

Project/Site: CHPE- Kreitmeir Road- MP 207.8	City/County: New Baltimore/ Greene Sa	ampling Date: <u>3/30/2023</u>						
Applicant/Owner: CHPE	State: NY	Sampling Point: Kreitmeir Pond						
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: New Baltimore							
Landform (hillside, terrace, etc.): Lake Plains Lo	ocal relief (concave, convex, none): Concave	Slope (%):						
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 24' 49.49"	Long: 73° 49' 00.83"	Datum:						
Soil Map Unit Name: Hudson Vergennes Soils	NWI classificati	ion: PUB						
Are climatic / hydrologic conditions on the site typical for this time of year	ar? Yes <u>X</u> No(If no, explain in F	Remarks.)						
Are Vegetation, Soil, or Hydrologysignificantly	y disturbed? Are "Normal Circumstances" preser	nt? Yes X No						
Are Vegetation, Soil, or Hydrologynaturally pr	oblematic? (If needed, explain any answers in I	Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area							

Hydric Soil Present?	Yes	No X	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.) Manmade pond that is within the front yard of a property next to a rail access road. Soil hole not possible/ needed due to standing water.										

Wetland Hydrology Indicato	ors:				Secondary Indicators (minimum of two required)			
Primary Indicators (minimum	of one is req	Surface Soil Cracks (B6)						
X Surface Water (A1)			Drainage Patterns (B10)					
High Water Table (A2)		_		Moss Trim Lines (B16)				
Saturation (A3)		_	Marl Deposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)		_	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)		_	Oxidized Rhizospheres on Li	ving Roots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)		_	Presence of Reduced Iron (C	(4)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)		_	Recent Iron Reduction in Tille	ed Soils (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)		_	Thin Muck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Aer	ial Imagery ((B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)			
Sparsely Vegetated Conc	ave Surface	; (B8)			FAC-Neutral Test (D5)			
Field Observations:								
Surface Water Present?	Yes X	No	Depth (inches):					
Water Table Present?	Yes	No 2	X Depth (inches):					
Saturation Present?	Yes	No	X Depth (inches):	Wetland Hy	Hydrology Present? Yes X No			
(includes capillary fringe)		·						
Describe Recorded Data (stre	am gauge, n	nonitorin	ng well, aerial photos, previous ins	spections), if avai	lable:			
Remarks:								
A soil data hole was not dug a	as this had st	tanding v	water and obligate species.					

Sampling Point: Kreitmeir Pond

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5.				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
7		=Total Cover		Prevalence Index worksheet:
Carling/Charle Otrature (Distaire) (15)		= I otal Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')	05	Vaa	FAC	OBL species x 1 = FACING species x 2 =
1. Cornus racemosa	25	Yes	FAC	FACW species x 2 =
2. <u>Salix nigra</u>	10	Yes	OBL	FAC species x 3 =
3				FACU species x 4 =
4		<u> </u>		UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X_2 - Dominance Test is >50%
1. Typha angustifolia	10	No	OBL	3 - Prevalence Index is ≤3.0 ¹
2. Lythrum salicaria	5	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Poa pratensis	65	Yes	FACU	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				The March Mart 2 in (7.0 and an more in dispersion
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.	80	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	00			or size, and woody plants less than 3.20 it tall.
<u>Woody Vine Stratum</u> (Plot size: <u>15'</u>)				Woody vines – All woody vines greater than 3.28 ft in
1			·	height.
2				Hydrophytic
3				Vegetation
4		. <u></u> .		Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

		to the d	-			or or conf	irm the absence of indica	tors.)	
Depth (inchos)	Matrix	%		ox Featur		Loc ²	Touturo	Remar	ko
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	LOC	Texture	Remar	KS
I									
					·				
					·				
							<u> </u>		
					·				
					·				
					·				
¹ Tvpe: C=	=Concentration, D=Dep	letion. R	M=Reduced Matrix.	CS=Cove	ered or Coa	ated Sand	Grains. ² Location: F	L=Pore Lining	. M=Matrix.
	oil Indicators:	,	, .		-		Indicators for Proble		
-	sol (A1)		Polyvalue Belov	v Surfac	e (S8) (I R	RR	2 cm Muck (A10)	-	
	Epipedon (A2)		MLRA 149B)		o (00) (1 1	,	Coast Prairie Rec	-	
	Histic (A3)		Thin Dark Surfa						-
									-
	ogen Sulfide (A4)		High Chroma S				Polyvalue Below		-
	fied Layers (A5)		Loamy Mucky M			(, L)	Thin Dark Surface		
	eted Below Dark Surfac	e (A11)	Loamy Gleyed		2)		Iron-Manganese		
	Dark Surface (A12)		Depleted Matrix				Piedmont Floodp	-	
	y Mucky Mineral (S1)		Redox Dark Su	``	,		Mesic Spodic (TA		IA, 145, 149B)
	y Gleyed Matrix (S4)		Depleted Dark	Surface ((F7)		Red Parent Mate		
	y Redox (S5)		Redox Depress	ions (F8)		Very Shallow Dar	k Surface (TF	12)
Stripp	oed Matrix (S6)		Marl (F10) (LRI	R K, L)			Other (Explain in	Remarks)	
Dark	Surface (S7)								
³ Indicators	s of hydrophytic vegeta	tion and	wetland hydrology mi	ust be pr	esent, unle	ess disturb	ped or problematic.		
	ve Layer (if observed)								
							Hydric Soil Present?	Vac	No Y
Deptil (inches):						Hydric Soli Present?	Yes	<u>No X</u>
Remarks:									
							0 to reflect the NRCS Field	Indicators of H	lydric Soils
version 7.	0 March 2013 Errata. (http://ww	w.nrcs.usda.gov/Inter	met/FSE		ENTS/nrcs	s142p2_051293.docx)		



