X 2 - Dominance Test is >50%			
1. Phragmites australis	45	Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>			
Trifolium pratense	2	No No	FACU	4 - Morphological Adaptations (Provide supporting			
3. Cyperus strigosus	5	No No	FACW	data in Remarks or on a separate sheet)			
4. Trifolium repens	2	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5 6.		<del>-</del>		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7.				Definitions of Vegetation Strata:			
8				Tree – Woody plants 3 in. (7.6 cm) or more in			
9				diameter at breast height (DBH), regardless of height.			
10 11.		<u> </u>		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12.							
	54	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in			
1.				height.			
2.							
3.				Hydrophytic			
4.				Vegetation Present? Yes X No			
		=Total Cover					
Remarks: (Include photo numbers here or on a separ	rate sheet )	_					
Tremains. (include prioto numbers here of on a separ	ale sheet.)						

Sampling Point: P6-K-4 Wet

SOIL Sampling Point P6-K-4 Wet

		o the de				ator or co	onfirm the absence of in	dicators.)			
Depth	Matrix			x Featur			T	Demonto			
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks			
<u> </u>	10YR 4/2	85	10YR 5/1	15	<u>D</u>	M	Sandy				
10-12	10YR 5/2		10YR 3/1	30	<u>C</u>	M	Loamy/Clayey	Faint redox concentrations			
12-16	10YR 4/1	100					Sandy				
	_										
			-								
		etion, RN	/I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		Pore Lining, M=Matrix.			
Hydric Soil Ir								Problematic Hydric Soils <sup>3</sup> :			
— Histosol (			Dark Surface (		(00) (			(A10) (LRR K, L, MLRA 149B)			
—— HISTIC EPI Black His	pedon (A2)		Polyvalue Belo MLRA 149B		ce (58) (	LKK K,	Coast Prairie Redox (A16) (LRR K, L, R)  5 cm Mucky Peat or Peat (S3) (LRR K, L, R)				
	Sulfide (A4)		Thin Dark Surf	•	(I RR R	MIRA		Below Surface (S8) (LRR K, L)			
	Layers (A5)		High Chroma S					Surface (S9) (LRR K, L)			
	Below Dark Surface	(A11)	Loamy Mucky					nese Masses (F12) ( <b>LRR K, L, R</b> )			
	k Surface (A12)	, ,	Loamy Gleyed			,		loodplain Soils (F19) ( <b>MLRA 149B</b> )			
Mesic Sp	odic (A17)		Depleted Matri	x (F3)			Red Parent	Material (F21) (outside MLRA 145)			
	A 144A, 145, 149B)		Redox Dark Su	•	•			w Dark Surface (F22)			
	ucky Mineral (S1)		Depleted Dark				<u>x</u> Other (Expl	ain in Remarks)			
	eyed Matrix (S4)		Redox Depress		8)		3100000000	of budges budges and			
Sandy Re	Matrix (S6)		Marl (F10) (LR Red Parent Ma		21) /MI E	DA 145\	<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present,				
ouipped i	Matrix (00)		TREAT BIETITIVE	iteriai (i	21) (IVILI	(A 143)	unless disturbed or problematic.				
Restrictive L	ayer (if observed):						arriess ar	starbed of problemation			
Туре:	none	Э									
Depth (in	ches):						Hydric Soil Present?	Yes <u>x</u> No			
Remarks:							l				
Area appears	to be disturbed.										



Wetland P6-K-4- View facing east



Wetland P6-K-4- Soils

Segment 10 – Package 6

# **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: New Baltimore/Greene	Sampling Date: 11/28/22				
Applicant/Owner: TDI	State: NY	Sampling Point: P6-K-6 Wet				
Investigator(s): N. Frazer & J. Greaves	Section, Township, Range:					
Landform (hillside, terrace, etc.): depression Local	relief (concave, convex, none): concave	Slope %: 0				
Subregion (LRR or MLRA): LRR R Lat: 42-26-42.18N	Long: 73-48-41.63W	Datum: WGS84				
Soil Map Unit Name: Riverhead loam, hilly (RhD)	NWI classification:	PFO				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, e	explain in Remarks.)				
Are Vegetation , Soil , or Hydrology significantly distur	<del></del> `	•				
Are Vegetation , Soil , or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam		,				
	T	•				
Hydrophytic Vegetation Present?  Yes X No	Is the Sampled Area					
Hydric Soil Present?  Yes X No Yes X No	within a Wetland? Yes X  If yes, optional Wetland Site ID:	No				
	ii yes, optional Wetiand Site ID.					
Remarks: (Explain alternative procedures here or in a separate report.)						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (m	inimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks					
Surface Water (A1) X Water-Stained Leaves (	(B9) Drainage Patterns (E	310)				
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B1					
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (		•				
Sediment Deposits (B2)  X Oxidized Rhizospheres  R (R)		n Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Reduced In		,				
Algal Mat or Crust (B4)  Recent Iron Reduction in  This Much Confess (C7)						
Iron Deposits (B5)  Thin Muck Surface (C7)	<del></del> · · · ·					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D					
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):		Yes X No				
Saturation Present? Yes No _x Depth (inches): (includes capillary fringe)	wetland nydrology Present?	162 × NO				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
	eviduo moposiiono), n availubio.					
Remarks:						

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

T. 0 (D	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Populus deltoides	20	Yes	FAC	Number of Dominant Species
2. Salix alba	50	Yes	FACW	That Are OBL, FACW, or FAC:4 (A)
3.		·		Total Number of Dominant
4		·		Species Across All Strata: 8 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50.0% (A/B)
7				Prevalence Index worksheet:
	70	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species0 x 1 =0
1. Lonicera tatarica	5	Yes	<u>FACU</u>	FACW species75 x 2 =150
2. Salix alba	5	Yes	FACW	FAC species 20 x 3 = 60
3				FACU species 25 x 4 = 100
4				UPL species0 x 5 =0
5				Column Totals: 120 (A) 310 (B)
6				Prevalence Index = B/A = 2.58
7				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )				2 - Dominance Test is >50%
1. Lonicera tatarica	5	Yes	FACU	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Phragmites australis	20	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				<u> </u>
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				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.				
	 25	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30' )		·		or size, and weedy plants less than 6,20 it tall.
1. Celastrus orbiculatus	10	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft in height.
	5			neight.
		Yes	<u>FACU</u>	Hydrophytic
3				Vegetation
4				Present? Yes <u>X</u> No
	15	=Total Cover		
Remarks: (Include photo numbers here or on a separate or	ate sheet.)			

Sampling Point: P6-K-6 Wet

SOIL Sampling Point P6-K-6 Wet

Depth	Matrix	0/		x Featur		1.02	Taratuma	Б	la ma a misa	
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture		emarks	
0-3	10YR 2/1	100					Loamy/Clayey	WI	ith roots	
3-16	2.5Y 4/2		2.5Y 5/1		<u>D</u>	<u>M</u>	Sandy			
			2.5Y 5/6	10	<u>C</u>	PL/M		Prominent red	dox concentrations	
• •	oncentration, D=Depl	etion, RM	=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.		PL=Pore Lining, M		
Hydric Soil   Histosol			Dark Surface (	<b>97</b> )				or Problematic H	Hydric Soils*: K, L, MLRA 149B)	
	pipedon (A2)		Polyvalue Belo		ce (S8) (	LRR R.				
Black Hi			MLRA 149B		() (	,	Coast Prairie Redox (A16) ( <b>LRR K, L, R</b> )  5 cm Mucky Peat or Peat (S3) ( <b>LRR K, L, R</b> )			
Hydroge	n Sulfide (A4)		Thin Dark Surfa	ace (S9	) (LRR R	, MLRA 1	I <b>49B</b> ) Polyvalu	ie Below Surface	(S8) ( <b>LRR K, L</b> )	
	l Layers (A5)		High Chroma S	3ands (S	611) ( <b>LRI</b>	R K, L)	Thin Da	rk Surface (S9) ( <b>L</b>	LRR K, L)	
	d Below Dark Surface	e (A11)	Loamy Mucky I			R K, L)	Iron-Manganese Masses (F12) (LRR K, L, I			
	ark Surface (A12)		Loamy Gleyed		(F2)		Piedmont Floodplain Soils (F19) (MLRA 149			
	podic (A17)		Depleted Matrix	` '	-6)		Red Parent Material (F21) (outside MLRA 14  Very Shallow Dark Surface (F22)			
	A 144A, 145, 149B) lucky Mineral (S1)		Redox Dark Su Depleted Dark	•						
	Bleyed Matrix (S4)		Redox Depress				Other (E	Explain in Remark	.3)	
X Sandy R			Marl (F10) ( <b>LR</b>	•	-,		<sup>3</sup> Indicato	ors of hydrophytic	vegetation and	
	Matrix (S6)		Red Parent Ma		21) <b>(ML</b> i	RA 145)	wetland hydrology must be present,			
							unles	s disturbed or pro	blematic.	
	Layer (if observed):									
Type:	non	e	<del></del>							
Depth (ir	nches):						Hydric Soil Prese	nt? Yes_	No	
Remarks:										



Wetland P6-K-6- View facing north



Wetland P6-K-6- Soils

Segment 10 – Package 6

## **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: New Bal	timore/Greene	Sampling Date: 11/28/22
Applicant/Owner: TDI			State:	NY Sampling Point: P6-K-6 Upl
Investigator(s): N. Frazer & J. Greaves		Section, Tow	 vnship, Range:	
Landform (hillside, terrace, etc.): flat	Local re	elief (concave, convex	, none): none	Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 42-26-42.27N	`	73-48-41.79W	Datum: WGS84
Soil Map Unit Name: Riverhead loam, hilly (F			NWI classifica	<del></del>
Are climatic / hydrologic conditions on the site	,	Ves v		If no, explain in Remarks.)
, ,	,, , , , , , , , , , , , , , , , , , ,	Yes x		,
Are Vegetation, Soil, or Hydrol			al Circumstances"	·
Are Vegetation, Soil, or Hydrol	<del></del>		, explain any answe	
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point locat	ions, transects	s, important features, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Are	ea	
Hydric Soil Present?	Yes No X	within a Wetland?	Yes _	No <u>X</u>
Wetland Hydrology Present?	Yes No X	<b>I</b> f yes, optional Wet	land Site <b>I</b> D:	
Remarks: (Explain alternative procedures he Roadside/ succesional old field				
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicate	ors (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil C	Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B	39)	Drainage Patte	
High Water Table (A2)	Aquatic Fauna (B13)	,	Moss Trim Lin	
Saturation (A3)	Marl Deposits (B15)			Vater Table (C2)
— Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burro	` '
Sediment Deposits (B2)	Oxidized Rhizospheres or	- ' '		sible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	` ′		ressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (Co)	Geomorphic P	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7	Thin Muck Surface (C7) Other (Explain in Remark		Shallow Aquita	ard (D3) phic Relief (D4)
Sparsely Vegetated Concave Surface (B	′ <del></del> ` '	.5)	FAC-Neutral T	, ,
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 Prese	ent? Yes No X
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if a	available:	
Remarks:				
None.				

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

ree Stratum (Plot size:30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
. Populus deltoides	5	Yes	FAC			
- Topardo donordo				Number of Dominant Species That Are OBL, FACW, or FAC: (A)		
·				Total Number of Dominant		
				Species Across All Strata: 6 (B)		
i				Barrant of Danis and Charles		
s				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B		
				Prevalence Index worksheet:		
	5	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:15'	)			OBL species0 x 1 =0		
. Rubus occidentalis	5	Yes	UPL	FACW species 20 x 2 = 40		
. Rhus typhina	10	Yes	UPL	FAC species 10 x 3 = 30		
s				FACU species15 x 4 =60		
·				UPL species80 x 5 =400		
j				Column Totals: 125 (A) 530 (B		
i				Prevalence Index = B/A = 4.24		
				Hydrophytic Vegetation Indicators:		
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
<u>lerb Stratum</u> (Plot size: 5' )				2 - Dominance Test is >50%		
. Artemisia vulgaris	65	Yes	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
. Phragmites australis	20	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supportin		
3. Symphyotrichum ericoides	10	No	FACU	data in Remarks or on a separate sheet)		
. Galium boreale	5	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5. 3.	·			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
				Definitions of Vegetation Strata:		
· i.						
· ).				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
0.	·					
1.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
2.	· <u></u>					
	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
Voody Vine Stratum (Plot size: 30'	)					
. Vitis aestivalis	, 5	Yes	FACU	<b>Woody vines</b> – All woody vines greater than 3.28 ft ir height.		
				-		
•				Hydrophytic		
<b>.</b>				Vegetation Present? Yes No X		
S				11000IR. 100 NO X		
3.		=Total Cover				

SOIL Sampling Point P6-K-6 Upl

	ription: (Describe t	o the de				itor or co	onfirm the absence of	f indicatoı	rs.)	
Depth	Matrix			x Featur						
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	<u>S</u>
0-2	10YR 3/1	100					Sandy		gravel	
							·			
1- 0.0							2, ,, ,			<del> </del>
	ncentration, D=Deple	etion, RN	/I=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	<sup>2</sup> Location: P			
Hydric Soil I			Dark Surface (	C7\			Indicators fo		-	
— Histosol (	ipedon (A2)		Dark Surface ( Polyvalue Belo		oo (S8) (I	DD D			LRR K, L, M ox (A16) (LRI	
Black His			MLRA 149B		ce (30) (i	LIXIX IX,				(LRR K, L, R)
	n Sulfide (A4)		Thin Dark Surf	•	(I RR R	MI RA 1			urface (S8) (	
	Layers (A5)		High Chroma S						(S9) ( <b>LRR K</b>	
	Below Dark Surface	(A11)	Loamy Mucky							(LRR K, L, R)
	rk Surface (A12)	(, , , ,	Loamy Gleyed			, — ,				) (MLRA 149B)
	odic (A17)		Depleted Matri		,					side MLRA 145)
	A 144A, 145, 149B)		Redox Dark Su		6)				Surface (F2:	
-	ucky Mineral (S1)		Depleted Dark		•			xplain in R		,
	eyed Matrix (S4)		Redox Depress					•	,	
Sandy Re	edox (S5)		Marl (F10) ( <b>LR</b>	RK, L)			<sup>3</sup> Indicato	rs of hydro	ophytic veget	ation and
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	21) <b>(MLF</b>	RA 145)	wetlan	d hydrolog	gy must be p	resent,
							unless	disturbed	or problema	tic.
Restrictive L	ayer (if observed):									
Type:	rock									
Depth (in	ches):	2					Hydric Soil Preser	nt?	Yes	No X
Remarks:										
Roadside fill.										



**Upland P6-K-6- View facing southwest** 



**Upland P6-K-6- Soils** 

Segment 10 – Package 6

# **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: New Baltimore/Greene	e Sampling Date: 11/28/22
Applicant/Owner: TDI		State	e: NY Sampling Point: P6-L-9 Wet
Investigator(s): N. Frazer & J. Greaves		Section, Township, Range	 :
Landform (hillside, terrace, etc.): depression	Local relief	(concave, convex, none): conc	ave Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 42-26-39.74N	Long: 73-48-43.30W	
Soil Map Unit Name: Riverhead loam, rolling (R			sification: PSS
Are climatic / hydrologic conditions on the site type	•		
, ,	·	Yes x No	_ ` ' ' '
Are Vegetation, Soil, or Hydrolog			· — —
Are Vegetation, Soil, or Hydrolog	ynaturally problematic?	(If needed, explain any a	inswers in Remarks.)
SUMMARY OF FINDINGS – Attach sit	te map showing samplin	g point locations, trans	ects, important features, etc.
Hydrophytic Vegetation Present? Ye	es X No Is	the Sampled Area	
Hydric Soil Present? Ye	es X No wi	ithin a Wetland? Y	es_X_ No
Wetland Hydrology Present? Ye	es X No If y	yes, optional Wetland Site <b>I</b> D:	
Remarks: (Explain alternative procedures here	or in a separate report.)		
Shrub swamp.			
HYDROLOGY			
		Casandanula	disators (minimum of two required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required;	· chack all that annly)		dicators (minimum of two required) Soil Cracks (B6)
	X Water-Stained Leaves (B9)		Patterns (B10)
X High Water Table (A2)	Aquatic Fauna (B13)		m Lines (B16)
X Saturation (A3)	Marl Deposits (B15)		on Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Liv	<del></del> ·	n Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4		or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tille	ed Soils (C6) X Geomorp	hic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow A	Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		ographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		X FAC-Neu	tral Test (D5)
Field Observations:			
<del></del>	No Depth (inches):2	<del></del>	
	No Depth (inches):12	<del></del>	
<del></del>	No Depth (inches):0	Wetland Hydrology F	Present? Yes X No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monito	oring wall parial photos previous	i	
Describe Necorded Data (Stream gauge, monito	Jilly Well, aerial priolos, previous	s ilispections), il available.	
Remarks:			

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

ree Stratum (Plot size: 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
. Populus deltoides	15	Yes	FAC	Johnnance 1991 Welliest		
ropulus deltoldes	10	163		Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)		
				I TIRL AIR OBL, FACW, OF FAC.		
		- ——		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: 100.0% (A/B)		
				Prevalence Index worksheet:		
·	 15	=Total Cover				
apling/Shrub Stratum (Plot size: 15' )	10	- 10(a) 0006		Total % Cover of: Multiply by:  OBL species 30 x 1 = 30		
,	30	Voc	FAC	<u> </u>		
Populus deltoides  Soliv alba		Yes Yes		' <del></del>		
Salix alba	10	Yes Yes	FACW	FAC species 45 x 3 = 135		
. Cornus amomum	10	Yes	<u>FACW</u>	FACU species 9 x 4 = 36		
·				UPL species 0 x 5 = 0		
				Column Totals: 154 (A) 341 (B)		
				Prevalence Index = B/A = 2.21		
				Hydrophytic Vegetation Indicators:		
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5' )				X 2 - Dominance Test is >50%		
. Phragmites australis	50	<u>Yes</u>	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Lythrum salicaria	30	Yes	OBL	4 - Morphological Adaptations (Provide supporting		
8. Rosa multiflora	5	No	<u>FACU</u>	data in Remarks or on a separate sheet)		
Juniperus virginiana	2	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
i		- ——		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
·				Definitions of Vegetation Strata:		
				-		
),				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
11		- ——		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12.						
	 87	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
Noody Vine Stratum (Plot size: 30' )						
Celastrus orbiculatus	2	No	FACU	Woody vines – All woody vines greater than 3.28 ft in height.		
		- 110	17.00	Height		
3.		-		Hydrophytic		
				Vegetation		
1				Present?		
	2	=Total Cover				