Project/Site: CHPE- Kreitmeir Road- MP 207.8	City/County: New Baltimore/ Greene	Sampling Date: <u>3/30/2023</u>
Applicant/Owner: CHPE	Sta	ate: NY Sampling Point: G-K-1-Wet
Investigator(s): K. Weikotten, K. Schumacher	Section, Township, Range: New Baltime	ore
Landform (hillside, terrace, etc.): Lake Plains	Local relief (concave, convex, none): Conc	ave Slope (%):
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 2	24' 49.09" Long: <u>73° 49' 04.47</u> "	Datum:
Soil Map Unit Name: Hudson Vergennes Soils	NWI	classification: <u>PEM</u>
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 Hydrologys	significantly disturbed? Are "Normal Circumstanc	es" present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any ar	nswers in Remarks.)
		and a first and and for shows a set

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

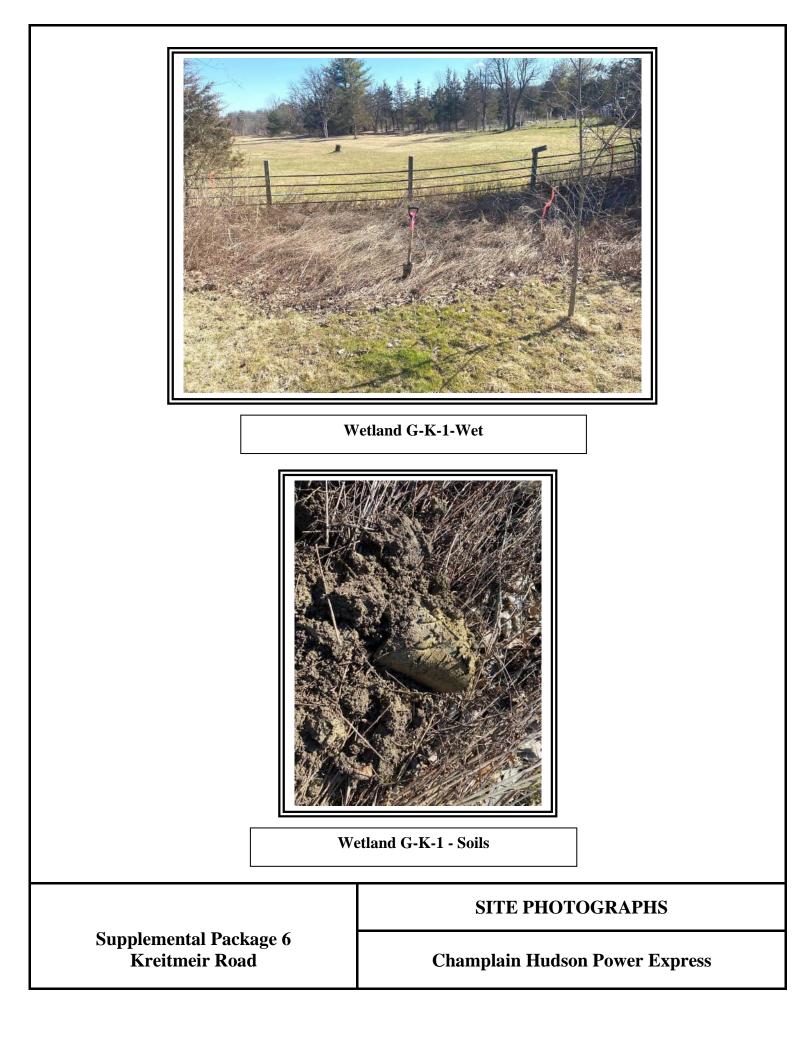
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>X</u> Yes <u>X</u> Yes <u>X</u>	No No No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	res here or in	a separate report.	

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)	X Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Livir	ng Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled	Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes X No Depth (inches): 0	Wetland Hydrology Present? Yes X No
Saturation Present? Yes X No Depth (inches): 0 (includes capillary fringe)	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
(includes capillary fringe)	
(includes capillary fringe)	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous insp	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous insp	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous insp	
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(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous insp	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous insp	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous insp	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous insp	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous insp	

Sampling Point: _____G-K-1-Wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	5	Yes	FAC	
2.		103		Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
				That Are OBL, FACW, or FAC:4 (A)
3				Total Number of Dominant
4				Species Across All Strata:4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of: Multiply by:
<u>Sapling/Shrub Stratum</u> (Plot size: 15')				OBL species x 1 =
1. Acer rubrum	5	Yes	FAC	FACW species x 2 =
2. Rhamnus cathartica	5	Yes	FAC	FAC species x 3 =
3				FACU species x 4 =
		·		
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. Lythrum salicaria	60	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
2. Solidago altissima	10	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.		·		
		·		¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
7		·		Definitions of Vegetation Strata:
8		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15')		-		Weedwainer Allweedwainer greater than 2.29 ft in
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
2		·		Hydrophytic
		·		Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	Matrix	to the d	lepth needed to docu Redo	x Featur		or or cor	nfirm the absence of	of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	ks	
0-6	10YR 3/2	100					Loamy/Clayey			
6-12	10YR 3/2	80	10YR 5/6	20	С	М	Mucky Loam/Clay	Prominent redox c	oncentrations	
							·			
							·			
<u> </u>										
		pletion, R	M=Reduced Matrix, C	S=Cove	red or Coa	ited San		ation: PL=Pore Lining	<u>^</u>	
-	il Indicators:			. Curfood				r Problematic Hydric		
	ol (A1) Eninadan (A2)		Polyvalue Belov	v Surface	e (58) (LR	κĸ,		ck (A10) (LRR K, L, M		
	Epipedon (A2)		MLRA 149B)	(00) (airie Redox (A16) (LRF	-	
	Histic (A3)		Thin Dark Surfa					cky Peat or Peat (S3) (
	gen Sulfide (A4)		High Chroma Sa	-				e Below Surface (S8) (-	
	ied Layers (A5)		Loamy Mucky M			(, L)		k Surface (S9) (LRR K		
Deplet	ted Below Dark Surfac	ce (A11)	Loamy Gleyed I	Matrix (F2	2)		Iron-Man	ganese Masses (F12)	(LRR K, L, R)	
Thick I	Dark Surface (A12)		Depleted Matrix	(F3)			Piedmont	t Floodplain Soils (F19) (MLRA 149B)	
Sandy	Mucky Mineral (S1)		X Redox Dark Sur	face (F6)		Mesic Sp	odic (TA6) (MLRA 14 4	IA, 145, 149B)	
Sandy	Gleyed Matrix (S4)		Depleted Dark S	Surface (F7)		Red Pare	ent Material (F21)		
	Redox (S5)		Redox Depressi		-		Very Shallow Dark Surface (TF12)			
	ed Matrix (S6)		 Marl (F10) (LRF				Other (Explain in Remarks)			
	Surface (S7)			, _/			01101 (22	, , , , , , , , , , , , , , , , , , ,		
³ Indicators	of hydrophytic vegeta	ition and	wetland hydrology mu	ist be pre	esent, unle	ess distu	rbed or problematic.			
	e Layer (if observed)									
Type:										
Depth (ir							Hydric Soil Pre	sent? Yes X	No	
Remarks:	NI		al and Narth sast Davi			(anaian C		DC Field Indiantana of I	ludvia Caila	
			ai and Northeast Regi w.nrcs.usda.gov/Inter	•	•			CS Field Indicators of H	Hydric Solis	
	March 2015 Ellata. (nup.//ww	w.mcs.usua.gov/mei				us 142p2_031293.00	(,)		



Project/Site: CHPE- Kreitmeyer R	oad- MP 207.7	C	ity/County: New Baltimore	/ Greene	Sampling Date: 3/30/2023				
Applicant/Owner: CHPE				State:	NY	Sampling Po	int: <u>G-к-1-Up</u>		
Investigator(s): K. Weiskotten, K. S	Schumacher	Se	ection, Township, Range:	New Baltimore					
Landform (hillside, terrace, etc.):	ake Plains	Loca	al relief (concave, convex,	none): <u>Concave</u>		Slope	(%):		
Subregion (LRR or MLRA): LRR R,	MLRA 144B Lat: 4	2° 24' 49.09"	Long: 7	3° 49' 04.47"		Datum:			
Soil Map Unit Name: Hudson Verge	nnes Soils			NWI classi	fication:	None			
Are climatic / hydrologic conditions	on the site typical for	this time of year	? Yes X No	(If no, explair	n in Rema	arks.)			
Are Vegetation, Soil	, or Hydrology	significantly o	listurbed? Are "Normal	Circumstances" pr	resent?	Yes X	No		
Are Vegetation, Soil	, or Hydrology	naturally prob	blematic? (If needed, e	explain any answer	s in Rem	arks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.									
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area						
Hydric Soil Present?	Yes	No X	within a Wetland?	Yes	No	Х			
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland	Site ID:					

Remarks: (Explain alternative procedures here or in a separate report.)