SOIL Sampling Point P6-L-9 Wet

Profile Desc Depth	ription: (Describe t Matrix	o the de	-	<b>ıment tl</b> x Featur		ator or co	onfirm the absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	_ %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-11	2.5Y 4/1	95	10YR 5/6	5	C	M	Sandy	Prominent redox concentrations	
11-13	2.5Y 5/3	70	2.5Y 4/1	30	D	М	Loamy/Clayey		
13-16	2.5Y 4/2	70	2.5Y 3/1	30		<u></u>	Sandy		
	2.01 4/2		2.01 0/1				Canay		
<sup>1</sup> Type: C=Co	oncentration, D=Deple	etion, RI	M=Reduced Matrix, M	 1S=Mas	ked Sand	d Grains.	<sup>2</sup> Location: PL	.=Pore Lining, M=Matrix.	
Hydric Soil		•	•					r Problematic Hydric Soils <sup>3</sup> :	
Histosol			Dark Surface (				2 cm Muc	ck (A10) ( <b>LRR K, L, MLRA 149B</b> )	
	pipedon (A2)		Polyvalue Belo		ce (S8) (	LRR R,		airie Redox (A16) (LRR K, L, R)	
— Black Hi	` '		MLRA 149B	•	\	MIDA		cky Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		Thin Dark Surfa					Below Surface (S8) (LRR K, L)	
	l Layers (A5) l Below Dark Surface	(Δ11)	Loamy Mucky I					Surface (S9) ( <b>LRR K, L</b> ) ganese Masses (F12) ( <b>LRR K, L, R</b> )	
	ark Surface (A12)	(\(\tau\)	Loamy Gleyed			IX IX, L)		: Floodplain Soils (F19) ( <b>MLRA 149B</b> )	
	oodic (A17)		Depleted Matri		. –,			nt Material (F21) <b>(outside MLRA 145</b>	
	A 144A, 145, 149B)		Redox Dark Su	` '	<del>-</del> 6)			llow Dark Surface (F22)	
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Ex	plain in Remarks)	
Sandy G	leyed Matrix (S4)		Redox Depress	sions (F	8)		<del></del>		
X Sandy R	edox (S5)		Marl (F10) ( <b>LR</b>	<b>R</b> K, L)			<sup>3</sup> Indicator	s of hydrophytic vegetation and	
Stripped	Matrix (S6)		Red Parent Ma	iterial (F	21) <b>(ML</b> i	RA 145)	wetland hydrology must be present,		
Da afailatha a	('£ -   ).						unless I	disturbed or problematic.	
Type:	_ayer (if observed):	2							
Depth (ir							Hydric Soil Present	t? Yes X No	
							Hydric Son Freseni	tr res 🙏 NO	
Remarks:									



Wetland P6-L-9- View facing east



Wetland P6-L-9- Soils

Segment 10 – Package 6

# **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: New Ba	Itimore/Greene	Sampling Date: 11/28/22
Applicant/Owner: TDI			State: N	Y Sampling Point: P6-L-6 Upl
Investigator(s): N. Frazer & J. Greaves		Section, Tov	 vnship, Range:	
Landform (hillside, terrace, etc.): roadside	Local re	======================================	x, none): none	Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 42-26-40.01N	•	73-48-43.24W	· Datum: WGS84
Soil Map Unit Name: Riverhead loam, rolling			NWI classification	<del></del>
Are climatic / hydrologic conditions on the site		Yes x	<del></del>	no, explain in Remarks.)
, ,	•			,
Are Vegetation, Soil, or Hydrol			·	
Are Vegetation, Soil, or Hydrol	<u> </u>		, explain any answers	
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point locat	ions, transects,	important features, etc.
Hydrophytic Vegetation Present?	Yes No _X_	Is the Sampled Ar	ea	
Hydric Soil Present?	Yes No X	within a Wetland?	Yes	NoX
Wetland Hydrology Present?	Yes No _X	<b>I</b> f yes, optional We	tland Site ID:	
Remarks: (Explain alternative procedures he roadside/ successional old field	re or in a separate report.)			
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators	s (minimum of two required)
Primary Indicators (minimum of one is require			Surface Soil Cra	
—— Surface Water (A1)	Water-Stained Leaves (B	9)	Drainage Patterr	
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Wat	
Water Marks (B1)	— Hydrogen Sulfide Odor (C		Crayfish Burrows	` '
Sediment Deposits (B2)	Oxidized Rhizospheres or	- , ,		e on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	` '	Stunted or Stres	, , ,
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	Geomorphic Pos	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	(a)	Shallow Aquitard	` '
Sparsely Vegetated Concave Surface (B	′ <del></del> ` '	.5)	Microtopographic	` '
Field Observations:			TAO-Neutral Tes	St (DO)
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	t? Yes No X
(includes capillary fringe)			a riyarology i rocom	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if	available:	
, ,				
Remarks:				

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

Tree Stratum (Plot size: 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Populus deltoides		Yes	FAC	Dominance Test Worksheet.
2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3. 4.		·		Total Number of Dominant Species Across All Strata:4 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7.				Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Robinia pseudoacacia	20	Yes	<u>FACU</u>	FACW species 5 x 2 = 10
2				FAC species17 x 3 =51
3				FACU species 30 x 4 = 120
4				UPL species 85 x 5 = 425
5				Column Totals: 137 (A) 606 (B)
6				Prevalence Index = B/A = 4.42
7				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )				2 - Dominance Test is >50%
1. Artemisia vulgaris	80	Yes	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Galium boreale	10	No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Equisetum hyemale	2	No	FAC	data in Remarks or on a separate sheet)
4. Centaurea stoebe	5	No No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Rosa multiflora	5	No No	FACU	<u> </u>
6. Phragmites australis	5	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Hank All bank account (non-vecale) plants recording
	107	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in
1. Celastrus orbiculatus	5	Yes	FACU	height.
2.				
3.				Hydrophytic
4.				Vegetation   Present?   Yes No _ X _
	5	=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet )	•		
Tremarks. (Include prioto numbers here of on a separ	ale sileel.)			

Sampling Point: P6-L-6 Upl

SOIL Sampling Point P6-L-6 Upl

Profile Desci Depth	ription: (Describe to Matrix	o the de		<b>ıment th</b> x Featur		ator or co	onfirm the absence o	of indicate	ors.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	S
	0.57/.4/0									
<del>0-3</del>	2.5Y 4/2	100					Loamy/Clayey			
<sup>1</sup> Type: C=Co	ncentration, D=Deple	etion RM		 IS=Masl	ked Sand	Grains.	<sup>2</sup> l ocation: F	PI =Pore I	ining, M=Matı	rix.
Hydric Soil I		, , , , , , , , , , , , , , , , , , ,	· · · · · · · · · · · · · · · · · · ·		itou ouiit				ematic Hydric	
Histosol (			Dark Surface (	S7)					(LRR K, L, M	
	ipedon (A2)		Polyvalue Belo		ce (S8) (I	LRR R,		, ,	lox (A16) ( <b>LR</b> i	•
Black His			MLRA 149B		` , `	•				(LRR K, L, R)
	Sulfide (A4)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1			Surface (S8) (	
 Stratified	Layers (A5)		High Chroma S	Sands (S	311) ( <b>LR</b> F	R K, L)	Thin Da	rk Surface	e (S9) ( <b>LRR K</b>	Κ, <b>L</b> )
 Depleted	Below Dark Surface	(A11)	Loamy Mucky	Mineral (	(F1) ( <b>LR</b> I	RK, L)	Iron-Ma	nganese l	Masses (F12)	(LRR K, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (	F2)		Piedmo	nt Floodpl	lain Soils (F19	) (MLRA 149B)
Mesic Sp	odic (A17)		Depleted Matri	x (F3)			Red Pa	ent Mater	rial (F21) <b>(out</b>	side MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	ırface (F	·6)		Very Sh	allow Dar	k Surface (F2	2)
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (E	Explain in	Remarks)	
Sandy Gl	eyed Matrix (S4)		Redox Depress	sions (F	8)					
Sandy Re	edox (S5)		Marl (F10) ( <b>LR</b>	RK,L)			<sup>3</sup> Indicate	ors of hyd	rophytic vege	tation and
Stripped	Matrix (S6)		Red Parent Ma	iterial (F	21) <b>(MLF</b>	RA 145)	wetla	nd hydrolc	ogy must be p	resent,
							unles	s disturbe	d or problema	itic.
	ayer (if observed):									
Type: _	rock									
Depth (in	ches):	3					Hydric Soil Prese	nt?	Yes	No <u>X</u>
Remarks:										



**Upland P6-L-6- View facing south** 



**Upland P6-L-6- Soils** 

Segment 10 – Package 6

# **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: New Balti	more/Greene	Sampling Date: 11/28/22
Applicant/Owner: TDI		<u>-</u>	State:	NY Sampling Point: P6-L-23 Wet
Investigator(s): N. Frazer & J. Greaves		Section, Towr	—— nship, Range:	
Landform (hillside, terrace, etc.): flat	Local re	elief (concave, convex,		Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 42-26-39.78N	•	'3-48-45.64W	Datum: WGS84
Soil Map Unit Name: Riverhead loam, rolling			NWI classifica	
Are climatic / hydrologic conditions on the site	, ,	Vos. v		
, 0	,	Yes x	`	f no, explain in Remarks.)
Are Vegetation, Soil, or Hydrol			I Circumstances"	<del></del>
Are Vegetation, Soil, or Hydrol	ogynaturally problemati	ic? (If needed,	explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point location	ons, transects	s, important features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Area	a	
Hydric Soil Present?	Yes X No	within a Wetland?	Yes	X No
Wetland Hydrology Present?	Yes X No	If yes, optional Wetla	and Site <b>I</b> D:	<u> </u>
Remarks: (Explain alternative procedures he	ere or in a separate report.)			
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicate	ors (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil C	racks (B6)
Surface Water (A1)	X Water-Stained Leaves (BS	9) _	Drainage Patte	
—— High Water Table (A2)	Aquatic Fauna (B13)	_	Moss Trim Line	
Saturation (A3)	Marl Deposits (B15)	_		ater Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C	_	Crayfish Burro	` '
Sediment Deposits (B2)	X Oxidized Rhizospheres or	- · · · -		ble on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	` ′ —		essed Plants (D1)
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in Thin Muck Surface (C7)	Tilled Soils (Co)	Geomorphic Posts Shallow Aquita	
Inundation Visible on Aerial Imagery (B7)	<del></del> ` ` ´	-c1	— Shallow Aquita Microtopograpi	` '
Sparsely Vegetated Concave Surface (Bi	· — · · ·	_	FAC-Neutral T	
Field Observations:	<u></u>	<del></del>		
Surface Water Present? Yes	No x Depth (inches):			
Water Table Present? Yes	No x Depth (inches): _ No x Depth (inches): _			
Saturation Present? Yes	No x Depth (inches):		Hydrology Prese	nt? Yes X No
(includes capillary fringe)	7 2 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		119010.09, 1.1.1.	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if av	/ailable:	
, J	, ,	, ,,		
Remarks:				

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

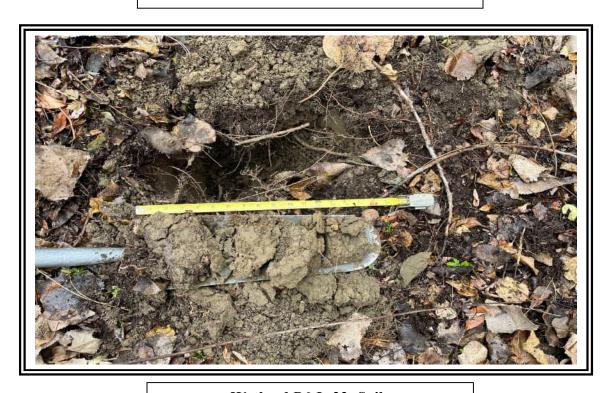
<u>Free Stratum</u> (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
. Populus deltoides	85	Yes	FAC	Number of Dominant Species		
				That Are OBL, FACW, or FAC: 2 (A)		
				Total Number of Dominant		
				Species Across All Strata: 3 (B)		
. <u> </u>				Percent of Dominant Species		
				That Are OBL, FACW, or FAC: 66.7% (A/E		
				Prevalence Index worksheet:		
	85	=Total Cover		Total % Cover of: Multiply by:		
apling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0		
				FACW species 0 x 2 = 0		
				FAC species105 x 3 =315		
				FACU species14 x 4 =56		
				UPL species0 x 5 =0		
·				Column Totals: 119 (A) 371 (E		
				Prevalence Index = B/A = 3.12		
				Hydrophytic Vegetation Indicators:		
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
erb Stratum (Plot size: 5' )				X 2 - Dominance Test is >50%		
Rosa multiflora	12	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
Alliaria petiolata	2	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)		
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
				<del> </del>		
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm) or more in		
- <u> </u>				diameter at breast height (DBH), regardless of heigh		
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		
	14	=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 i		
. Vitis riparia	20	Yes	FAC	height.		
				Hydrophytic		
				Vegetation Present? Yes X No		
•	20	=Total Cover				

SOIL Sampling Point P6-L-23 Wet

Profile Desc Depth	ription: (Describe t Matrix	to the de		<b>ıment tl</b> x Featur		ator or co	onfirm the absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	_ %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-1	10YR 2/1	100					Loamy/Clayey		
1-16	2.5Y 4/2	90	10YR 4/4	5	С	PL/M	Loamy/Clayey	Distinct redox concentrations	
			10YR 3/2	 5	С	М		Faint redox concentrations	
¹Type: C=Co	oncentration, D=Depl	etion, RI	M=Reduced Matrix, M	 1S=Masl	ked San	d Grains.	<sup>2</sup> Location: PL	_=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators for	r Problematic Hydric Soils <sup>3</sup> :	
Histosol			Dark Surface (	,				ck (A10) ( <b>LRR K, L, MLRA 149B</b> )	
	pipedon (A2)		Polyvalue Belo		ce (S8) (	LRR R,		airie Redox (A16) (LRR K, L, R)	
Black Hi	stic (A3) n Sulfide (A4)		MLRA 149B	•	\ /I DD D	MIDA		cky Peat or Peat (S3) (LRR K, L, R)	
	I Layers (A5)		Thin Dark Surfa					e Below Surface (S8) ( <b>LRR K, L</b> ) k Surface (S9) ( <b>LRR K, L</b> )	
	l Below Dark Surface	(A11)	Loamy Mucky I					ganese Masses (F12) (LRR K, L, R)	
	ark Surface (A12)	, (, (, , , ,	Loamy Gleyed			· (		t Floodplain Soils (F19) ( <b>MLRA 149B</b> )	
	oodic (A17)		X Depleted Matrix		,			ent Material (F21) <b>(outside MLRA 145</b> )	
	A 144A, 145, 149B)		Redox Dark Su		<del>-</del> 6)			llow Dark Surface (F22)	
	lucky Mineral (S1)		Depleted Dark	Surface	(F7)			φlain in Remarks)	
Sandy G	leyed Matrix (S4)		Redox Depress	sions (F	8)				
Sandy R	edox (S5)		Marl (F10) ( <b>LR</b>	<b>R</b> K, L)			<sup>3</sup> Indicator	s of hydrophytic vegetation and	
Stripped	Matrix (S6)		Red Parent Ma	iterial (F	21) <b>(ML</b> I	RA 145)	wetland hydrology must be present,		
<b>5</b>							unless (	disturbed or problematic.	
	_ayer (if observed):	•							
Type:	none	e					Unalda Oall Burnan	10 Y-1 Y N-1	
Depth (ir	nches):						Hydric Soil Present	t? Yes X No	
Remarks:									