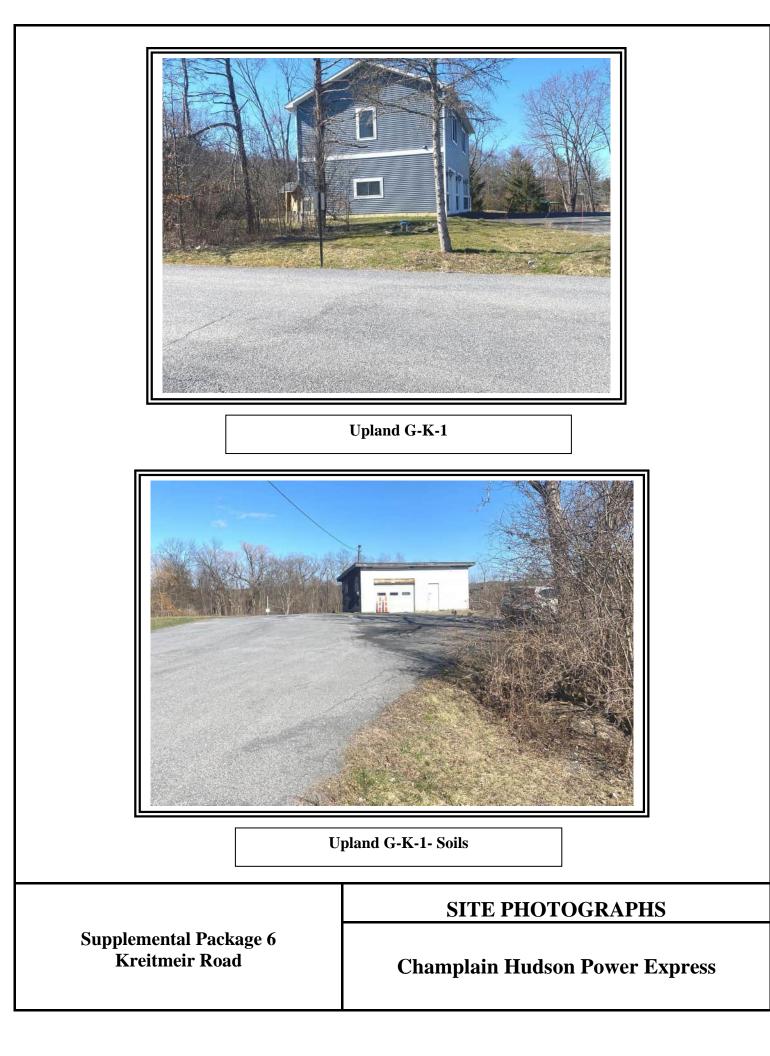
The upland location is a paved driveway and within a private lawn area. A soil data hole was not able to be dug.

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required	check all that apply)		Surface Soil Cracks (B6)	
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Livin	g Roots (C3)	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled	Soils (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)				
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 Hy	vdrology Present? Yes No X	
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monited	oring well, aerial photos, previous inspe	ections), if ava	ilable:	
Remarks:				

Sampling Point: G-K-1-Up

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
		· <u> </u>		
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC: 0 (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:0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A)(B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Poa pratensis	75	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Taraxacum officinale	10	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Trifolium pratense		No	FACU	data in Remarks or on a separate sheet)
4. Plantago lanceolata	-	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	95	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15')				Woody vines – All woody vines greater than 3.28 ft in
1		·		height.
2				Hydrophytic
3		. <u> </u>		Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Profile Des	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth	Matrix		Redo	x Feature	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remai	rks	
·										
·										
·										
·										
·										
	Concentration D=Der	letion R		S=Cove	red or Co:		Grains ² Location:	PL=Pore Lining	n M=Matrix	
	I Indicators:			0-00701			Indicators for Probl			<u>.</u>
Histos			Polyvalue Below		- (S8) (I R	RR	2 cm Muck (A10	-		۱
	Epipedon (A2)		MLRA 149B)	/ Gundoe	(00) (L I		Coast Prairie Re			/
	Histic (A3)		Thin Dark Surfac	ce (S9) (II RA 1491				R)
	gen Sulfide (A4)		High Chroma Sa				Polyvalue Below			,
	ed Layers (A5)		Loamy Mucky M	-			Thin Dark Surfac		-	
	ed Below Dark Surfac	ce (A11)	Loamy Gleyed N	-		(, _/	Iron-Manganese		-	R)
	Dark Surface (A12)		Depleted Matrix		_)		Piedmont Flood		-	
	Mucky Mineral (S1)		Redox Dark Sur)		Mesic Spodic (T	-		
	Gleyed Matrix (S4)		Depleted Dark S		-		Red Parent Mate			
	Redox (S5)		Redox Depressi	•	,		Very Shallow Da		12)	
	ed Matrix (S6)		 Marl (F10) (LRR				Other (Explain in		,	
	Surface (S7)			, ,				,		
—	()									
³ Indicators	of hydrophytic vegeta	tion and v	wetland hydrology mu	ist be pre	esent. unle	ess disturb	ped or problematic.			
	Laver (if observed)			<u> </u>						
Type:	,									
Depth (in	iches).						Hydric Soil Present?	Yes	No	x
								103		
Remarks:	arm is revised from N	orthooptro	and Northcost Dogi	anal Cur	nlomont \	largian 21	0 to reflect the NDCS Field	l Indiantara of I	Undria Caila	_
							0 to reflect the NRCS Field s142p2 051293.docx)	i maicators or i		j
		nup.// ••••					142p2_001200.000x)			



Project/Site: CHPE Package 6		City/Co	ounty: Hannacroix		Sampling Date:	11/30/21
Applicant/Owner: <u>CHA</u>				State: NY	Sampling Poir	ıt: <u>HB-5</u>
Investigator(s): Nick Dominic/Justin Williams	3		Section, Township,	Range:		
Landform (hillside, terrace, etc.):		Local relief (co	ncave, convex, none)	:	Slop	e %:
Subregion (LRR or MLRA): LRR R, MLRA	144B Lat:	42.41215	Long:73.816	69	Datum:	NAD83
Soil Map Unit Name:			NV	I classificatior	n: <u>PEM</u>	
Are climatic / hydrologic conditions on the site	e typical for t	this time of year?	Yes <u>X</u> No	o (lf no	, explain in Remarl	<s.)< td=""></s.)<>
Are Vegetation <u>No</u> , Soil <u>Y</u> , or Hydro	ology <u>N</u>	significantly disturbed?	Are "Normal Circu	imstances" pre	esent? Yes X	No
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydro	ology <u>N</u>	naturally problematic?	(If needed, explair	n any answers	in Remarks.)	
SUMMARY OF FINDINGS – Attach	ı site map	showing sampling	point locations, t	ransects, i	mportant featu	ures, etc.
Hydrophytic Vegetation Present?	Yes <u>X</u>	No Is the	e Sampled Area			
Hydric Soil Present?	Yes	No X with	n a Wetland?	YesX	No	

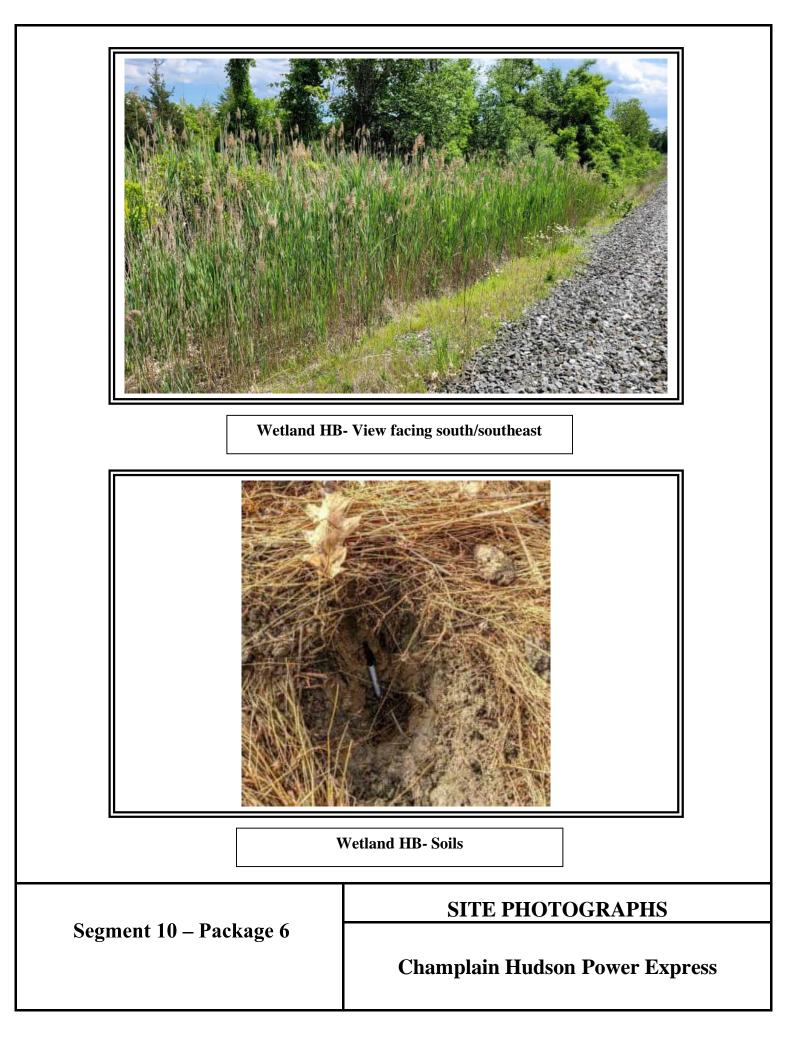
Hydric Soil Present? Wetland Hydrology Present?	Yes Yes X	No <u>X</u> No	within a Wetland? If yes, optional Wetland Site I	 No
Remarks: (Explain alternative procedures he Wetland HB	ere or in a se	eparate report.)		

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C	3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	X Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)
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): 3	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches): Wet	and Hydrology Present? Yes <u>X</u> No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspections)	if available:
Remarks:		

Sampling Point: HB-5

	Absolute	Dominant	Indicator		
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:	
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A))
3				Total Number of Dominant Species Across All Strata: 2 (B))
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/	(B)
				Prevalence Index worksheet:	
1		=Total Cover		Total % Cover of: Multiply by:	
Sapling/Shrub Stratum (Plot size: 15)				$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	
				FACW species $40 \times 2 = 80$	
2				FAC species $0 \times 3 = 0$	
3				FACU species $0 \times 4 = 0$	
4.				$\frac{1}{1} \frac{1}{1} \frac{1}$	
					(D)
5					(B)
6				Prevalence Index = B/A = <u>1.57</u>	
7				Hydrophytic Vegetation Indicators:	
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
<u>Herb Stratum</u> (Plot size: 5)				X 2 - Dominance Test is >50%	
1. Typha latifolia	30	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹	
 <u>Lythrum salicaria</u> 3. 	40	Yes	FACW	4 - Morphological Adaptations ¹ (Provide suppor data in Remarks or on a separate sheet)	ting
4.				Problematic Hydrophytic Vegetation ¹ (Explain)	
5.					- 4
6.				¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.	ST
7				Definitions of Vegetation Strata:	
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of heigi	ht.
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, regardle	288
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.	500
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 fr height.	t in
2.					
3.				Hydrophytic Vegetation	
4.				Present? Yes x No	
		=Total Cover			
Remarks: (Include photo numbers here or on a sepa				1	
	uie eneem,				