Wetland P6-L-23- View facing northeast



Wetland P6-L-23- Soils

Segment 10 – Package 6

## **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)

Applicant/Owner: TDI Scatce: NY Sampling Point: P64-24 Within a Wetland Pydrology Present? Yes X No If yes, optional Wetland Pydrology Present? Yes X No If yes, optional Wetland Pydrology Present? Yes X No If yes, optional Wetland Pydrology Present? Yes X No If yes, optional Wetland Pydrology Present? Yes X No If yes, optional Wetland Pydrology Red Point Name Wetland Pydrology Present? Yes X No If yes, optional Wetland Site ID:    State: NY Sampling Point: P64-24 Within a Wetland? Point in Peace of Normal Circumstances Point (If needed, explain any answers in Peace X
Landform (hillside, terrace, etc.): depression
Subregion (LRR or MLRA): LRR R Lat: 42-26-39.75N Long: 73-48-45.40W Datum: WGS84  Soil Map Unit Name: Riverhead loam, rolling (RhC) NWI classification: PEM  Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)  Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes x No  Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes X No Is the Sampled Area within a Wetland? Yes X No  Wetland Hydrology Present? Yes X No If yes, optional Wetland Site ID:  Remarks: (Explain alternative procedures here or in a separate report.)
Subregion (LRR or MLRA): LRR R Lat: 42-26-39.75N Long: 73-48-45.40W Datum: WGS84  Soil Map Unit Name: Riverhead loam, rolling (RhC) NWI classification: PEM  Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)  Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes x No  Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes X No Is the Sampled Area within a Wetland? Yes X No  Wetland Hydrology Present? Yes X No If yes, optional Wetland Site ID:  Remarks: (Explain alternative procedures here or in a separate report.)
Soil Map Unit Name: Riverhead loam, rolling (RhC)  Are climatic / hydrologic conditions on the site typical for this time of year?  Are Vegetation, Soil, or Hydrology significantly disturbed?  Are "Normal Circumstances" present? Yesx No (If no, explain in Remarks.)  Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? YesX No Is the Sampled Area within a Wetland? YesX No Wetland Hydrology Present? YesX No If yes, optional Wetland Site ID:  Remarks: (Explain alternative procedures here or in a separate report.)
Are climatic / hydrologic conditions on the site typical for this time of year?  Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yesx No  Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? YesX No
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes _x _ No Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes _X _ No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes X No Is the Sampled Area within a Wetland? Yes X No Wetland Hydrology Present? Yes X No If yes, optional Wetland Site ID:  Remarks: (Explain alternative procedures here or in a separate report.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes X No Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID:  Remarks: (Explain alternative procedures here or in a separate report.)
Hydrophytic Vegetation Present?  Yes X No Is the Sampled Area within a Wetland?  Wetland Hydrology Present?  Yes X No If yes, optional Wetland Site ID:  Remarks: (Explain alternative procedures here or in a separate report.)
Hydric Soil Present?  Yes X No within a Wetland?  Yes X No If yes, optional Wetland Site ID:  Remarks: (Explain alternative procedures here or in a separate report.)
Wetland Hydrology Present?  Yes X No If yes, optional Wetland Site ID:  Remarks: (Explain alternative procedures here or in a separate report.)
Remarks: (Explain alternative procedures here or in a separate report.)
common reed marsh
HYDROLOGY
Wetland Hydrology Indicators:  Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)  Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leaves (B9) Drainage Patterns (B10)
X High Water Table (A2)  Aquatic Fauna (B13)  Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2)  X Oxidized Rhizospheres on Living Roots (C3)  Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)  Recent Iron Reduction in Tilled Soils (C6)  X  Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7) 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 x No Depth (inches): 0.5
Water Table Present? Yes x No Depth (inches): 6
Saturation Present? Yes x No Depth (inches): 0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:

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

Species? Yes	Indicator Status	Dominance Test worksheet:
	FAC	
		Number of Dominant Species That Are OBL, FACW, or FAC:(A)
		Total Number of Dominant Species Across All Strata:4 (B)
		Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
		Prevalence Index worksheet:
=Total Cover		Total % Cover of: Multiply by:
		OBL species 0 x 1 = 0
		FACW species 40 x 2 = 80
		FAC species15 x 3 =45
		FACU species 9 x 4 = 36
		UPL species0 x 5 =0
		Column Totals: 64 (A) 161 (B)
		Prevalence Index = B/A =2.52
		Hydrophytic Vegetation Indicators:
=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
		2 - Dominance Test is >50%
Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		Definitions of Vegetation Strata:
		Tree – Woody plants 3 in. (7.6 cm) or more in
		diameter at breast height (DBH), regardless of 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
=Total Cover		of size, and woody plants less than 3.28 ft tall.
		Woody vines – All woody vines greater than 3.28 ft in
Yes	FACU	height.
Yes	FACU	Hydrophytic
		Vegetation
		Present?
=Total Cover		

Sampling Point: P6-L-24 Wet

SOIL Sampling Point P6-L-24 Wet

Depth	Matrix		Redox	k Featur	es		onfirm the absence o		,	
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	KS
0-1	10YR 3/1	100					Loamy/Clayey			
1-16	2.5Y 4/2	60	2.5Y 4/1	15	D_	M	Loamy/Clayey			
			10YR 4/4	25	<u>C</u>	PL/M		Distir	nct redox cor	ncentrations
1						<del></del>	2			
'Type: C=Co	oncentration, D=Deple	etion, RM	I=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.			ining, M=Mat matic Hydric	•
Histosol			Dark Surface (	S7)					(LRR K, L, N	
	pipedon (A2)		Polyvalue Belo		ce (S8) (	LRR R,			ox (A16) ( <b>LR</b>	
Black Hi	stic (A3)		MLRA 149B	)			5 cm Mi	ucky Peat	or Peat (S3)	(LRR K, L, R)
	n Sulfide (A4)		Thin Dark Surfa						Surface (S8)	
	l Layers (A5) l Below Dark Surface	(111)	High Chroma S						(S9) (LRR K	
	ark Surface (A12)	(A11)	Loamy Mucky I			K K, L)				(LRR K, L, R) 9) (MLRA 149B)
	oodic (A17)		X Depleted Matrix		)					tside MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su		<del>-</del> 6)				Surface (F2	
	lucky Mineral (S1)		Depleted Dark	Surface	e (F7)		Other (E	Explain in F	Remarks)	
	leyed Matrix (S4)		Redox Depress	•	8)		3			
	edox (S5)		Marl (F10) (LR		-04) <b>/MI</b> I	DA 445\		=	ophytic vege	
Suripped	Matrix (S6)		Red Parent Ma	iteriai (F	·21) (IVILI	KA 145)			gy must be p	
Restrictive I	_ayer (if observed):							<u> </u>	- or problems	31.01
Type:	none	Э								
Depth (ir	nches):						Hydric Soil Prese	nt?	Yes X	No
Remarks:										



Wetland P6-L-24- View facing northeast



Wetland P6-L-24- Soils

Segment 10 – Package 6

# **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: New Ba	Itimore/Greene	Sampling Date: 11/28/22
Applicant/Owner: TDI			State: NY	Sampling Point: P6-L-23 Upl
Investigator(s): N. Frazer & J. Greaves		Section, Tov	 vnship, Range:	
Landform (hillside, terrace, etc.): hillslope	Local re	elief (concave, conve	k, none): none	Slope %: 1-2
Subregion (LRR or MLRA): LRR R	Lat: 42-26-39.44N		73-48-45.56W	Datum: WGS84
Soil Map Unit Name: Riverhead loam, rolling			NWI classification	<del></del>
Are climatic / hydrologic conditions on the site		Vac v		o, explain in Remarks.)
, ,		Yes X		,
Are Vegetation, Soil, or Hydrol			ial Circumstances" pre	
Are Vegetation, Soil, or Hydrol	·		, explain any answers	
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point locat	ions, transects, i	mportant features, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Ar	ea	
Hydric Soil Present?	Yes X No	within a Wetland?	Yes	NoX
Wetland Hydrology Present?	Yes No X	<b>I</b> f yes, optional Wet	land Site ID:	
Forested upland data point for P6-L-23 and F	<sup>2</sup> 6-L-24.			
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators	(minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Crac	cks (B6)
Surface Water (A1)	Water-Stained Leaves (B	39)	Drainage Patterns	s (B10)
— High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Wate	
Water Marks (B1)	— Hydrogen Sulfide Odor (C		Crayfish Burrows	` '
Sediment Deposits (B2)	Oxidized Rhizospheres or	- , ,		e on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	` '	Stunted or Stress	
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in Thin Muck Surface (C7)	Tilled Solls (Co)	Geomorphic Posi Shallow Aguitard	
Inundation Visible on Aerial Imagery (B7		(e)	Microtopographic	,
Sparsely Vegetated Concave Surface (B	·		FAC-Neutral Test	` '
Field Observations:	,			. ( /
Surface Water Present? Yes	No x Depth (inches):			
Water Table Present? Yes	No x Depth (inches):			
Saturation Present? Yes	No x Depth (inches):		d Hydrology Present?	? Yes No _X
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if	available:	
Remarks:				
Nomano.				

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

<u>Tree Stratum</u> (Plot size: 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Robinia pseudoacacia	30	Yes	FACU	
Rhamnus cathartica	50	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3. Prunus serotina	15	No No	FACU	
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:
	95	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' )		-		OBL species 0 x 1 = 0
1. Lonicera tatarica	15	Yes	FACU	FACW species 0 x 2 = 0
2.				FAC species 55 x 3 = 165
3.				FACU species 95 x 4 = 380
4.				UPL species 0 x 5 = 0
5.				Column Totals: 150 (A) 545 (B)
6.				Prevalence Index = B/A = 3.63
7.				Hydrophytic Vegetation Indicators:
	15	=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 <sup>1</sup>
2. Toxicodendron radicans	5	No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	40	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2				
3.				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: P6-L-23 Upl

SOIL Sampling Point P6-L-23 Upl

Profile Desc Depth	ription: (Describe to Matrix	the de	-	<b>cument tl</b> lox Featur		ator or co	onfirm the absence o	of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-11	10YR 3/2	95	10YR 6/8	5		M	Loamy/Clayey	Prominent redox concentrations
11-16	10YR 3/2	90	10YR 2/2	10	С	М	Loamy/Clayey	Faint redox concentrations
				- — - — - — - —				
		<u> </u>		- — - —	<u> </u>	_		
	oncentration, D=Deple	tion, RN	M=Reduced Matrix,	MS=Mas	ked Sand	d Grains.	<sup>2</sup> Location: F	PL=Pore Lining, M=Matrix.
Black His Hydrogei Stratified Depleted Thick Da Mesic Sp (MLR Sandy M Sandy G Sandy R Stripped	ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface rk Surface (A12) codic (A17) A 144A, 145, 149B) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6)		Dark Surface Polyvalue Be MLRA 149 Thin Dark Su High Chroma Loamy Muck Loamy Gleye Depleted Mar X Redox Dark S Depleted Dar Redox Depre Marl (F10) (L Red Parent M	elow Surface (S9) a Sands (Se) y Mineral ed Matrix (trix (F3) Surface (Fork Surface essions (Fork K, L)	(LRR R 611) (LRI (F1) (LRI F2) (F6) (F7) 8)	, MLRA 1 R K, L) R K, L)	2 cm Mi Coast P 5 cm Mi Polyvalu Thin Da Iron-Ma Piedmo Red Paı Very Sh Other (E	for Problematic Hydric Soils <sup>3</sup> :  suck (A10) (LRR K, L, MLRA 149B)  Prairie Redox (A16) (LRR K, L, R)  sucky Peat or Peat (S3) (LRR K, L, R)  sue Below Surface (S8) (LRR K, L)  surface (S9) (LRR K, L)  surface (F12) (LRR K, L, R)  surface (F12) (MLRA 149B)  surface (F22)  surface (F22)
Type: _ Depth (ir	none nches):	!					Hydric Soil Prese	nt? Yes X No
Remarks:								



Upland P6-L-23 and 24- View facing southwest



Upland P6-L-23 and 24- Soils

Segment 10 – Package 6

# **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: New Ba	altimore/Greene	Sampling Date: 11/28/22
Applicant/Owner: TDI			State: NY	Sampling Point: P6-M-5 Wet
Investigator(s): N. Frazer & J. Greaves		Section, To	wnship, Range:	<u> </u>
Landform (hillside, terrace, etc.): depression	n Local re	elief (concave, conve	x, none): concave	Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 42-26-39.45N	•	73-48-42.01W	Datum: WGS84
Soil Map Unit Name: Riverhead loam, rolling			NWI classification:	PEM
Are climatic / hydrologic conditions on the site	, , ,	Yes x		explain in Remarks.)
, ,	**		` `	
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese	
Are Vegetation, Soil, or Hydrol	· <del></del>		d, explain any answers in	
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point locat	tions, transects, im ———	portant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea	
Hydric Soil Present?	Yes X No	within a Wetland?	? Yes <u>X</u>	No
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID:	
Remarks: (Explain alternative procedures he	ere or in a separate report.)			
common reed 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	
X Surface Water (A1)	Water-Stained Leaves (B	9)	Drainage Patterns (	
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C	>1)	Crayfish Burrows (C	28)
Sediment Deposits (B2)	X Oxidized Rhizospheres or	n Living Roots (C3)		n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	` '	Stunted or Stressed	, ,
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	X Geomorphic Positio	, ,
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D	
Inundation Visible on Aerial Imagery (B7)	′ <del></del> ` '	s)	Microtopographic R	
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test ([	D5)
Field Observations:				
Surface Water Present? Yes x	No Depth (inches): _	0.5		
Water Table Present? Yes x	No Depth (inches): _	6		Y Y N
Saturation Present? Yes x	No Depth (inches): _	0 Wetlan	d Hydrology Present?	YesX_ No
(includes capillary fringe)  Describe Recorded Data (stream gauge, mor	nitering well corial photos prov	ricus increations) if	available:	
Describe Recorded Data (Stream gauge, mod	Altoring well, aerial priotos, prev	/ious inspections), ii	avaliable.	
Remarks:				

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

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
•				Number of Dominant Species
				That Are OBL, FACW, or FAC: 3 (A)
	•			
				Total Number of Dominant Species Across All Strata: 3 (B)
		· ——		Cpecies / Gross / Mr Ctiata.
				Percent of Dominant Species That Are ORL FACILITY FACILITY (A/R)
·		. ——		That Are OBL, FACW, or FAC: 100.0% (A/B
·				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species35 x 1 =35
. Salix alba	8	Yes	FACW	FACW species 58 x 2 = 116
·				FAC species13 x 3 =39
3				FACU species0 x 4 =0
i				UPL species3 x 5 =15
5.				Column Totals: 109 (A) 205 (B
5.				Prevalence Index = B/A = 1.88
·				Hydrophytic Vegetation Indicators:
	8	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )		-		X 2 - Dominance Test is >50%
. Phragmites australis	50	Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Lythrum salicaria	35	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supportir
3. Equisetum hyemale	8	No	FAC	data in Remarks or on a separate sheet)
l. Daucus carota		No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	1	No	UPL	<del></del>
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
5. Juncus tenuis	5	No	FAC_	be present, unless disturbed or problematic.
,				Definitions of Vegetation Strata:
3				Tree – Woody plants 3 in. (7.6 cm) or more in
)		·		diameter at breast height (DBH), regardless of height
0				Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardles
	101	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in
				height.
)				
3.				Hydrophytic
				Vegetation Present? Yes X No
•		=Total Cover		
		i otai oovel		1

SOIL Sampling Point P6-M-5 Wet

Depth	ription: (Describe to Matrix	ine depin		x Featur		ator or co	onnim the absence o	i indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	F	Remarks	
0-16	2.5Y 3/1	95	10YR 5/6	5		PL/M	Loamy/Clayey	Prominent re	edox cond	centrations
	oncentration, D=Depleti	on, RM=R	educed Matrix, N	MS=Masl	ked San	d Grains.		L=Pore Lining, I		
Hydric Soil I Histosol			Dark Surface (	(S7)				or Problematic ick (A10) (LRR I	-	
	ipedon (A2)		Polyvalue Belo		ce (S8) (	LRR R.		rairie Redox (A1		
Black His			MLRA 149B		00 (00) (	,		icky Peat or Pea		
	n Sulfide (A4)		Thin Dark Surf	,	(LRR R	. MLRA 1		e Below Surface		
	Layers (A5)		High Chroma					rk Surface (S9) (		
	Below Dark Surface (/		Loamy Mucky					nganese Masses		
	rk Surface (A12)	`''' <u> </u>	Loamy Gleyed			IX IX, L)		nt Floodplain Soi		
	oodic (A17)		_ Depleted Matri		1 2)			ent Material (F2		
	A 144A, 145, 149B)		_ Bepleted Wath		6)			allow Dark Surfa		uc MENA 140
	ucky Mineral (S1)		Depleted Dark	•	•			xplain in Remar		
	leyed Matrix (S4)		Redox Depres					хрант нт котпаг	ilo)	
	edox (S5)		_ Marl (F10) ( <b>LR</b>		3,		<sup>3</sup> Indicate	ors of hydrophyti	c vegetat	ion and
	Matrix (S6)		Red Parent Ma		21) (MI I	RΔ 145)		nd hydrology mu	-	
		_	_ rear arent we	aterial (i	21) (IVILI			disturbed or pr		
Restrictive L Type:	.ayer (if observed):									
Depth (ir							Hydric Soil Prese	nt? Voc	Х	No
Remarks:			<del></del>				Hydric 30ii Fresei	165		<u> </u>
Nemarks.										



Wetland P6-M-5- View facing northwest



Wetland P6-M-5- Soils

Segment 10 – Package 6

# **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: New Ba	altimore/Greene	Sampling Date: 11/28/2	2
Applicant/Owner: TDI			State: NY	Sampling Point: P6-M-5	J Upl
Investigator(s): N. Frazer & J. Greaves		Section, To	——— wnship, Range:		
Landform (hillside, terrace, etc.): flat	Local re	elief (concave, conve	x, none): none	Slope %: (	 ე
Subregion (LRR or MLRA): LRR R	Lat: 42-26-39.58N		73-48-42.18W	 Datum: WGS84	
Soil Map Unit Name: Riverhead loam, rolling			NWI classification:	N/A	
Are climatic / hydrologic conditions on the site t	,	Yes x	<del></del>	explain in Remarks.)	_
Are Vegetation , Soil , or Hydrolc			- "No (N No, ) nal Circumstances" prese	•	
Are Vegetation , Soil , or Hydrold			d, explain any answers in		_
SUMMARY OF FINDINGS – Attach s					C.
Hydrophytic Vegetation Present?	Vos No Y	Is the Sampled A			
	Yes No X Yes No X	within a Wetland		No X	
•	Yes No X	If yes, optional We		<u> </u>	
Remarks: (Explain alternative procedures her successional old field	e or in a separate report.)				
HYDROLOGY					_
Wetland Hydrology Indicators:			•	ninimum of two required)	
Primary Indicators (minimum of one is require			Surface Soil Cracks		
Surface Water (A1)	Water-Stained Leaves (BS	9)	Drainage Patterns (		
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B		
Saturation (A3)	— Marl Deposits (B15)		Dry-Season Water		
Water Marks (B1)	— Hydrogen Sulfide Odor (C		Crayfish Burrows (C	,	
Sediment Deposits (B2)	Oxidized Rhizospheres on			n Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron	` '	Stunted or Stressed		
Algal Mat or Crust (B4)	Recent Iron Reduction in Thin Music Surface (C7)	Tilled Soils (Cb)	Geomorphic Positio		
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	-1	Shallow Aquitard (D Microtopographic Re	,	
Sparsely Vegetated Concave Surface (B8	<del></del> ` '	S)	FAC-Neutral Test (I	` '	
E II O I I I I I I I I I I I I I I I I I	,		IAO-Neullai 103. (L		
Field Observations: Surface Water Present? Yes	No v Denth (inches):				
Water Table Present? Yes	No x Depth (inches): Depth (inches): Depth (inches):				
Saturation Present? Yes	No x Depth (inches):		d Hydrology Present?	Yes No _X	
Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Dopar (monec).		a Hydrology i resent.	163160	_
Describe Recorded Data (stream gauge, moni		vious inspections), if	available:		
	, , , , , , , , , , , , , , , , , , ,	,			
Remarks:					

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

T. 01 (DL) (DL)	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
1		- <u> </u>		Number of Dominant Species That Are OBL, FACW, or FAC:1(A)
3		·		Total Number of Dominant Species Across All Strata: 3 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 33.3% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0
1. Juniperus virginiana	15	Yes	FACU	FACW species 8 x 2 = 16
2				FAC species 20 x 3 = 60
3				FACU species 62 x 4 = 248
4				UPL species25 x 5 =125
5				Column Totals: 115 (A) 449 (B)
6				Prevalence Index = B/A = 3.90
7				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				2 - Dominance Test is >50%
1. Solidago canadensis	30	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Daucus carota	15	<u>No</u>	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Galium boreale	20	Yes	FAC	data in Remarks or on a separate sheet)
4. Phragmites australis	8	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Plantago lanceolata	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. Rosa multiflora	5	No	FACU	be present, unless disturbed or problematic.
7. Artemisia vulgaris	10	No	UPL	Definitions of Vegetation Strata:
8. Juniperus virginiana	5	No	FACU	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
	98	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in
1. Celastrus orbiculatus	2	No	FACU	height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
	2	=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)	•		1
	,			

Sampling Point: P6-M-5 Upl

SOIL Sampling Point P6-M-5 Upl

Profile Desc Depth	ription: (Describe t Matrix	o the de	-	<b>ument th</b> x Feature		ator or co	onfirm the absence of	indicator	rs.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	S
0-3	2.5Y 4/2	100					Loamy/Clayey			
3-16	2.5Y 4/3	100					Loamy/Clayey			
3-10	2.51 4/5						Loamy/Clayey			
	<u> </u>									
	ncentration, D=Deple	etion, RN	/I=Reduced Matrix, N	1S=Masl	ked Sand	d Grains.	<sup>2</sup> Location: PL			
Hydric Soil I			Dank Confess (	C7)			Indicators for		-	
— Histosol	(A1) ipedon (A2)		Dark Surface ( Polyvalue Belo		00 (88) (	I DD D		, , ,	LRR K, L, M x (A16) (LRI	,
Black His			MLRA 149B		Le (36) (I	LKK K,				(LRR K, L, R)
	n Sulfide (A4)		Thin Dark Surf	•	(LRR R	. MLRA 1			urface (S8) (	
	Layers (A5)		High Chroma S						(S9) ( <b>LRR K</b>	
	Below Dark Surface	(A11)	Loamy Mucky							(LRR K, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (I	F2)		Piedmont	Floodpla	in Soils (F19	) (MLRA 149B)
	odic (A17)		Depleted Matri	x (F3)						side MLRA 145)
	A 144A, 145, 149B)		Redox Dark Su	•					Surface (F2	2)
	ucky Mineral (S1)		Depleted Dark				Other (Ex	plain in R	lemarks)	
	leyed Matrix (S4) edox (S5)		Redox Depress Marl (F10) (LR		3)		<sup>3</sup> Indicator	o of budge	ophytic veget	tation and
	Matrix (S6)		Red Parent Ma		21) <b>(MI F</b>	2Δ 145)			y must be p	
outpped	Wattix (OO)			iteriai (i	21) (I <b>III</b>	UA 140)			or problema	
Restrictive L	.ayer (if observed):									
Type:	none	е								
Depth (in	ches):						Hydric Soil Present	t?	Yes	No X
Remarks:										



**Upland P6-M-5- View facing west** 



**Upland P6-M-5- Soils** 

Segment 10 – Package 6

# **SITE PHOTOGRAPHS**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Solar Farm - MP 206.1, G-SF-A	City/County: New Baltimore/Greene Sampling Date: 8/30/2023
Applicant/Owner: CHPE	State: NY Sampling Point: sF-A-Wet
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: New Baltimore
Landform (hillside, terrace, etc.): Till Plains	Local relief (concave, convex, none): Convex Slope (%): 0
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 26' 05.32	- · · · · · · · · · · · · · · · · · · ·
Soil Map Unit Name: Nassau Channery Silt Loam	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of	
Are Vegetation, Soil, or Hydrology significa	
Are Vegetation, Soil, or Hydrology naturally	y problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No	Is the Sampled Area within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	within a Wetland? Yes X No  If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate rep	
Remarks. (Explain alternative procedures here or in a separate rep	Join.)
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	y) Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Staine	ed Leaves (B9) X Drainage Patterns (B10)
High Water Table (A2) Aquatic Faur	na (B13) Moss Trim Lines (B16)
X Saturation (A3) Marl Deposit	ts (B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sւ	ulfide Odor (C1) Crayfish Burrows (C8)
l <del></del>	izospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of	Reduced Iron (C4) Stunted or Stressed Plants (D1)
<del></del>	Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) — Thin Muck S	
<del></del>	min in Remarks)  Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inch	ies):5
Water Table Present? Yes No X Depth (inch	(es):
Saturation Present? Yes X No Depth (inch	nes):2 Wetland Hydrology Present? Yes _X No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial pho	ntoe previous inspections) if available:
Describe Necorded Data (stream gauge, monitoring well, acrial pric	nos, previous inspections), il available.
Remarks:	

**VEGETATION** – Use scientific names of plants. Sampling Point: SF-A-Wet Absolute Dominant Indicator Tree Stratum (Plot size: \_\_\_\_ 30' \_\_\_) % Cover **Dominance Test worksheet:** Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: 5 (A) **Total Number of Dominant** 4. Species Across All Strata: 5 Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 100.0% (A/B) Prevalence Index worksheet: Total % Cover of: \_\_\_\_ =Total Cover Sapling/Shrub Stratum (Plot size: 15') \_\_\_\_ x 1 = \_\_\_\_ OBL species FACW species \_\_\_\_\_ x 2 = \_\_\_\_ 2. FAC species x 3 = \_\_\_\_ FACU species x 4 = \_\_\_\_ UPL species x 5 = Column Totals: (A) (B) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** \_\_\_\_\_ =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5' ) X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0<sup>1</sup> Penthorum sedoides 15 Yes OBL 5 2. Lobelia siphilitica No **FACW** 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) 15 \_\_ \_ Yes 3. Artemisia vulgaris FAC 10 OBL 4. Juncus effusus Yes Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 10 \_\_\_ \_ 5. Typha angustifolia Yes OBL <sup>1</sup>Indicators of hydric soil and wetland hydrology must 6. Impatiens capensis 10 Yes **FACW** be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 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. Herb - All herbaceous (non-woody) plants, regardless 65 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 15') Woody vines - All woody vines greater than 3.28 ft in 1. height. **Hydrophytic** Vegetation Present? Yes X No =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point: SF-A-Wet

Profile Description: (Describe to the d	epth needed to doc	ument the i	ndicator	or conf	irm the absence of indicat	tors.)
Depth Matrix	Redo	x Features				
(inches) Color (moist) %	Color (moist)	<u>%</u> T	Гуре <sup>1</sup> I	_oc <sup>2</sup>	Texture	Remarks
<sup>1</sup> Type: C=Concentration, D=Depletion, R	PM=Reduced Matrix (		d or Coate	nd Sand	Grains <sup>2</sup> I ocation: PI	=Pore Lining, M=Matrix.
Hydric Soil Indicators:	ivi–rteduced iviatrix, t	30-Covered	J OI COAL	od Odnu	Indicators for Problem	
	Dobavalua Polo	v Surface (S	20) /I DD	В		
Histosol (A1)	Polyvalue Belov	-	56) ( <b>LKK</b>	κ,		LRR K, L, MLRA 149B)
Histic Epipedon (A2)	MLRA 149B)		D D MI I	34 440		ox (A16) (LRR K, L, R)
Black Histic (A3)	Thin Dark Surfa				· ——	or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4)	High Chroma S		•			urface (S8) (LRR K, L)
Stratified Layers (A5)	Loamy Mucky N		(LRR K,	L)	Thin Dark Surface	
Depleted Below Dark Surface (A11)	Loamy Gleyed					lasses (F12) ( <b>LRR K, L, R</b> )
Thick Dark Surface (A12)	Depleted Matrix					in Soils (F19) ( <b>MLRA 149B</b> )
Sandy Mucky Mineral (S1)	Redox Dark Su					6) (MLRA 144A, 145, 149B)
Sandy Gleyed Matrix (S4)	Depleted Dark		)		Red Parent Materia	
Sandy Redox (S5)	Redox Depress	ions (F8)			Very Shallow Dark	Surface (TF12)
Stripped Matrix (S6)	Marl (F10) ( <b>LRI</b>	R K, L)			Other (Explain in R	Remarks)
Dark Surface (S7)						
<sup>3</sup> Indicators of hydrophytic vegetation and	wetland hydrology m	ust be prese	ent, unles	s disturb	oed or problematic.	
Restrictive Layer (if observed):						
Type:						
Depth (inches):					Hydric Soil Present?	Yes _ X _ No
Remarks:	TV TO LINDEDODOL	IND ELECT	.DIO 41 14	<b>"DEO</b>		
NO SOIL HOLE DUG DUE TO PROXIMI	TY TO UNDERGROU	JND ELECT	RICAL W	IRES.		



Wetland G-SF-A-Wet



**Wetland G-SF-A-Wet - Soils** 

**Supplemental Package 6** 

**SITE PHOTOGRAPHS** 

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE - Solar Farm - MP 206.1, G-SF-A	City/County: New Baltimore/Greene Sampling Date: 8/30/2023
Applicant/Owner: CHPE	State: NY Sampling Point: SF-A-Up
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: New Baltimore
	ocal relief (concave, convex, none): Convex Slope (%): 0
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 26' 05.32"	· · · · · · · · · · · · · · · · · · ·
Soil Map Unit Name: Nassau Channery Silt Loam	NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of years.	
Are Vegetation, Soil, or Hydrology significant	
Are Vegetation, Soil, or Hydrology naturally p	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 No X	Is the Sampled Area
Hydrophytic Vegetation Present?  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 here or in a separate repo	
Tromano. (Explain alternative procedures note of in a separate repe	11.7
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 Sulf	
l <del></del>	ospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
<del></del>	educed Iron (C4) Stunted or Stressed Plants (D1)
<del></del>	eduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5)  — Thin Muck Sur  Other (Explain	<del></del>
Inundation Visible on Aerial Imagery (B7) Other (Explain Sparsely Vegetated Concave Surface (B8)	in Remarks)  Microtopographic Relief (D4)  FAC-Neutral Test (D5)
	TAC-Neutral Test (D3)
Field Observations:  Surface Water Present? Yes No X Depth (inche:	2):
Surface Water Present? Yes No X Depth (inche: Water Table Present? Yes No X Depth (inche:	s):
Saturation Present? Yes No X Depth (inches	
(includes capillary fringe)	75   Woulded Hydrology 1 1000Ht. 100 NOX
Describe Recorded Data (stream gauge, monitoring well, aerial photo	os, previous inspections), if available:
Remarks:	

**VEGETATION** – Use scientific names of plants. Sampling Point: SF-A-Up Absolute Dominant Indicator Tree Stratum (Plot size: \_\_\_\_ 30' \_\_\_) % Cover **Dominance Test worksheet:** Species? Status 1. **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: (A) **Total Number of Dominant** 4. Species Across All Strata: 5 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 0.0% (A/B) Prevalence Index worksheet: Total % Cover of: =Total Cover Sapling/Shrub Stratum (Plot size: 15') x 1 = \_\_\_\_ OBL species FACW species \_\_\_\_\_ x 2 = \_\_\_\_ 1. Rhus typhina \_\_\_\_10\_\_\_ 2. FAC species x 3 = \_\_\_\_ 3. FACU species \_\_\_\_ x 4 = \_\_\_\_ 4. UPL species x 5 = 5. Column Totals: (A) (B) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 10 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 2 - Dominance Test is >50% 15 3 - Prevalence Index is ≤3.01 Ambrosia artemisiifolia **FACU** Yes 2. Erechtites hieraciifolia 10 Yes UPL 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) 5 \_\_ \_ No Setaria pumila FAC 3. 15 UPL 4. Artemisia vulgaris Yes Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5 \_\_ \_ 5. Phytolacca americana No **FACU** <sup>1</sup>Indicators of hydric soil and wetland hydrology must 5 FAC be present, unless disturbed or problematic. 6. Persicaria virginiana No Verbascum thapsus 5 No **UPL Definitions of Vegetation Strata:** 8. Tree - Woody plants 3 in. (7.6 cm) or more in 9. diameter at breast height (DBH), regardless of height. 10. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless 60 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 15') Woody vines - All woody vines greater than 3.28 ft in \_\_\_\_ 5 Yes 1. Rubus allegheniensis height. 2. Hydrophytic 3. Vegetation Present? Yes No X 5 =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth Matrix Redox Features

Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix
Hydric Soil Indicators: Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149
Histic Epipedon (A2)  MLRA 149B)  Coast Prairie Redox (A16) (LRR K, L, R
Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K,
Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 145, 145, 145, 145, 145, 145, 145
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21)
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (TF12)
Stripped Matrix (S6) Marl (F10) ( <b>LRR K, L</b> ) Other (Explain in Remarks)
Dark Surface (S7)
<sup>3</sup> 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
Remarks:
Remarks: NO DATA HOLE DUG DUE TO PROXIMITY TO UNDERGROUND ELECTRICAL WIRING.



**Upland G-SF-A-Up** 



**Upland G-SF-A-Up- Soils** 

**Supplemental Package 6** 

# SITE PHOTOGRAPHS

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6	City/County: Hannacroix Sampling Date: 11/30/21
Applicant/Owner: CHA	State: NY Sampling Point: GB-2
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.):	relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.42982	Long: -73.80913 Datum: NAD83
Soil Map Unit Name:	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation No , Soil N , or Hydrology N significantly distur	
Are Vegetation N, Soil N, or Hydrology N naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydrophytic Vegetation Present? Yes X No 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 GB	
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) X_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 Remains)	
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 X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	

**VEGETATION** – Use scientific names of plants. Sampling Point: GB-2 Absolute Dominant Indicator Tree Stratum (Plot size: 30 % Cover Species? Status **Dominance Test worksheet:** 1. Number of Dominant Species 2. That Are OBL, FACW, or FAC: 3. Total Number of Dominant 4. Species Across All Strata: (B) 5. Percent of Dominant Species That Are OBL, FACW, or FAC: 6. 100.0% (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15 ) OBL species 1. **FACW** species 75 x 2 = 150 2. FAC species 75 x 3 = 3. **FACU** species 0 x 4 = 4. **UPL** species x 5 = 5. Column Totals: 150 375 (B) 6. Prevalence Index = B/A = 2.50 7. **Hydrophytic Vegetation Indicators:** =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: X 2 - Dominance Test is >50% Phragmites australis **FACW** X 3 - Prevalence Index is ≤3.0<sup>1</sup> 2. Euthamia graminifolia 40 Yes FAC 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) 35 3. Solidago Yes FAC 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. Tree – Woody plants 3 in. (7.6 cm) or more in 9. diameter at breast height (DBH), regardless of height. 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 150 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: Woody vines - All woody vines greater than 3.28 ft in height. 2. **Hydrophytic** 3. Vegetation No \_\_ Present? Yes x =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point GB-2