Profile Desc	ription: (Describe	to the de				tor or cc	onfirm the absence of i	ndicators.)	
Depth	Matrix			ox Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
						·			
						<u> </u>			
						·			
						<u> </u>			
Í ———				. <u> </u>		·			
¹ Type: C=Co	oncentration, D=Depl	letion RM		MS=Mas	ked Sand	Grains	² Location: PL =	Pore Lining, M=Ma	atrix
Hydric Soil		6101, 1	-Roduood matrix, .		Nou Gana	Granio.		Problematic Hydr	
Histosol			Polyvalue Belo	ow Surfa	ace (S8) (L	RR R.		(A10) (LRR K, L, I	
	vipedon (A2)		MLRA 149E		00 (00) (rie Redox (A16) (L	
Black His			Thin Dark Sur	,) (LRR R,	MLRA 1		y Peat or Peat (S3	
	n Sulfide (A4)		High Chroma					Below Surface (S8)	
	Layers (A5)		Loamy Mucky					Surface (S9) (LRR	
	Below Dark Surface	e (A11)	Loamy Gleyed			,,		anese Masses (F12	
	irk Surface (A12)		Depleted Matr		/			Floodplain Soils (F1	
	lucky Mineral (S1)		Redox Dark S		F6)			dic (TA6) (MLRA 1	
	leyed Matrix (S4)		Depleted Dark	-	-			t Material (F21)	
	edox (S5)		Redox Depres					ow Dark Surface (F	22)
	Matrix (S6)		Marl (F10) (LR		,			lain in Remarks)	,
	face (S7)								
—	· ·								
³ Indicators of	f hy <u>drophytic vegetat</u>	io <u>n and w</u>	etland hydrology m	iu <u>st be p</u>	resent, un	less dist	urbed or problematic.		
Restrictive I	_ayer (if observed):								
Type:	rocl	k							
Depth (ir	nches):	0					Hydric Soil Present	? Yes	NoX
						I	· · , · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Remarks:									



Project/Site: C	HPE Packa	ge 6	C	ity/County: Hannacroix		Sampling Date: 11/30/2021
Applicant/Owner	r: CHA			Sta	te: NY	Sampling Point: HB-9 Upland
Investigator(s):	Nick Domini	c/Justin Williams		Section, Township, Rang	je:	
Landform (hillsic	le, terrace, e	tc.):	Local rel	ief (concave, convex, none):		Slope %:
Subregion (LRR	or MLRA):	LRR R, MLRA 144B	Lat: 42.41157	Long: -73.81703		Datum: NAD83
Soil Map Unit Na	ame:			NWI cla	ssification	Upland
Are climatic / hy	drologic con	ditions on the site typic	al for this time of year?	Yes X No	(lf no,	explain in Remarks.)
Are Vegetation	, Soil	, or Hydrology	significantly disturbe	d? Are "Normal Circumsta	ances" pres	sent? Yes No
Are Vegetation	, Soil	, or Hydrology	naturally problemation	? (If needed, explain any	answers i	n Remarks.)
SUMMARY	of findin	IGS – Attach site	map showing sampl	ing point locations, tran	sects, in	nportant features, etc.

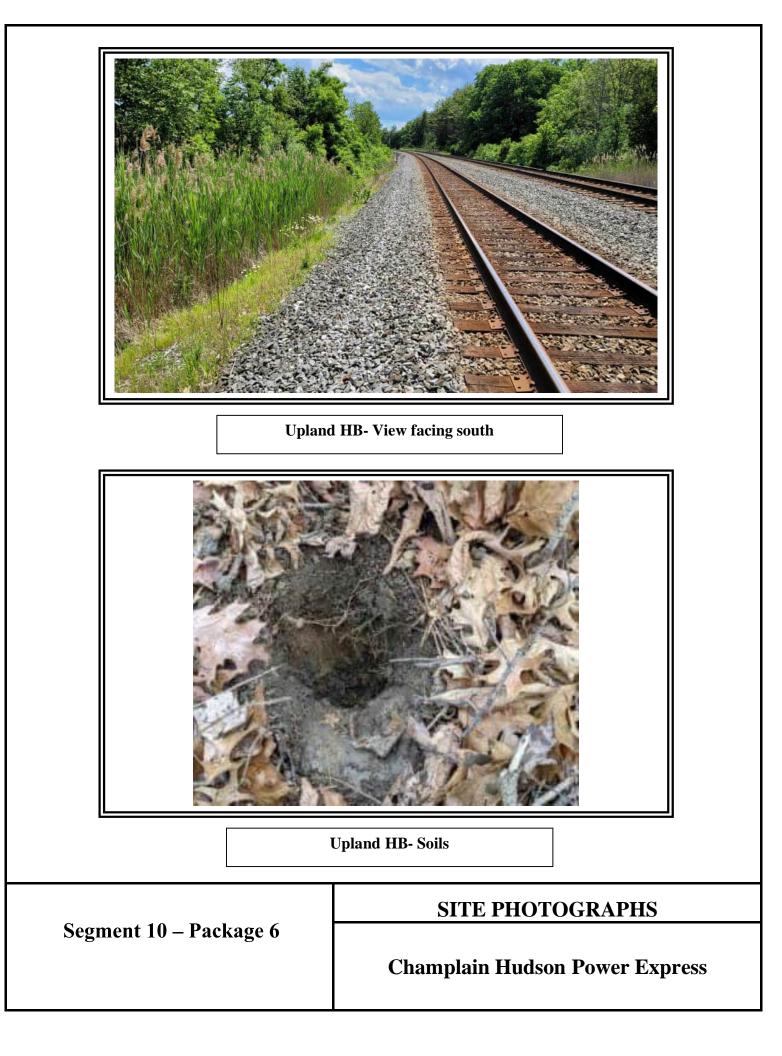
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:					
Hydric Soil Present?	Yes	No X						
Wetland Hydrology Present?	Yes	No X						
Remarks: (Explain alternative procedures here or in a separate report.)								