Color (moist)	Depth	Matrix	-	Redo	x Featur	es			•
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histosol (A2)  Black Histic Epipedon (A2)  MLRA 149B)  Black Histic (A3)  Thin Dark Surface (S9) (LRR R, MLRA 149B)  Stor Mucky Peat or Peat (S3) (LRR K, L, R)  Hydrogen Sulfide (A4)  High Chroma Sands (S11) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Polyvalue Below Surface (S9) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Thick Dark Surface (A11)  Loamy Mucky Mineral (F1) (LRR K, L)  Thick Dark Surface (A12)  X Depleted Matrix (F2)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Redox Dark Surface (F6)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F6)  Sandy Redox (S5)  Redox Depressions (F8)  Very Shallow Dark Surface (F2)  Shripped Matrix (S6)  Dark Surface (S7)  Dark Surface (S7)  Amatric (F1)  Mari (F10) (LRR K, L)  Derket (F8)  Derket of Mydrophytic vegetation and welland hydrology must be present, unless disturbed or problematic.  Hydric Soil Present?  Yes X No	(inches)	Color (moist) %	Со	lor (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Hydric Soil Indicators: Histosol (A1) Histosol (A2) Histosol (A2) Black Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A12) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Depleted Matrix (S4) Depleted Matrix (S4) Depleted Matrix (S4) Sandy Redox (S5) Redox Dark Surface (F6) Sandy Redox (S5) Redox Dark Surface (F7) Red Parent Material (F2) Sandy Redox (S5) Redox Depressions (F8) Dark Surface (S7)  Sardy Redox (S5) Marl (F10) (LRR K, L) Derive Matrix (S6) Dark Surface (S7)  Weyr Shallow Dark Surface (F2) Stripped Matrix (S6) Marl (F10) (LRR K, L) Derive Matrix (S6) Dark Surface (S7)  Weyr Shallow Dark Surface (F2) Stripped Matrix (S6) Dark Surface (S7)  Weyr Shallow Dark Surface (F2) Chher (Explain in Remarks)  Hydric Soil Present?  Yes X No  Hydric Soil Present?	0-16	10yr 3/1 90	,	10yr 5/8	10			Loamy/Clayey	Prominent
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) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Stripped Matrix (S4) Dark Surface (S7)  Marl (F10) (LRR K, L) Depleted Dark Surface (S7)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Moucky Mineral? Yes X No									
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) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Stripped Matrix (S4) Dark Surface (S7)  Marl (F10) (LRR K, L) Depleted Dark Surface (S7)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Moucky Mineral? Yes X No									
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) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Stripped Matrix (S4) Dark Surface (S7)  Marl (F10) (LRR K, L) Depleted Dark Surface (S7)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Moucky Mineral? Yes X No									
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) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Stripped Matrix (S4) Dark Surface (S7)  Marl (F10) (LRR K, L) Depleted Dark Surface (S7)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Moucky Mineral? Yes X No									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A11)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Redox (S5)  Redox Dark Surface (F6)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Hydric Soil Present?  Hydric Soil Present?  Hydric Soil Present?  Yes X No									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A11)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Redox (S5)  Redox Dark Surface (F6)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Hydric Soil Present?  Hydric Soil Present?  Hydric Soil Present?  Yes X No									
Hydric Soil Indicators:  Histosol (A1)  Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)  MLRA 149B)  Black Histic (A3)  High Chroma Sands (S11) (LRR K, L)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A11)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Redox (S5)  Redox Dark Surface (F6)  Stripped Matrix (S6)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Hydric Soil Present?  Hydric Soil Present?  Hydric Soil Present?  Yes X No									
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) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Stripped Matrix (S4) Dark Surface (S7)  Marl (F10) (LRR K, L) Depleted Dark Surface (S7)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Moucky Mineral? Yes X No									
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) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Stripped Matrix (S4) Dark Surface (S7)  Marl (F10) (LRR K, L) Depleted Dark Surface (S7)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Moucky Mineral? Yes X No									
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) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Stripped Matrix (S4) Dark Surface (S7)  Marl (F10) (LRR K, L) Depleted Dark Surface (S7)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Moucky Mineral? Yes X No			_						
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) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Stripped Matrix (S4) Dark Surface (S7)  Marl (F10) (LRR K, L) Depleted Dark Surface (S7)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Moucky Mineral? Yes X No									
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) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Stripped Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7)  Marl (F10) (LRR K, L)  Bepth (inches):  Hydric Soil Present?  Yes X No			_						
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) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Stripped Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7)  Marl (F10) (LRR K, L)  Bepth (inches):  Hydric Soil Present?  Yes X No									
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) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Stripped Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7)  Marl (F10) (LRR K, L)  Bepth (inches):  Hydric Soil Present?  Yes X No									
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) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Stripped Matrix (S4) Dark Surface (S7)  Marl (F10) (LRR K, L) Depleted Dark Surface (S7)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Moucky Mineral? Yes X No									
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) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F6) Stripped Matrix (S4) Dark Surface (S7)  Marl (F10) (LRR K, L) Depleted Dark Surface (S7)  Marl (F10) (LRR K, L)  Hydric Soil Present?  Yes X No  Moucky Mineral? Yes X No									
Histosol (A1)	<sup>1</sup> Type: C=Co	oncentration, D=Depletion,	RM=Red	uced Matrix, N	//S=Mas	ked San	d Grains.		
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)  Polyvalue Below Surface (S8) (LRR K, L)  Stratified Layers (A5)  Loamy Mucky Mineral (F1) (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)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Redox Dark K, L)  Marl (F10) (LRR K, L)  Other (Explain in Remarks)  Piedmont Floodplain Soils (F19) (MLRA 149 Explain in Remarks)  Wery Shallow Dark Surface (F22)  Other (Explain in Remarks)  Hydric Soil Present?  Yes X No  Hydric Soil Present?	-								
Black Histic (A3)		` '	P	=		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 (A11)  Loamy Gleyed Matrix (F2)  Thin Dark Surface (S9) (LRR K, L)  Iron-Manganese Masses (F12) (LRR K, L, R)  Piedmont Floodplain Soils (F19) (MLRA 149  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Stripped Matrix (S6)  Dark Surface (S7)  Arrived Matrix (S6)  Dark Surface (S7)  Arrived Matrix (S6)  Dark Surface (S7)  Arrived Matrix (S6)  Dark Surface (S7)  Hydric Soil Present?  Yes X  No									
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)  Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R  Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149  Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149E  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 X No									
Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (F3)  Redox Dark Surface (F6)  Sandy Gleyed Matrix (S4)  Depleted Dark Surface (F7)  Red Parent Material (F21)  Sandy Redox (S5)  Stripped Matrix (S6)  Dark Surface (F7)  Dark Surface (S7)  Marl (F10) (LRR K, L)  Dark Surface (S7)  Redox Depressions (F8)  Other (Explain in Remarks)  Dark Surface (S7)  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes X No									
Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149 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) 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 X No							R K, L)		
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) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7)  3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No						F2)			
Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Redox Depressions (F8)  Very Shallow Dark Surface (F22)  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 X No									
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 X No						-			
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 X No				· ·	•	3)			
Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present?  Yes X No			N	1arl (F10) ( <b>LR</b>	RK, L)			Other (Explain	in Remarks)
Restrictive Layer (if observed):         Type:         Hydric Soil Present?         Yes _ X _ No	Dark Sur	face (S7)							
Restrictive Layer (if observed):         Type:         Hydric Soil Present?         Yes _ X _ No	3								
Type:			id wetland	hydrology m	ust be pr	esent, ui	nless dist	urbed or problematic.	
Depth (inches): Hydric Soil Present? Yes X No		_ayer (if observed):							
	Type:			_					
Remarks:	Depth (ir	nches):						Hydric Soil Present?	Yes X No
	Remarks:								



Wetland GB- View facing east



**Wetland GB- Soils** 

Segment 10 – Package 6

# **SITE PHOTOGRAPHS**



Wetland GB- View facing west



**Wetland GB- Soils** 

Segment 10 – Package 6

# **SITE PHOTOGRAPHS**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

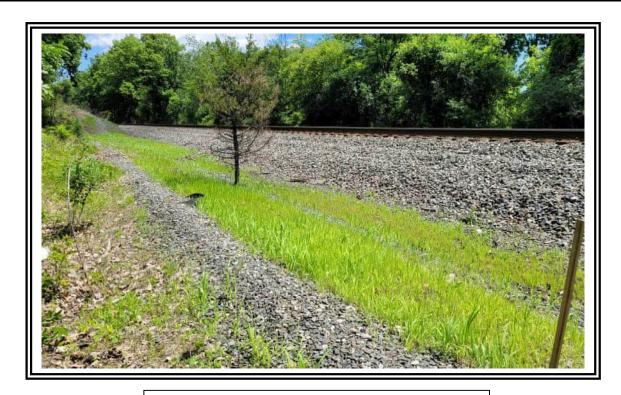
Project/Site: CHPE	City/County: New Baltimore/Green Sampling Date: 6.17.22
Applicant/Owner: TDI	State: NY Sampling Point: GB Upl
Investigator(s): John Greaves & Chris Einstein	Section, Township, Range:
	relief (concave, convex, none): Convex Slope %: 20
Subregion (LRR or MLRA): LRR R Lat: 42.429692	Long: -73.809108 Datum: NAD83
Soil Map Unit Name: KrA, KrB - Kingsbury and Rhinebeck soils	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present?  Yes  No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Railroad embankment.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (	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)	: <u></u>
Water Table Present? Yes No X Depth (inches)	: <u></u>
Saturation Present? Yes No 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:	
ī.	

 VEGETATION – Use scientific names of plants.
 Sampling Point:
 GB Upl

<u>Tree Stratum</u> (Plot size:30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1(A)
3.       4.				Total Number of Dominant Species Across All Strata: 1 (B)
<ul><li>5.</li><li>6.</li></ul>				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15 )		_		OBL species 0 x1 = 0
1. Juniperus virginiana	2	No	FACU	FACW species 0 x 2 = 0
2.				FAC species 50 x 3 = 150
•				FACU species 5 x 4 = 20
				UPL species 0 x 5 = 0
5				Column Totals: 55 (A) 170 (B)
· -				
6.				Prevalence Index = B/A = 3.09
7		- <u> </u>		Hydrophytic Vegetation Indicators:
	2	=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 <sup>1</sup>
2. Ambrosia artemisiifolia	2	No	FACU	4 - Morphological Adaptations (Provide supporting
3. Oenothera biennis	1	No	FACU	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
Q				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
-				dameter at breast height (bbH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Harb All barbassas (non woods) plants remarkless
	53	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30 )		-		
				Woody vines – All woody vines greater than 3.28 ft in height.
				noight.
				Hydrophytic
3.				Vegetation
4				Present?
		_=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

SOIL Sampling Point GB Upl

Profile Desc	ription: (Describe to	the dept	n needed to docu	ument th	ne indica	tor or co	confirm the absence of indicators.)	
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks	
								_
								_
								_
								_
								_
								_
								_
								_
								_
								_
								_
1								_
	ncentration, D=Deple	tion, RM=I	Reduced Matrix, N	/IS=Masi	ked Sand	Grains.		
Hydric Soil I			Debender Deb	0	(00) (1	DD D	Indicators for Problematic Hydric Soils <sup>3</sup> :	
— Histosol (		_	Polyvalue Belo		ce (S8) ( <b>I</b>	RK K,	2 cm Muck (A10) (LRR K, L, MLRA 149B)	
Black His	ipedon (A2)		MLRA 149B	•	/I DD D	MI DA 1	Coast Prairie Redox (A16) (LRR K, L, R)	
	n Sulfide (A4)	_	Thin Dark Surf High Chroma S				149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L)	
	Layers (A5)	_	Loamy Mucky				Thin Dark Surface (S9) (LRR K, L)	
	Below Dark Surface	(A11) —	Loamy Gleyed			( IX, L)	Iron-Manganese Masses (F12) (LRR K, L, R	,
	rk Surface (A12)		Depleted Matri		· <i>2)</i>		Piedmont Floodplain Soils (F19) (MLRA 149)	
	ucky Mineral (S1)	_	Redox Dark Su	` '	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B	
	eyed Matrix (S4)	_	— Depleted Dark	•	,		Red Parent Material (F21)	,
	edox (S5)	_	Redox Depress				Very Shallow Dark Surface (F22)	
	Matrix (S6)	_	— Marl (F10) ( <b>LR</b>	RK, L)			Other (Explain in Remarks)	
Dark Sur	face (S7)	_	_				<del></del>	
<sup>3</sup> Indicators of	hydrophytic vegetation	on and wet	land hydrology mu	ust be pr	esent, ur	less dist	sturbed or problematic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Present? Yes No X	
Remarks:								_
	n is revised from Nort	thcentral a	nd Northeast Reg	ional Su	pplement	Version	n 2.0 to include the NRCS Field Indicators of Hydric Soils,	
	2015 Errata. (http://wv	vw.nrcs.us	da.gov/Internet/F	SE_DOC	UMENT	S/nrcs14:	42p2_051293.docx)	
Soils consist	of railroad ballast.							



Upland GB- View facing north/northwest



**Upland GB- Soils** 

Segment 10 – Package 6

# SITE PHOTOGRAPHS

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE- Package 6- New Baltimore Laydown Area	City/County: New Baltimore/ Greene Sampling Date: 8/25/2022					
Applicant/Owner: CHPE	State: NY Sampling Point: GP6-C-Wet					
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: Town of New Baltimore					
	relief (concave, convex, none): Concave Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42°,25',43.00' N	Long: -73°,48',33.00" Datum:					
Soil Map Unit Name: Kingsbury and Rhinebeck	NWI classification: PEM					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturb	<del></del>					
Are Vegetation, Soil, or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No	within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
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)					
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (						
Sediment Deposits (B2) Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3) Presence of Reduced Iro						
Algal Mat or Crust (B4) Recent Iron Reduction ir	· · · · · · · · · · · · · · · · · · ·					
Iron Deposits (B5) — Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark						
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):						
Saturation Present? Yes X No Depth (inches):	3 Wetland Hydrology Present? Yes X No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks:						

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

	Absolute	Dominant	Indicator	
ree Stratum (Plot size: 30 )	% Cover	Species?	Status	Dominance Test worksheet:
				Number of Dominant Species
				That Are OBL, FACW, or FAC: 4 (A)
				Total Number of Dominant Species Across All Strata: 4 (B)
	·			Opecies Acioss Ali Ottata.
· <u></u>				Percent of Dominant Species
·				That Are OBL, FACW, or FAC:100.0%(A/E
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15)				OBL species x 1 =
Cornus sericea	5	Yes	FACW	FACW species x 2 =
Rhamnus cathartica	5	Yes	FAC	FAC species x 3 =
				FACU species x 4 =
		<del></del>		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: 5 )				X 2 - Dominance Test is >50%
Phragmites australis	50	Yes	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Lythrum salicaria	25	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporti
	10	No	FACW	data in Remarks or on a separate sheet)
				D. I
Solidago altissima	10	<u>No</u>	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
·				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
. <u> </u>				be present, unless disturbed or problematic.
·				Definitions of Vegetation Strata:
· <u></u>				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of heigh
D				<b>2</b> / 1 / 2
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
	-			and ground than or equal to 0.20 ft (1 fil) tall.
2				Herb – All herbaceous (non-woody) plants, regardles
	95	=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.
·				
		<del></del>		Hydrophytic
				Vegetation
		=Total Cover		

SOIL Sampling Point GP6-C-Wet

		o the de				itor or c	onfirm the absence o	f indicators.)
Depth	Matrix	0/		Featur		1 2	Tarahama	Damarka
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 2/1	95	10YR 5/8	5	<u>C</u>	PL/M	Mucky Loam/Clay	Prominent redox concentrations
6-16	10YR 3/2	90	10YR 5/8			PL/M	Mucky Loam/Clay	Prominent redox concentrations
		_		_				
1							2.	
Hydric Soil  Histosol Histic Ep Black Hi Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy R Stripped Dark Su	(A1) pipedon (A2) stic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) flucky Mineral (S1) Gleyed Matrix (S4) dedox (S5) Matrix (S6) rface (S7)	· (A11)	Polyvalue Belo  MLRA 149B; Thin Dark Surfa  High Chroma S  Loamy Mucky I  Loamy Gleyed  Depleted Matrix  X Redox Dark Su  Depleted Dark  ? Redox Depress  Marl (F10) (LRI	w Surface (S9) cands (S9) cands (SMineral (Matrix (CF3)) rface (FSurface (FSurface (FK, L))	ce (S8) (l (LRR R (11) (LRI (F1) (LRI (F2) (6) (F7)	LRR R, , MLRA R K, L) R K, L)	Indicators for 2 cm Mu 2 cm Mu Coast Pi 5 cm Mu Polyvalu Thin Dai Iron-Mar Piedmor Mesic Si Red Par Very Sha	PLE-Pore Lining, M=Matrix.  For Problematic Hydric Soils <sup>3</sup> :  Fick (A10) (LRR K, L, MLRA 149B)  Frairie Redox (A16) (LRR K, L, R)  Ficky Peat or Peat (S3) (LRR K, L, R)  Fie Below Surface (S8) (LRR K, L)  First Surface (S9) (LRR K, L)  Find Surface (S9) (LRR K, L)  Find Surface (S9) (LRR K, L)  Find Surface (F12) (MLRA 149B)  Find Floodplain Soils (F19) (MLRA 149B)  Find Floodplain Surface (F22)  Fixplain in Remarks)
Type: Depth (ii	nches):						Hydric Soil Prese	nt? Yes X No
	m is revised from Nor 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,



Wetland GP6-C



Wetland GP6-C - Soils

## **SITE PHOTOGRAPHS**

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

Project/Site: CHPE- Package 6- New Baltimore Laydown Area	City/County: New Baltimore/ Greene Sampling Date: 8/25/2022				
Applicant/Owner: CHPE	State: NY Sampling Point: GP6-C-Up				
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: Town of New Baltimore				
	relief (concave, convex, none): Concave Slope %: 0				
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42°,25',43.00' 'N	Long: -73°,48',33.00" Datum:				
Soil Map Unit Name: Kingsbury and Rhinebeck	NWI classification: None				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significantly distur					
Are Vegetation , Soil , or Hydrology naturally 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:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (I					
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor (	· · · · · · · · · · · · · · · · · · ·				
Sediment Deposits (B2) Oxidized Rhizospheres					
Drift Deposits (B3) Presence of Reduced Iro					
Algal Mat or Crust (B4)  Recent Iron Reduction in					
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remar					
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No X Depth (inches):	: <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:					

	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30 )	% Cover	Species?	Status	Dominance Test worksheet:		
1.				Number of Dominant Species		
2.				That Are OBL, FACW, or FAC: 2 (A)		
2						
4.				Total Number of Dominant Species Across All Strata: 6 (B)		
				(E)		
				Percent of Dominant Species		
6.				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 x 1 =		
1. Rhamnus cathartica	5	Yes	FAC	FACW species x 2 =		
Cornus racemosa	5	Yes	FAC	FAC species x 3 =		
3. Rhus typhina	10	Yes	UPL	FACU species x 4 =		
		100				
4.				UPL species x 5 =		
5				Column Totals: (A)(B)		
6.				Prevalence Index = B/A =		
7				Hydrophytic Vegetation Indicators:		
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5 )		_		2 - Dominance Test is >50%		
1. Dipsacus fullonum	5	No	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
Phragmites australis	10	No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting		
				data in Remarks or on a separate sheet)		
3. Schizachyrium scoparium	20	Yes	FACU			
4. Solidago altissima	20	Yes	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5. Centaurea stoebe	15	Yes	UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must		
6. Fragaria virginiana	5	No	FACU	be present, unless disturbed or problematic.		
7.				Definitions of Vegetation Strata:		
8.				Tara Mandanta Oir (70 and an arrangia		
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
10.				alameter at predet neight (pp.17), regardless of neight.		
		<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				<b>Herb</b> – All herbaceous (non-woody) plants, regardless		
	75	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in		
1.				height.		
2						
				Hydrophytic		
				Vegetation		
4				Present?		
		=Total Cover				
Remarks: (Include photo numbers here or on a separ	ate sheet.)					

Sampling Point: GP6-C-Up

SOIL Sampling Point GP6-C-Up

1 Type: C=Concentra Hydric Soil Indicato Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers	ation, D=Depletions:  (A2)  (A2)  (A4)  (A5)  (A5)  (Dark Surface (A4)	100	Reduced Matrix, M Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed	ow Surfac (S) Face (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Loamy/Clayey  Loamy/Clayey  2Location: PL=Pore Lining, Machine Indicators for Problematic 2 cm Muck (A10) (LRR Machine)  Coast Prairie Redox (A10)	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
1 Type: C=Concentra  Hydric Soil Indicate Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	ation, D=Depletions:  (A2)  (A2)  (A4)  (A5)  (A5)  (Dark Surface (A4)	100	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac (S) Face (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	2Location: PL=Pore Lining, M Indicators for Problematic 2 cm Muck (A10) (LRR M Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
<sup>1</sup> Type: C=Concentra  Hydric Soil Indicate  Histosol (A1)  Histic Epipedon  Black Histic (A3)  Hydrogen Sulfid  Stratified Layers  Depleted Below  Thick Dark Surfa	ation, D=Depletions:  (A2) (A2) (A2) (A3) (A4) (A4) (A5) (A5) (A5) (A5) (A5) (A5)	ion, RM=R	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac (S) Face (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	<sup>2</sup> Location: PL=Pore Lining, N Indicators for Problematic  2 cm Muck (A10) (LRR N  Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea  Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicator Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac (S) Face (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicator Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac (S) Face (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicator Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac (S) Face (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicator Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac (S) Face (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicate Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac (S) Face (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicate Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac (S) Face (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicate Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac 3) ace (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicate Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac 3) ace (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicate Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac 3) ace (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicate Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac 3) ace (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicate Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac 3) ace (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicate Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac 3) ace (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicate Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac 3) ace (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydric Soil Indicate Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) (b) (de (A4) (s) (A5) (de (A5) (de (A5)	_ 	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac 3) ace (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR (F1) (LRR	_RR R, , MLRA 14 R K, L)	Indicators for Problematic   2 cm Muck (A10) (LRR II Coast Prairie Redox (A10) 5 cm Mucky Peat or Pea Polyvalue Below Surface	Hydric Soils <sup>3</sup> : K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Histosol (A1) Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	(A2) de (A4) s (A5) v Dark Surface (A	   A11)	MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	s) face (S9) Sands (S Mineral (	(LRR R, 11) (LRR (F1) (LRR	MLRA 14 R K, L)	2 cm Muck (A10) (LRR P Coast Prairie Redox (A10 5 cm Mucky Peat or Pea Polyvalue Below Surface	K, L, MLRA 149B) 6) (LRR K, L, R) at (S3) (LRR K, L, R) 9 (S8) (LRR K, L)
Histic Epipedon Black Histic (A3) Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	de (A4) s (A5) Dark Surface (A	— — — A11)	MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	s) face (S9) Sands (S Mineral (	(LRR R, 11) (LRR (F1) (LRR	MLRA 14 R K, L)	Coast Prairie Redox (A10 19B) 5 cm Mucky Peat or Pea Polyvalue Below Surface	6) (LRR K, L, R) at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Black Histic (A3 Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	de (A4) s (A5) Dark Surface (A	— — A11)	Thin Dark Surfa High Chroma S Loamy Mucky I	ace (S9) Sands (S Mineral (	11) ( <b>LRR</b> (F1) ( <b>LRR</b>	R K, L)	5 cm Mucky Peat or Pea Polyvalue Below Surface	at (S3) (LRR K, L, R) e (S8) (LRR K, L)
Hydrogen Sulfid Stratified Layers Depleted Below Thick Dark Surfa	de (A4) s (A5) v Dark Surface ( <i>A</i>	A11)	High Chroma S Loamy Mucky I	Sands (S Mineral (	11) ( <b>LRR</b> (F1) ( <b>LRR</b>	R K, L)	Polyvalue Below Surface	e (S8) ( <b>LRR K, L</b> )
Stratified Layers Depleted Below Thick Dark Surfa	s (A5) Dark Surface (A	A11)	Loamy Mucky I	Mineral (	(F1) ( <b>LRF</b>			
Thick Dark Surfa		A11)	Loamy Gleved	N 4 - 4 - 4 - 7 - 7				
	ace (A12)			watrix (i	F2)		Iron-Manganese Masses	s (F12) ( <b>LRR K, L, R</b> )
Sandy Mucky M	ass (, <u>_</u> )	_	Depleted Matrix	x (F3)			Piedmont Floodplain Soi	ils (F19) ( <b>MLRA 149B</b> )
		_	Redox Dark Su	-	-		Mesic Spodic (TA6) ( <b>ML</b>	•
Sandy Gleyed M		_	Depleted Dark				Red Parent Material (F2*	
Sandy Redox (S Stripped Matrix	•	_	Redox Depress Marl (F10) ( <b>LR</b> )		5)		Very Shallow Dark Surfa Other (Explain in Remark	
Dark Surface (S				. ( ( , L )			Other (Explain in Remain	K3)
	,							
<sup>3</sup> Indicators of hydrop	ohytic vegetation	n and wetla	and hydrology mu	ust be pr	esent, un	ıless distu	rbed or problematic.	
Restrictive Layer (i	if observed):							
Туре:								
Depth (inches):							Hydric Soil Present? Yes	No X
Remarks: This data form is rev Version 7.0, 2015 Er							.0 to include the NRCS Field Indicato p2_051293.docx)	ors of Hydric Soils,



**Upland GP6-C** 



**Upland GP6-C- Soils** 

# SITE PHOTOGRAPHS

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

Project/Site: CHPE- Package 6- New Baltimore Laydown Area	City/County: New Baltimore/ Greene Sampling Date: 8/25/2022				
Applicant/Owner: CHPE	State: NY Sampling Point: GP6-D-Wet				
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: Town of New Baltimore				
	relief (concave, convex, none): Concave Slope %: 0				
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42°,25',43.00' 'N	Long: -73°,48',32.00" Datum:				
Soil Map Unit Name: Kingsbury and Rhinebeck	NWI classification: PEM				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significantly disturt					
Are Vegetation, Soil, or Hydrology naturally problema					
SUMMARY OF FINDINGS – Attach site map showing sam					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area				
Hydric Soil Present? Yes X No	within a Wetland? Yes X No				
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
X Surface Water (A1) X Water-Stained Leaves (E					
High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)				
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 Remark					
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes X No Depth (inches):					
Water Table Present?  Yes  No X  Depth (inches):  Seturation Present?  Yes  Yes  Yes  No X  Depth (inches):					
Saturation Present? Yes X No Deptin (inches).	<u> </u>				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:				
Remarks:					
Remarks.					

<u>Tree Stratum</u> (Plot size: 30 )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1.				Number of Dominant Species		
2.				That Are OBL, FACW, or FAC:3 (A)		
3. 4.				Total Number of Dominant Species Across All Strata:3(B)		
5 6		·		Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)		
7				Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 =		
1				FACW species x 2 =		
2.				FAC species x 3 =		
3.				FACU species x 4 =		
4.				UPL species x 5 =		
5.				Column Totals: (A) (B)		
6.				Prevalence Index = B/A =		
7.				Hydrophytic Vegetation Indicators:		
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5 )		•		X 2 - Dominance Test is >50%		
1. Typha angustifolia	20	Yes	OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
Phragmites australis	20	Yes	FACW	4 - Morphological Adaptations (Provide supporting		
3. Lythrum salicaria	15	No	OBL	data in Remarks or on a separate sheet)		
4. Phalaris arundinacea	30	Yes	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5. Scirpus atrovirens	5	No	OBL			
6. Epilobium coloratum	5	No	OBL	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
7. Solidago canadensis	5	No	FACU	Definitions of Vegetation Strata:		
8.						
9.		·		<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12.				<b>Herb</b> – 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.				Hydrophytic		
3.		·		Vegetation		
4.				Present?		
		=Total Cover				
Remarks: (Include photo numbers here or on a separ	rate sheet.)					

Sampling Point: GP6-D-Wet

SOIL Sampling Point GP6-D-Wet

Profile Desc Depth	cription: (Describe t Matrix	to the de		ı <b>ment tl</b> k Featur		ator or co	onfirm the absence of i	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-2	10YR 3/3	100					Loamy/Clayey		
2-6	10YR 2/1	60	10YR 4/6	40	С	PL/M	Loamy/Clayey	Prominent redox concentrations	
6-12	10YR 2/1	100					Loamy/Clayey		
	oncentration, D=Depl	etion, RI	/I=Reduced Matrix, M	1S=Mas	ked San	d Grains.		=Pore Lining, M=Matrix.	
Hydric Soil			5 5.		(00) (			r Problematic Hydric Soils <sup>3</sup> :	
Histosol	(A1) pipedon (A2)		Polyvalue Belo MLRA 149B		ce (S8) (	LKK K,		k (A10) ( <b>LRR K, L, MLRA 149B</b> ) iirie Redox (A16) ( <b>LRR K, L, R</b> )	
	stic (A3)		Thin Dark Surfa		(LRR R	. MLRA 1		ky Peat or Peat (S3) (LRR K, L, R)	
	en Sulfide (A4)		High Chroma S		-		· —	Below Surface (S8) (LRR K, L)	
	d Layers (A5)		Loamy Mucky I					Surface (S9) (LRR K, L)	
Depleted	d Below Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mang	ganese Masses (F12) ( <b>LRR K, L, R</b> )	
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont	Floodplain Soils (F19) ( <b>MLRA 149B</b> )	
	lucky Mineral (S1)		X Redox Dark Su	•	,			odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )	
	Gleyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)		
	Redox (S5)		? Redox Depress		8)			low Dark Surface (F22)	
	l Matrix (S6) rface (S7)		Marl (F10) ( <b>LR</b>	K K, L)			Other (EX	plain in Remarks)	
Bank Gu	11400 (01)								
<sup>3</sup> Indicators o	f hydrophytic vegetat	ion and v	vetland hydrology mu	ıst be pr	esent, u	nless dist	urbed or problematic.		
	Layer (if observed):								
Type:									
Depth (ii	nches):						Hydric Soil Present	? Yes X No	
Version 7.0,	m is revised from No 2015 Errata. (http://w inches of water in the	ww.nrcs	usda.gov/Internet/FS					S Field Indicators of Hydric Soils,	



Wetland GP6-D



Wetland GP6-D - Soils

## **SITE PHOTOGRAPHS**

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

Project/Site: CHPE- Package 6- New Baltimore Laydown Area	City/County: New Baltimore/ Greene Sampling Date: 8/25/2022				
Applicant/Owner: CHPE	State: NY Sampling Point: GP6-D-Up				
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: Town of New Baltimore				
	relief (concave, convex, none): Concave Slope %: 0				
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42°,25',43.00' 'N	Long: -73°,48',32.00" Datum:				
Soil Map Unit Name: Kingsbury and Rhinebeck	NWI classification: None				
Are climatic / hydrologic conditions on the site typical for this time of year?					
Are Vegetation, 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 naturally problems					
SUMMARY OF FINDINGS – Attach site map showing sam					
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area				
Hydric Soil Present? Yes No X	within a Wetland? Yes No X				
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (I					
High Water Table (A2)  Aquatic Fauna (B13)  April Denseits (B15)	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	i i i i i i i i i i i i i i i i i i i				
<del></del>					
Drift Deposits (B3) Presence of Reduced In					
Algal Mat or Crust (B4)  Iron Deposits (B5)  Recent Iron Reduction in Thin Muck Surface (C7)					
Inundation Visible on Aerial Imagery (B7)  Other (Explain in Remark)	Shallow Aquitard (D3)  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					
Describe Necorded Data (stream gauge, monitoring well, denai photos, pre	rious inspections, il available.				
Remarks:					
•					

	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30 )	% Cover	Species?	Status	Dominance Test worksheet:		
1				Number of Dominant Species		
2				That Are OBL, FACW, or FAC:1 (A)		
3				Total Number of Dominant		
4.				Species Across All Strata: 3 (B)		
5.						
				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)		
7				Prevalence Index worksheet:		
1.		=Total Cover				
Osadia a/Ohash Ohashaa (Distriction 45		- Total Cover				
Sapling/Shrub Stratum (Plot size: 15 )				OBL species x 1 =		
1		- ——		FACW species x 2 =		
2.				FAC species x 3 =		
3				FACU species x 4 =		
4				UPL species x 5 =		
5				Column Totals: (A)(B)		
6.				Prevalence Index = B/A =		
7.				Hydrophytic Vegetation Indicators:		
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5 )		•		2 - Dominance Test is >50%		
	20	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Phalaris arundinacea	15	Yes	FACW	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)		
3. Verbascum thapsus	5	No	UPL			
4. Centaurea stoebe	15	Yes	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5. Dipsacus fullonum	10	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must		
6. Artemisia vulgaris	5	No	UPL	be present, unless disturbed or problematic.		
7. Rubus allegheniensis	10	No	FACU	Definitions of Vegetation Strata:		
8. Lythrum salicaria	5	No	OBL	Tree Woody plants 2 in (7.6 cm) or more in		
9. Asclepias syriaca	5	No	UPL	<ul> <li>Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height</li> </ul>		
10.						
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12.				and groater than or equal to 0.20 ft (1 m) tail.		
12.		-Tatal Causan		Herb – All herbaceous (non-woody) plants, regardless		
	90	_=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size: 15 )				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 separ	ate sheet.)	_				
· ·	,					

Sampling Point: GP6-D-Up

SOIL Sampling Point GP6-D-Up

		o the de				itor or co	onfirm the absence of indicate	tors.)
Depth	Matrix	0/		x Featur		. 2	<b>.</b>	5 .
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 5/1	100					Loamy/Clayey	_
6-10	2.5Y 4/4	100					Sandy	
10-16	10YR 4/1	100					Loamy/Clayey	
							<u> </u>	
<sup>1</sup> Type: C=Co	ncentration, D=Deple	etion, RM	1=Reduced Matrix, N	//S=Mas	ked Sand	d Grains.	<sup>2</sup> Location: PL=Pore	Lining, M=Matrix.
Hydric Soil I	ndicators:							lematic Hydric Soils <sup>3</sup> :
Histosol (	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck (A10	) (LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)		MLRA 149B	5)			Coast Prairie Re	edox (A16) ( <b>LRR K, L, R</b> )
Black His	tic (A3)		Thin Dark Surfa		-		149B)5 cm Mucky Pea	at or Peat (S3) ( <b>LRR K, L, R</b> )
Hydroger	n Sulfide (A4)		High Chroma S				Polyvalue Below	Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky I	Mineral	(F1) ( <b>LR</b> I	R K, L)	Thin Dark Surface	ce (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Manganese	Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont Flood	olain Soils (F19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spodic (T.	A6) ( <b>MLRA 144A, 145, 149B</b> )
	eyed Matrix (S4)		Depleted Dark				Red Parent Mate	
	edox (S5)		Redox Depress	•	8)			ark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK, L)			Other (Explain in	n Remarks)
Dark Sur	face (S7)							
<sup>3</sup> Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.	
	ayer (if observed):		, , ,				'	
Type:								
Depth (in	ches):						Hydric Soil Present?	Yes No _X_
Remarks:								
	n is revised from Nor 2015 Errata. (http://w						2.0 to include the NRCS Field	Indicators of Hydric Soils,
version 7.0, 2	2015 Effata. (Http://wi	ww.iiics.	usua.gov/internet/F3	SE_DOC	OIVIEINI	3/1110514	2p2_031293.d0cx)	



**Upland GP6-D** 



**Upland GP6-D- Soils** 

# **SITE PHOTOGRAPHS**

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

Project/Site: CHPE- Package 6- New Baltimore Laydown Area	City/County: New Baltimore/ Greene Sampling Date: 8/25/2022					
Applicant/Owner: CHPE	State: NY Sampling Point: GP6-B-Wei					
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: Town of New Baltimore					
	relief (concave, convex, none): Concave Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42°,25',40.00' 'N	Long: -73°,48',34.00" Datum:					
Soil Map Unit Name: Kingsbury and Rhinebeck	NWI classification: PEM					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation X, Soil , or Hydrology significantly disturb	<del></del>					
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.					
Lludraphytia Vagatatian Procent?	In the Sampled Area					
Hydrophytic Vegetation Present?  Hydric Soil Present?  Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes X No					
Wetland Hydrology Present?  Yes X No	If yes, optional Wetland Site ID:					
	ii yes, optional wetland one ib.					
Remarks: (Explain alternative procedures here or in a separate report.)						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
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)					
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (						
Sediment Deposits (B2)  Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)Recent Iron Reduction in	n Tilled Soils (C6) Geomorphic Position (D2)					
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	s) Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes X No X Depth (inches):	:2					
Water Table Present? Yes No X Depth (inches):	:					
Saturation Present? Yes X No X Depth (inches):						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						
Site had been recently mowed within the powerline ROW within the center	of the site.					