Wetland Hydrology Indicat	tors:				Secondary Indicators (min	imum 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 (B	10)			
High Water Table (A2)		Aquatio	: Fauna (B13)		Moss Trim Lines (B16	5)		
Saturation (A3)		Marl De	eposits (B15)		Dry-Season Water Ta	ble (C2)		
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8))		
Sediment Deposits (B2)	1	Oxidize	d Rhizospheres on Living F	Roots (C3)	Saturation Visible on A	Aerial Imagery (C9)		
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)		
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled So	oils (C6)	Geomorphic Position	(D2)		
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3))		
Inundation Visible on Ae	ndation Visible on Aerial Imagery (B7) Other (Explain in Remarks)				Microtopographic Reli	ief (D4)		
Sparsely Vegetated Cor	ncave Surface (F	38)			FAC-Neutral Test (D5	i)		
Field Observations:								
Surface Water Present?	Yes	No X	Depth (inches):					
Water Table Present?	Yes	No X	Depth (inches):					
Saturation Present?	Yes	No X	Depth (inches):	Wetlan	nd Hydrology Present?	Yes No X		
(includes capillary fringe)								
Describe Recorded Data (str	ream gauge, mo	onitoring well,	aerial photos, previous insp	pections), if	available:			
Remarks:								

Sampling Point: HB-9 Upland

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Fagus gandolfia	20	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3				Total Number of Dominant Species Across All Strata:4(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
	20	=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 20 x 3 = 60
3.				FACU species 40 x 4 = 160
4.				UPL species 30 x 5 = 150
5.				Column Totals: 90 (A) 370 (B)
6				Prevalence Index = B/A = 4.11
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Calium ann	20	Yes	FACU	$3 - Prevalence Index is \leq 3.0^{1}$
	20	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
<u> </u>				data in Remarks or on a separate sheet)
3. Daucus carota	30	Yes	UPL	
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
				and greater than of equal to 3.20 it (1 iii) tail.
12	70	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet)			I