<u>Tree Stratum</u> (Plot size: 30 )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.	70 00101	оросност.	Clarac	
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. 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 x 1 =
1. Cornus sericea	5	Yes	FACW	FACW species x 2 =
2. Juniperus communis	5	Yes	FACU	FAC species x 3 =
3.				FACU species x 4 =
4.				UPL species x 5 =
5				Column Totals: (A)(B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5 )				X 2 - Dominance Test is >50%
1. Phragmites australis	15	No	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Symphyotrichum novae-angliae	10	No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Phalaris arundinacea	50	Yes	FACW	data in Remarks or on a separate sheet)
4. Euthamia graminifolia	5	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Dipsacus fullonum 6.	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.  Definitions of Vegetation Strata:
8.				
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				<b>Herb</b> – 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:)				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				Hydrophytic
3.				Vegetation
4.		=Total Cover		Present?
		- Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: GP6-B-Wet

SOIL Sampling Point GP6-B-Wet

Profile Desc	ription: (Describe t	o the de	pth needed to docu	ment th	ne indica	ator or co	nfirm the absence of indicators	.)
Depth	Matrix			Featur				
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 2/1	90	10YR 6/6	10	<u>C</u>	PL/M	Loamy/Clayey Promine	nt redox concentrations
6-10	10YR 5/3	95	10YR 6/4	5	С	PL/M	Loamy/Clayey Faint	redox concentrations
10-14	10YR 4/1	90	10YR 6/6	10	С	M	Loamy/Clayey Promine	nt redox concentrations
	oncentration, D=Deple	etion, RN	/I=Reduced Matrix, M	IS=Mas	ked San	d Grains.	<sup>2</sup> Location: PL=Pore Linir	
Hydric Soil			Daharahia Dalai		(00) (		Indicators for Problems	•
Histosol			Polyvalue Belov		ce (58) (	LRK K,		RR K, L, MLRA 149B) (A16) (LRR K, L, R)
Histic Epipedon (A2)  Black Histic (A3)  MLRA 149B)  Thin Dark Surface (S9) (LRR R, MLRA						. MLRA 1		Peat (S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		High Chroma S		-		· · · · · · · · · · · · · · · · · · ·	rface (S8) ( <b>LRR K, L</b> )
	Layers (A5)		Loamy Mucky N				Thin Dark Surface (S	
Depleted Below Dark Surface (A11)  Loamy Gleyed Matrix (F2)						Iron-Manganese Masses (F12) (LRR K, L, R)		
Thick Da	rk Surface (A12)		Depleted Matrix	(F3)			Piedmont Floodplain	n Soils (F19) ( <b>MLRA 149B</b> )
Sandy Mucky Mineral (S1)  X Redox Dark Surface (F6)						Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
	Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7)					Red Parent Material (F21)  Very Shallow Dark Surface (F22)		
	edox (S5)		? Redox Depress		3)			
	Matrix (S6) face (S7)		Marl (F10) ( <b>LRI</b>	K N, L)			Other (Explain in Re	marks)
Dark Gui	lace (S7)							
<sup>3</sup> Indicators of	f hydrophytic vegetati	on and w	etland hydrology mu	st be pr	esent, ui	nless dist	urbed or problematic.	
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present?	Yes X No
Remarks:								
							2.0 to include the NRCS Field Indi	cators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/internet/FS	E_DOC	UMENI	S/nrcs14	2p2_051293.docx)	



Wetland GP6-B



Wetland GP6-B - Soils

## **SITE PHOTOGRAPHS**

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

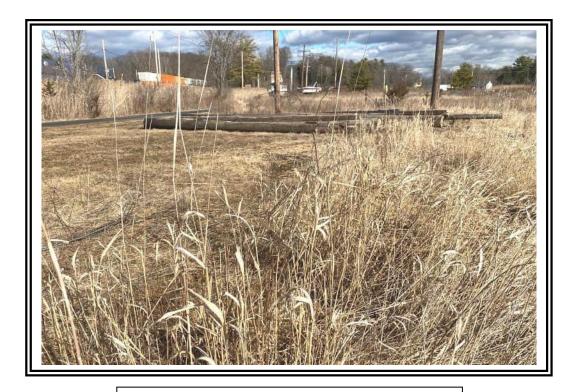
Project/Site: CHPE- Package 6- New Baltimore Laydown Area	City/County: New Baltimore/ Greene Sampling Date: 8/25/2022
Applicant/Owner: CHPE	State: NY Sampling Point: GP6-B-Up
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: Town of New Baltimore
- ' -	relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42°,25',40.00' 'N	Long: -73°,48',34.00" Datum:
Soil Map Unit Name: Kingsbury and Rhinebeck	NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, 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 naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	
High Water Table (A2)  Aquatic Fauna (B13)  April Denseits (B15)	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	i i i i i i i i i i i i i i i i i i i
Sediment Deposits (B2)  Drift Deposits (B3)  Oxidized Rhizospheres Presence of Reduced In	
Algal Mat or Crust (B4)  Recent Iron Reduction in	
Iron Deposits (B5)  Iron Deposits (B5)  Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·
Inundation Visible on Aerial Imagery (B7)  Other (Explain in Remark)	<del></del> · · · · · · ·
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present?  Yes  No X  Depth (inches):  Saturation Present?  Yes  No X  Depth (inches):	
	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Describe Necorded Data (stream gauge, monitoring well, actial photos, pre	vious inspections), il available.
Remarks:	
1	

T (1) (1) (2)	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30 )	% Cover	Species?	Status	Dominance Test worksheet:
1. Juniperus communis	5	Yes	FACU	Number of Dominant Species
2. Juniperus virginiana	5	Yes	FACU	That Are OBL, FACW, or FAC: 2 (A)
3.				Total Number of Dominant
4.				Species Across All Strata: 8 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:25.0%(A/B)
7				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15)				OBL species x 1 =
1. Rubus allegheniensis	5	Yes	FACU	FACW species x 2 =
2. Berberis thunbergii	5	Yes	FACU	FAC species x 3 =
3. Rhamnus cathartica	5	Yes	FAC	FACU species x 4 =
4.				UPL species x 5 =
5.				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
··	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5 )	10	- 10101 00101		2 - Dominance Test is >50%
Phalaris arundinacea	20	Yes	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>
	20	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
				data in Remarks or on a separate sheet)
3. Schizachyrium scoparium	50	Yes	FACU	
4. Phragmites australis	10	<u>No</u>	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				<b>Herb</b> – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15 )				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet )	-		1
(	,			

Sampling Point: GP6-B-Up

SOIL Sampling Point GP6-B-Up

,	(moist) % R 2.5/1 100	Color (moist)	% Type¹ Loc²	Texture Sandy Pet	Remarks obles mixed in with loamy sand
0-14 2.5Y	R 2.5/1 100			Sandy Peb	obles mixed in with loamy sand
1T C-C		4-Daduard Matrix MC-	Maskad Cand Crains	21 anations DI - Don	e Lining, M=Matrix.
Hydric Soil Indicators		M=Reduced Matrix, MS=	Masked Sand Grains.		blematic Hydric Soils <sup>3</sup> :
Histosol (A1)	•	Polyvalue Below S	Surface (S8) ( <b>LRR R</b> ,		10) (LRR K, L, MLRA 149B)
Histic Epipedon (A	2)	MLRA 149B)	runace (00) (ERR R,		Redox (A16) ( <b>LRR K, L, R</b> )
Black Histic (A3)	-,	•	(S9) ( <b>LRR R, MLRA 1</b>		eat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydrogen Sulfide (	A4)		ds (S11) ( <b>LRR K, L)</b>		ow Surface (S8) ( <b>LRR K, L</b> )
Stratified Layers (A	· ·		eral (F1) ( <b>LRR K, L</b> )		face (S9) ( <b>LRR K, L</b> )
Depleted Below Da	·	Loamy Gleyed Ma			se Masses (F12) (LRR K, L, R)
Thick Dark Surface	e (A12)	Depleted Matrix (F	:3)	Piedmont Floo	dplain Soils (F19) (MLRA 149B
Sandy Mucky Mine	ral (S1)	Redox Dark Surface	ce (F6)	Mesic Spodic (	(TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy Gleyed Mat	rix (S4)	Depleted Dark Sur	rface (F7)	Red Parent Ma	aterial (F21)
Sandy Redox (S5)		Redox Depression	ıs (F8)	Very Shallow [	Dark Surface (F22)
Stripped Matrix (So	5)	Marl (F10) ( <b>LRR K</b>	ζ, <b>L</b> )	Other (Explain	in Remarks)
Dark Surface (S7)					
2					
		vetland hydrology must b	oe present, unless dist	turbed or problematic.	
Restrictive Layer (if o	bserved):				
Type:					
Depth (inches):				Hydric Soil Present?	Yes No _X



**Upland GP6-B** 



**Upland GP6-B- Soils** 

# **SITE PHOTOGRAPHS**

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

Project/Site: CHPE- Package 6- New Baltimore Laydown Area	City/County: New Baltimore/ Greene Sampling Date: 1/11/2023
Applicant/Owner: CHPE	State: NY Sampling Point: GP6-A-Wet
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: Town of New Baltimore
	relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42°,25',31.00' 'N	Long: -73°,48',38.00" Datum:
Soil Map Unit Name: Kingsbury and Rhinebeck	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing same	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leaves (E	
High Water Table (A2)  Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)  Hydrogen Sulfide Odor (	
Sediment Deposits (B2)  Oxidized Rhizospheres of Deposits (B2)	
Presence of Reduced Iro	
Algal Mat or Crust (B4)  Recent Iron Reduction in	· / · · · · · · · · · · · · · · · · · ·
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	
Water Table Present?  Yes  No X  Depth (inches):  Catherina Present?  Yes  Yes  Yes  No X  Depth (inches):	
Saturation Present? Yes X No Depth (inches):	4 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Demodes	
Remarks:	

<u>Tree Stratum</u> (Plot size: 30 )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:3(A)
3. 4.				Total Number of Dominant Species Across All Strata: 3 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15)				OBL species x 1 =
1. Cornus racemosa	15	Yes	FAC	FACW species x 2 =
2				FAC species x 3 =
3.				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A)(B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5 )				X 2 - Dominance Test is >50%
Onoclea sensibilis	40	Yes	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Lythrum salicaria	20	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Phalaris arundinacea	10	No	FACW	data in Remarks or on a separate sheet)
4. Scirpus atrovirens	10	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Lysimachia nummularia	5	No	FACW	<del> </del>
Symphyotrichum novae-angliae	5	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Phragmites australis	5	No	FACW	Definitions of Vegetation Strata:
8. Dipsacus fullonum	5	No	FACU	
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.	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: 15 )				
				Woody vines – All woody vines greater than 3.28 ft in height.
2				1139.11
2				Hydrophytic
1				Vegetation Present? Yes X No
4.		-Tatal Cause		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: GP6-A-Wet

SOIL Sampling Point GP6-A-Wet

		to the de				itor or co	onfirm the absence o	f indicators.)
Depth	Matrix	0/		K Featur		1 - 2	T	Damanta
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 4/1	95	10YR 4/6	5	<u>C</u>	M	Loamy/Clayey	Prominent redox concentrations
6-14	10YR 3/6	90	10YR 4/6	10	С	M	Loamy/Clayey	Faint redox concentrations
								_
								_
<sup>1</sup> Type: C=Ce	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	or Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (	LRR R,	2 cm Mu	ick (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	pipedon (A2)		MLRA 149B)	)			Coast Pi	rairie Redox (A16) ( <b>LRR K, L, R</b> )
	stic (A3)		Thin Dark Surfa		-			icky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	Layers (A5)	(4.4.4)	Loamy Mucky N			R K, L)		rk Surface (S9) (LRR K, L)
	d Below Dark Surface ark Surface (A12)	e (A11)	Loamy Gleyed		F2)			nganese Masses (F12) ( <b>LRR K, L, R</b> )
	lucky Mineral (S1)		X Depleted Matrix Redox Dark Su		:6)			nt Floodplain Soils (F19) ( <b>MLRA 149B</b> ) podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	Sleyed Matrix (S4)		Depleted Dark					ent Material (F21)
	ledox (S5)		? Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b> l		,			xplain in Remarks)
Dark Su	rface (S7)							
	f hydrophytic vegetati		vetland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
	Layer (if observed):							
Type:								
Depth (ii	nches):						Hydric Soil Prese	nt? Yes X No
Remarks:								
								CS Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	ww.nics	usua.gov/internet/F3	ב_טטנ	OWENT	S/IIICS 14.	2p2_051293.docx)	



Wetland GP6-A



Wetland GP6-A- Soils

## **SITE PHOTOGRAPHS**

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

Project/Site: CHPE- Package 6- New Baltimore Laydown Area	City/County: New Baltimore/ Greene Sampling Date: 1/11/2023					
Applicant/Owner: CHPE	State: NY Sampling Point: GP6-A-Up					
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: Town of New Baltimore					
• , ,	relief (concave, convex, none): Concave Slope %: 0					
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42°,25',31.00' 'N	Long: -73°,48',38.00" Datum:					
Soil Map Unit Name: Kingsbury and Rhinebeck	NWI classification: None					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrologysignificantly disturb						
Are Vegetation, Soil, or 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.)						
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 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):	: <u></u> -					
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks:						
Remarks.						

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30 )	% Cover	Species?	Status	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: 2 (B)
г				
<del>-</del>				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
1.				
	-	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3.				FACU species x 4 =
4				UPL species x 5 =
5.				Column Totals: (A) (B)
				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
	-	- Total Cover		
Herb Stratum (Plot size: 5 )				2 - Dominance Test is >50%
Schizachyrium scoparium	50	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Solidago altissima	20	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Centaurea stoebe	15	No	UPL	data in Remarks or on a separate sheet)
4. Daucus carota	5	No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Asclepias syriaca	5	No	UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				-
9.				Tree – Woody plants 3 in. (7.6 cm) or more in
-	-			diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				<b>Herb</b> – 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.				height.
2				
3.				Hydrophytic
4.				Vegetation Present? Yes No X_
· -		=Total Cover		
		-		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: GP6-A-Up

SOIL Sampling Point GP6-A-Up

		the dep				tor or co	onfirm the absence of in	dicators.)
Depth (inches)	Matrix Color (moint)	%		x Featur	es Type <sup>1</sup>	Loc <sup>2</sup>	Toyturo	Domarka
(inches)	Color (moist)	70	Color (moist)	%	Туре	LOC	Texture	Remarks
0-14	10YR 4/1	100					Loamy/Clayey	
								_
¹Type: C=Co	oncentration, D=Deple	tion RM	=Reduced Matrix N	/S=Mas	ked Sand	d Grains	<sup>2</sup> Location: PL=F	Pore Lining, M=Matrix.
Hydric Soil I	•	7.1.011, 1 1.111	Troduced Matrix, II	no mao	nou ounc	oranio.		Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		(A10) (LRR K, L, MLRA 149B)
	ipedon (A2)	•			( - / (	,		e Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	•	(LRR R	, MLRA 1		Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)	•	High Chroma S	Sands (S	311) ( <b>LR</b> F	R K, L)	Polyvalue B	elow Surface (S8) (LRR K, L)
Stratified	Layers (A5)	·	Loamy Mucky	Mineral	(F1) ( <b>LR</b> I	R K, L)	Thin Dark S	urface (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Manga	nese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont F	oodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spod	ic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent	Material (F21)
Sandy R	edox (S5)	,	Redox Depress	,	8)			w Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK, L)			Other (Expla	ain in Remarks)
Dark Sur	face (S7)							
31			- Al I be ender - I					
	hydrophytic vegetatio	on and we	etiand nydrology mi	ust be pr	esent, ur	ness dist	urbed or problematic.	
Type:	.ayer (if observed):							
· · -								
Depth (in	iches):						Hydric Soil Present?	Yes No _X
Remarks:								
	m is revised from Nort 2015 Errata. (http://wv							Field Indicators of Hydric Soils,
version 7.0, 2	2015 Errata. (Http://wv	ww.iiics.c	isua.gov/internet/F	SE_DOC	OIVIEINI	3/11105 14/	2p2_031293.docx)	



**Upland GP6-A** 



**Upland GP6-A- Soils** 

# SITE PHOTOGRAPHS

#### U.S. Army Corps of Engineers

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

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

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

Project/Site: CHPE - Segment 10 - Package	÷ 6	City/County: Ravena	/Albany	Sampling Date: 9/14/23
Applicant/Owner: TDI			State: NY	Sampling Point: K-A1 wet
Investigator(s): C. Einstein		Section, To	wnship, Range:	<u> </u>
Landform (hillside, terrace, etc.): depression	n Local re	elief (concave, conve		Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 42.412875		-73.815839	Datum: NAD83
Soil Map Unit Name: KrB- Kingsbury and Rh			NWI classification:	
·		Voc. v		
Are climatic / hydrologic conditions on the site	•	Yes x	<del></del>	explain in Remarks.)
Are Vegetation, Soil, or Hydrol	<del></del>		nal Circumstances" prese	
Are Vegetation, Soil, or Hydrol	logynaturally problemat	tic? (If needed	I, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point locat	ions, transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Ar	·ea	
	Yes X No	within a Wetland?		No
,	Yes X No	If yes, optional We		
Remarks: (Explain alternative procedures he	ere or in a separate report.)			
(=	, ,			
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (n	ninimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks	s (B6)
Surface Water (A1)	Water-Stained Leaves (B	39)	Drainage Patterns (	(B10)
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	
Water Marks (B1)	Hydrogen Sulfide Odor (C		Crayfish Burrows (C	
Sediment Deposits (B2)	Oxidized Rhizospheres or	=		n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed	
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	Geomorphic Positio	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D	•
Inundation Visible on Aerial Imagery (B7)	· <del></del>	(s)	Microtopographic R	
Sparsely Vegetated Concave Surface (Bi	8)		X FAC-Neutral Test (I	D5)
Field Observations:				
Surface Water Present? Yes	No x Depth (inches):	<u> </u>		
Water Table Present? Yes x	No Depth (inches): _	2 ///		W V Na
Saturation Present? Yes x	No Depth (inches):	1 Wetlan	d Hydrology Present?	Yes <u>X</u> No
(includes capillary fringe)	=!t=ving well porial photos pro:	if and inspections) if	ilahla	
Describe Recorded Data (stream gauge, mor	httoring well, aeriai priotos, prev	vious inspections), ii	avaliable:	
Remarks:	<del></del>			

ee Stratum         (Plot size:	=Total Co  Yes Yes No No No  Pos  No	FACW FACU FACW FACW	Number of Dominant Species
20	=Total Co  Yes Yes No No No No  Total Co  No No Yes No Yes	FACW FACW FACW FACW FACW FACW FACW FACW	That Are OBL, FACW, or FAC: 5 (A)  Total Number of Dominant Species Across All Strata: 6 (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: 83.3% (A/  Prevalence Index worksheet:  Total % Cover of: Multiply by:  OBL species 20 x1 = 20  FACW species 95 x2 = 190  FAC species 75 x3 = 225  FACU species 25 x4 = 100  UPL species 0 x5 = 0  Column Totals: 215 (A) 535 (A)  Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Cornus amomum	Yes Yes No No No No  =Total Co  No Yes No Yes	FACW FACU FACW FACW FACW FACC FAC FAC FAC	Total Number of Dominant Species Across All Strata:  Percent of Dominant Species That Are OBL, FACW, or FAC:  83.3%  (A/  Prevalence Index worksheet:  Total % Cover of:  Multiply by:  OBL species  20  x 1 = 20  FACW species  95  x 2 = 190  FAC species  75  x 3 = 225  FACU species  25  x 4 = 100  UPL species  0  x 5 = 0  Column Totals:  215  (A)  535  (A)  Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Cornus amomum	Yes Yes No No No No  =Total Co  No Yes No Yes	FACW FACU FACW FACW FACW FACC FAC FAC FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: 83.3% (A/  Prevalence Index worksheet:  Total % Cover of: Multiply by:  OBL species 20 x 1 = 20  FACW species 95 x 2 = 190  FAC species 75 x 3 = 225  FACU species 25 x 4 = 100  UPL species 0 x 5 = 0  Column Totals: 215 (A) 535 (A)  Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Cornus amomum	Yes Yes No No No No  =Total Co  No Yes No Yes	FACW FACU FACW FACW FACW FACC FAC FAC FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: 83.3% (A/  Prevalence Index worksheet:  Total % Cover of: Multiply by:  OBL species 20 x 1 = 20  FACW species 95 x 2 = 190  FAC species 75 x 3 = 225  FACU species 25 x 4 = 100  UPL species 0 x 5 = 0  Column Totals: 215 (A) 535 (A)  Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Cornus amomum	Yes Yes No No No No  =Total Co  No Yes No Yes	FACW FACU FACW FACW FACW FACC FAC FAC FAC	That Are OBL, FACW, or FAC: 83.3% (A/  Prevalence Index worksheet:  Total % Cover of: Multiply by:  OBL species 20 x 1 = 20  FACW species 95 x 2 = 190  FAC species 75 x 3 = 225  FACU species 25 x 4 = 100  UPL species 0 x 5 = 0  Column Totals: 215 (A) 535 (A)  Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Cornus amomum	Yes Yes No No No No  =Total Co  No Yes No Yes	FACW FACU FACW FACW FACW FACC FAC FAC FAC	Prevalence Index worksheet:  Total % Cover of: Multiply by:  OBL species 20 x 1 = 20  FACW species 95 x 2 = 190  FAC species 75 x 3 = 225  FACU species 25 x 4 = 100  UPL species 0 x 5 = 0  Column Totals: 215 (A) 535 (A) 535 (A)  Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is $\leq$ 3.01  4 - Morphological Adaptations (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation (Explain)
Cornus amomum	Yes Yes No No No No  =Total Co  No Yes No Yes	FACW FACU FACW FACW FACW FACC FAC FAC FAC	OBL species 20 $\times$ 1 = 20  FACW species 95 $\times$ 2 = 190  FAC species 75 $\times$ 3 = 225  FACU species 25 $\times$ 4 = 100  UPL species 0 $\times$ 5 = 0  Column Totals: 215 (A) 535 (A)  Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation $\times$ 2 - Dominance Test is >50% $\times$ 3 - Prevalence Index is $\leq$ 3.01  4 - Morphological Adaptations (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation (Explain)
Cornus amomum         40           Viburnum dentatum         30           Lonicera tatarica         20           Fraxinus pennsylvanica         20           Ulmus americana         10           erb Stratum         (Plot size: 5' )           Microstegium vimineum         10           Cornus racemosa         10           Euthamia graminifolia         20           Symphyotrichum dumosum         5           Lythrum salicaria         20	Yes No No No No  Total Co  No No Yes No Yes	FAC FACW FACW FACW FAC FAC FAC FAC FAC	FACW species 95
Viburnum dentatum         30           Lonicera tatarica         20           Fraxinus pennsylvanica         20           Ulmus americana         10           erb Stratum         (Plot size: 5' )           Microstegium vimineum         10           Cornus racemosa         10           Euthamia graminifolia         20           Symphyotrichum dumosum         5           Lythrum salicaria         20	Yes No No No No  Total Co  No No Yes No Yes	FAC FACW FACW FACW FAC FAC FAC FAC FAC	FAC species 75
Lonicera tatarica         20           Fraxinus pennsylvanica         20           Ulmus americana         10           erb Stratum         (Plot size: 5' )           Microstegium vimineum         10           Cornus racemosa         10           Euthamia graminifolia         20           Symphyotrichum dumosum         5           Lythrum salicaria         20	=Total Co  No  No  No  Yes  No  Yes	FACU FACW FACW  FAC FAC FAC FAC FAC	FAC species 75 x 3 = 225  FACU species 25 x 4 = 100  UPL species 0 x 5 = 0  Column Totals: 215 (A) 535 (  Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is $\leq$ 3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Fraxinus pennsylvanica         20           Ulmus americana         10           erb Stratum         (Plot size: 5' )           Microstegium vimineum         10           Cornus racemosa         10           Euthamia graminifolia         20           Symphyotrichum dumosum         5           Lythrum salicaria         20	=Total Co  No  No  No  No  No  No  Yes  No  Yes	FACW FACW FAC FAC FAC FAC FAC	FACU species 25 x 4 = 100  UPL species 0 x 5 = 0  Column Totals: 215 (A) 535 (  Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Ulmus americana         10           erb Stratum         (Plot size: 5' )           Microstegium vimineum         10           Cornus racemosa         10           Euthamia graminifolia         20           Symphyotrichum dumosum         5           Lythrum salicaria         20	=Total Co  No No Yes No Yes	FACW  FAC FAC FAC FAC FAC	Column Totals: 215 (A) 535 (  Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
microstegium vimineum 10 Cornus racemosa 10 Euthamia graminifolia 20 Symphyotrichum dumosum 5 Lythrum salicaria 20	=Total Co  No No Yes No Yes	FAC FAC FAC FAC	Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
120   Symphyotrichum dumosum   5   Lythrum salicaria   20   Cornus amomum   5	No No Yes No Yes	FAC FAC FAC FAC	Prevalence Index = B/A = 2.49  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
erb Stratum (Plot size: 5' )  Microstegium vimineum 10  Cornus racemosa 10  Euthamia graminifolia 20  Symphyotrichum dumosum 5  Lythrum salicaria 20  Cornus amomum 5	No No Yes No Yes	FAC FAC FAC FAC	1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Microstegium vimineum 10 Cornus racemosa 10 Euthamia graminifolia 20 Symphyotrichum dumosum 5 Lythrum salicaria 20 Cornus amomum 5	No No Yes No Yes	FAC FAC FAC FAC	1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Microstegium vimineum10Cornus racemosa10Euthamia graminifolia20Symphyotrichum dumosum5Lythrum salicaria20Cornus amomum5	No Yes No Yes	FAC FAC	X 2 - Dominance Test is >50%  X 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Cornus racemosa10Euthamia graminifolia20Symphyotrichum dumosum5Lythrum salicaria20Cornus amomum5	No Yes No Yes	FAC FAC	4 - Morphological Adaptations <sup>1</sup> (Provide support data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Euthamia graminifolia 20 Symphyotrichum dumosum 5 Lythrum salicaria 20 Cornus amomum 5	Yes No Yes	FAC FAC	data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Symphyotrichum dumosum 5  Lythrum salicaria 20  Cornus amomum 5	No Yes	FAC	data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Symphyotrichum dumosum 5 Lythrum salicaria 20 Cornus amomum 5	No Yes	FAC	_   <del></del>
Lythrum salicaria 20 Cornus amomum 5	Yes	_	_   <del></del>
Cornus amomum 5	No		<ul> <li>Indicators of nydric soil and welland nydrology mus</li> </ul>
		FACW	be present, unless disturbed or problematic.
			Definitions of Vegetation Strata:
			Tree – Woody plants 3 in. (7.6 cm) or more in
			diameter at breast height (DBH), regardless of heigh
0			_
1.			<ul> <li>Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.</li> </ul>
2.			_
70	=Total Co	ver	<ul> <li>Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.</li> </ul>
Voody Vine Stratum (Plot size: 30' )	_		
. Vitis aestivalis 5	Yes	FACU	<b>Woody vines</b> – All woody vines greater than 3.28 ft height.
			Hydrophytic
·	_	<del>_</del>	Vegetation Present? Yes X No
·	=Total Co		<u> </u>

SOIL Sampling Point K-A1 wet

Profile Desc	ription: (Describe t Matrix	o the de		u <b>ment th</b> x Featur		ator or co	onfirm the absence o	f indicators.	.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	;
0-5	10YR 5/2	100					Loamy/Clayey			
5-15	10YR 5/1	70	10YR 5/6	30	С	M	Loamy/Clayey	Prominer	nt redox cor	ncentrations
<u> </u>	1011( 3/1		10110 3/0		<u> </u>	101	Loanly/Olaycy	1 TOTTILICE	it icdox con	icertifations
							<del></del>			
¹Type: C=Co	ncentration, D=Depl	etion, RN	M=Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.	<sup>2</sup> Location: P	L=Pore Linin	ng, M=Matrix	x.
Hydric Soil I			·				Indicators fo		_	
Histosol	(A1)		Dark Surface (	S7)			2 cm Mu	ıck (A10) ( <b>LR</b>	R K, L, ML	RA 149B)
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfac	ce (S8) (	LRR R,	Coast Pr	rairie Redox	(A16) ( <b>LRR</b>	K, L, R)
Black His	stic (A3)		MLRA 149B	)			5 cm Mu	icky Peat or I	Peat (S3) ( <b>I</b>	LRR K, L, R)
Hydroger	n Sulfide (A4)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA 1	I <b>49B</b> ) Polyvalu	e Below Surf	face (S8) ( <b>L</b>	.RR K, L)
Stratified	Layers (A5)		High Chroma S	3ands (S	311) ( <b>LRI</b>	R K, L)	Thin Dar	k Surface (S	9) ( <b>LRR K,</b>	L)
	Below Dark Surface	(A11)	Loamy Mucky			R K, L)		-		LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed		F2)					(MLRA 149B)
	odic (A17)		X Depleted Matri							ide MLRA 145)
-	A 144A, 145, 149B)		Redox Dark Su					allow Dark S		)
	ucky Mineral (S1) leyed Matrix (S4)		Depleted Dark				Other (E	xplain in Rer	narks)	
Sandy Re			Marl (F10) (LR		5)		<sup>3</sup> Indicate	rs of hydropl	hytic vogotc	ation and
	Matrix (S6)		Red Parent Ma		21) <b>(MI</b> F	2Δ 145)		id hydrology		
ouipped	Watrix (OO)		RCGT architime	iteriai (i .	21) (IVILI	(145)		disturbed or		
Restrictive L	ayer (if observed):						unios	diotarboa or	problemati	
Type:	non	e								
Depth (in	ches):						Hydric Soil Preser	nt? \	Yes X	No
							11,4110 00111 10001		<u> </u>	
Remarks: Remarks:										
Remarks.										



Wetland K-A - View facing East



Wetland K-A - Soils

Segment 10-Package 6

# **SITE PHOTOGRAPHS**

#### U.S. Army Corps of Engineers

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

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

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

Project/Site: CHPE - Segment 10 - Package	6	City/County: Ravena	ı/Albany	Sampling Date: 9/14/23							
Applicant/Owner: TDI		-	State: NY	Sampling Point: K-A1 up							
Investigator(s): C. Einstein		Section, To	wnship, Range:								
Landform (hillside, terrace, etc.): depression	n Local re	elief (concave, conve		Slope %: 0							
Subregion (LRR or MLRA): LRR R	Lat: 42.412875		-73.815839	Datum: NAD83							
Soil Map Unit Name: KrB- Kingsbury and Rh			NWI classification								
Are climatic / hydrologic conditions on the site		Vec v		•							
. •	•	Yes x		o, explain in Remarks.)							
Are Vegetation, Soil, or Hydrologysignificantly disturbed?											
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?	YesNo_X	Is the Sampled Ar	rea								
Hydric Soil Present?	Yes No X	-	within a Wetland? Yes No _X_								
Wetland Hydrology Present?	Yes No X	If yes, optional We	tland Site ID:								
Remarks: (Explain alternative procedures he	ere or in a separate report.)										
HYDROLOGY											
Wetland Hydrology Indicators:			Secondary Indicators	(minimum of two required)							
Primary Indicators (minimum of one is require			Surface Soil Crac	` ,							
Surface Water (A1)	Water-Stained Leaves (B	39)	Drainage Patterns (B10)								
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (								
Saturation (A3)	Marl Deposits (B15)										
Water Marks (B1)	Hydrogen Sulfide Odor (C										
Sediment Deposits (B2)		nizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)									
Drift Deposits (B3)	Presence of Reduced Iro										
Algal Mat or Crust (B4)		Reduction in Tilled Soils (C6) Geomorphic Position (D2)									
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard								
Inundation Visible on Aerial Imagery (B7	· <del></del>	(S)	Microtopographic	, ,							
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test	: (D5)							
Field Observations:	·· • • • • • • • • • • • • • • • • • •										
Surface Water Present? Yes	No x Depth (inches):	<del></del> [									
Water Table Present? Yes  Saturation Present? Yes	No x Depth (inches):		-! Understand Dragont(	. Vaa Na V							
	No x Depth (inches):	vvetian	d Hydrology Present?	? Yes No _X							
(includes capillary fringe)  Describe Recorded Data (stream gauge, more	nitoring well aerial photos pre	vious inspections) if	availahla.								
Describe recorded bata (officially gadge,e.	moning won, aonai priotos, pro-	vious irispositorio,, ii	avaliable.								
Remarks:											

**VEGETATION** – Use scientific names of plants. Sampling Point: K-A1 up Absolute Dominant Indicator <u>Tree Stratum</u> (Plot size: 30') % Cover **Dominance Test worksheet:** Species? Status 1. **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: 0 (A) 3. **Total Number of Dominant** 4. Species Across All Strata: 1 (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 0.0% (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15' x 1 = OBL species **FACW** species 0 x 2 = FAC species 10 x 3 =30 3. FACU species 9 x 4 = 36 4. UPL species 40 x 5 = 200 5. Column Totals: 59 Prevalence Index = B/A =4.51 6. **Hydrophytic Vegetation Indicators:** 1 - Rapid Test for Hydrophytic Vegetation =Total Cover Herb Stratum (Plot size: 5' ) 2 - Dominance Test is >50% Setaria pumila 10 No FAC 3 - Prevalence Index is ≤3.01 3 Dipsacus fullonum No **FACU** 4 - Morphological Adaptations<sup>1</sup> (Provide supporting 2. data in Remarks or on a separate sheet) 10 UPL 3. Artemisia vulgaris No 4. Lotus corniculatus 3 No **FACU** Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. Ambrosia artemisiifolia 3 No **FACU** <sup>1</sup>Indicators of hydric soil and wetland hydrology must UPL 30 6. Setaria viridis Yes 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. 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 59 =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 Vegetation Present? Yes \_\_\_\_ No X

=Total Cover

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

SOIL Sampling Point K-A1 up

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
Depth	Matrix										
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	<u>s</u>	
						·					
1- 0.0		<del></del>					21 (1	<u> </u>			
	ncentration, D=Deple	etion, RM	l=Reduced Matrix, N	1S=Masi	ked Sand	Grains.	<sup>2</sup> Location: Pl			_	
Hydric Soil Indicators:						Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) (LRR K, L, MLRA 149B)					
Histosol (			Dark Surface (		( <del>-</del> - ) (-			. , ,		•	
	Histic Epipedon (A2) —— Polyvalue Below Surface (S8) (LRR R,				RR R,	Coast Prairie Redox (A16) (LRR K, L, R)  5 cm Mucky Peat or Peat (S3) (LRR K, L, R)					
Black His			MLRA 149B					-			
	Sulfide (A4)		Thin Dark Surfa					e Below Sur			
	Layers (A5)		High Chroma S			-		s Surface (S			
	Below Dark Surface	(A11)	Loamy Mucky			R K, L)				(LRR K, L, R)	
	k Surface (A12)		Loamy Gleyed		F2)					) (MLRA 149B)	
	Mesic Spodic (A17) Depleted Matrix (F3)					Red Parent Material (F21) (outside MLRA 145)					
-	(MLRA 144A, 145, 149B) Redox Dark Surface (F6)				Very Shallow Dark Surface (F22)						
	Sandy Mucky Mineral (S1) Depleted Dark Surface (F7)				Other (Ex	plain in Rer	marks)				
	eyed Matrix (S4)		Redox Depress		3)		3				
Sandy Redox (S5) Marl (F10) ( <b>LRR K, L</b> )				<sup>3</sup> Indicators of hydrophytic vegetation and							
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145)			RA 145)	wetland hydrology must be present,							
						unless	disturbed o	r problema	tic.		
	ayer (if observed):										
Type:	none	9									
Depth (in	ches):						Hydric Soil Presen	t? '	Yes	No <u>X</u>	
Remarks:											
Gravel/stone	dust road										