Depth (inches) Matrix Redox Features 0-16 10yr 4/3 100 Image: Calor (moist) % Type Loc ² Texture Remarks 0-16 10yr 4/3 100 Image: Calor (moist) % Type Locamy/Clayey Image: Calor (moist) % Type Loamy/Clayey Image: Calor (moist) % Image: Calor (moist) % Type Loamy/Clayey Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist) Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist) Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist) Image: Calor (moist) Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist) Image: Calor (moist) Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist) % Image: Calor (moist)<
0-16 10yr 4/3 100 Loamy/Clayey
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Histosol (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (S11) Loapted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thinc Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Histosol (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (S11) Loapted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thinc Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6)
Hydric Soil Indicators:Indicators for Problematic Hydric Soils3:Histosol (A1)Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)2 cm Muck (A10) (LRR K, L, MLRA 149B)Black Histic (A3)Thin Dark Surface (S9) (LRR R, MLRA 149B)5 cm Mucky Peat or Peat (S3) (LRR K, L, R)Hydrogen Sulfide (A4)High Chroma Sands (S11) (LRR K, L)Polyvalue Below Surface (S8) (LRR K, L)Stratified Layers (A5)Loamy Mucky Mineral (F1) (LRR K, L)Thin Dark Surface (S9) (LRR K, L)Depleted Below Dark Surface (A11)Loamy Gleyed Matrix (F2)Iron-Manganese Masses (F12) (LRR K, L, Piedmont Floodplain Soils (F19) (MLRA 144Sandy Mucky Mineral (S1)Redox Dark Surface (F6)Mesic Spodic (TA6) (MLRA 144A, 145, 144
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 144) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 144)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 144) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 144)
Hydric Soil Indicators:Indicators for Problematic Hydric Soils3:Histosol (A1)Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)2 cm Muck (A10) (LRR K, L, MLRA 149B)Black Histic (A3)Thin Dark Surface (S9) (LRR R, MLRA 149B)5 cm Mucky Peat or Peat (S3) (LRR K, L, R)Hydrogen Sulfide (A4)High Chroma Sands (S11) (LRR K, L)Polyvalue Below Surface (S8) (LRR K, L)Stratified Layers (A5)Loamy Mucky Mineral (F1) (LRR K, L)Thin Dark Surface (S9) (LRR K, L)Depleted Below Dark Surface (A11)Loamy Gleyed Matrix (F2)Iron-Manganese Masses (F12) (LRR K, L, Piedmont Floodplain Soils (F19) (MLRA 144Sandy Mucky Mineral (S1)Redox Dark Surface (F6)Mesic Spodic (TA6) (MLRA 144A, 145, 144
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 144) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 144)
Hydric Soil Indicators:Indicators for Problematic Hydric Soils3:Histosol (A1)Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)2 cm Muck (A10) (LRR K, L, MLRA 149B)Black Histic (A3)Thin Dark Surface (S9) (LRR R, MLRA 149B)5 cm Mucky Peat or Peat (S3) (LRR K, L, R)Hydrogen Sulfide (A4)High Chroma Sands (S11) (LRR K, L)Polyvalue Below Surface (S8) (LRR K, L)Stratified Layers (A5)Loamy Mucky Mineral (F1) (LRR K, L)Thin Dark Surface (S9) (LRR K, L)Depleted Below Dark Surface (A11)Loamy Gleyed Matrix (F2)Iron-Manganese Masses (F12) (LRR K, L, Piedmont Floodplain Soils (F19) (MLRA 144Sandy Mucky Mineral (S1)Redox Dark Surface (F6)Mesic Spodic (TA6) (MLRA 144A, 145, 144
Hydric Soil Indicators:Indicators for Problematic Hydric Soils3:Histosol (A1)Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)2 cm Muck (A10) (LRR K, L, MLRA 149B)Black Histic (A3)Thin Dark Surface (S9) (LRR R, MLRA 149B)5 cm Mucky Peat or Peat (S3) (LRR K, L, R)Hydrogen Sulfide (A4)High Chroma Sands (S11) (LRR K, L)Polyvalue Below Surface (S8) (LRR K, L)Stratified Layers (A5)Loamy Mucky Mineral (F1) (LRR K, L)Thin Dark Surface (S9) (LRR K, L)Depleted Below Dark Surface (A11)Loamy Gleyed Matrix (F2)Iron-Manganese Masses (F12) (LRR K, L, Piedmont Floodplain Soils (F19) (MLRA 144Sandy Mucky Mineral (S1)Redox Dark Surface (F6)Mesic Spodic (TA6) (MLRA 144A, 145, 144
Hydric Soil Indicators:Indicators for Problematic Hydric Soils3:Histosol (A1)Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)2 cm Muck (A10) (LRR K, L, MLRA 149B)Black Histic (A3)Thin Dark Surface (S9) (LRR R, MLRA 149B)5 cm Mucky Peat or Peat (S3) (LRR K, L, R)Hydrogen Sulfide (A4)High Chroma Sands (S11) (LRR K, L)Polyvalue Below Surface (S8) (LRR K, L)Stratified Layers (A5)Loamy Mucky Mineral (F1) (LRR K, L)Thin Dark Surface (S9) (LRR K, L)Depleted Below Dark Surface (A11)Loamy Gleyed Matrix (F2)Iron-Manganese Masses (F12) (LRR K, L, Piedmont Floodplain Soils (F19) (MLRA 144Sandy Mucky Mineral (S1)Redox Dark Surface (F6)Mesic Spodic (TA6) (MLRA 144A, 145, 144
Hydric Soil Indicators:Indicators for Problematic Hydric Soils3:Histosol (A1)Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)2 cm Muck (A10) (LRR K, L, MLRA 149B)Black Histic (A3)Thin Dark Surface (S9) (LRR R, MLRA 149B)5 cm Mucky Peat or Peat (S3) (LRR K, L, R)Hydrogen Sulfide (A4)High Chroma Sands (S11) (LRR K, L)Polyvalue Below Surface (S8) (LRR K, L)Stratified Layers (A5)Loamy Mucky Mineral (F1) (LRR K, L)Thin Dark Surface (S9) (LRR K, L)Depleted Below Dark Surface (A11)Loamy Gleyed Matrix (F2)Iron-Manganese Masses (F12) (LRR K, L, Piedmont Floodplain Soils (F19) (MLRA 144Sandy Mucky Mineral (S1)Redox Dark Surface (F6)Mesic Spodic (TA6) (MLRA 144A, 145, 144
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Hydric Soil Indicators:Indicators for Problematic Hydric Soils3:Histosol (A1)Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2)2 cm Muck (A10) (LRR K, L, MLRA 149B)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, I)Stratified Layers (A5)Loamy Mucky Mineral (F1) (LRR K, L)Thin Dark Surface (S9) (LRR K, L, I)Depleted Below Dark Surface (A11)Loamy Gleyed Matrix (F2)Iron-Manganese Masses (F12) (LRR K, L, I)Thick Dark Surface (A12)Depleted Matrix (F3)Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1445)Sandy Mucky Mineral (S1)Redox Dark Surface (F6)Mesic Spodic (TA6) (MLRA 144A, 145, 1445)
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Histic Epipedon (A2)MLRA 149B)Coast Prairie Redox (A16) (LRR K, L, R)Black Histic (A3)Thin Dark Surface (S9) (LRR R, MLRA 149B)5 cm Mucky Peat or Peat (S3) (LRR K, L, R)Hydrogen Sulfide (A4)High Chroma Sands (S11) (LRR K, L)Polyvalue Below Surface (S8) (LRR K, L)Stratified Layers (A5)Loamy Mucky Mineral (F1) (LRR K, L)Thin Dark Surface (S9) (LRR K, L)Depleted Below Dark Surface (A11)Loamy Gleyed Matrix (F2)Iron-Manganese Masses (F12) (LRR K, L,Thick Dark Surface (A12)Depleted Matrix (F3)Piedmont Floodplain Soils (F19) (MLRA 144Sandy Mucky Mineral (S1)Redox Dark Surface (F6)Mesic Spodic (TA6) (MLRA 144A, 145, 144
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Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 14 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 145, 145, 145, 145, 145, 145, 145
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 145, 145, 145, 145, 145, 145, 145
Sandy Clayed Matrix (S4) Depleted Dark Surface (E7) Bod Derect Material (E24)
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)
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if observed):
Туре:
Depth (inches): Hydric Soil Present? Yes No X
Remarks:



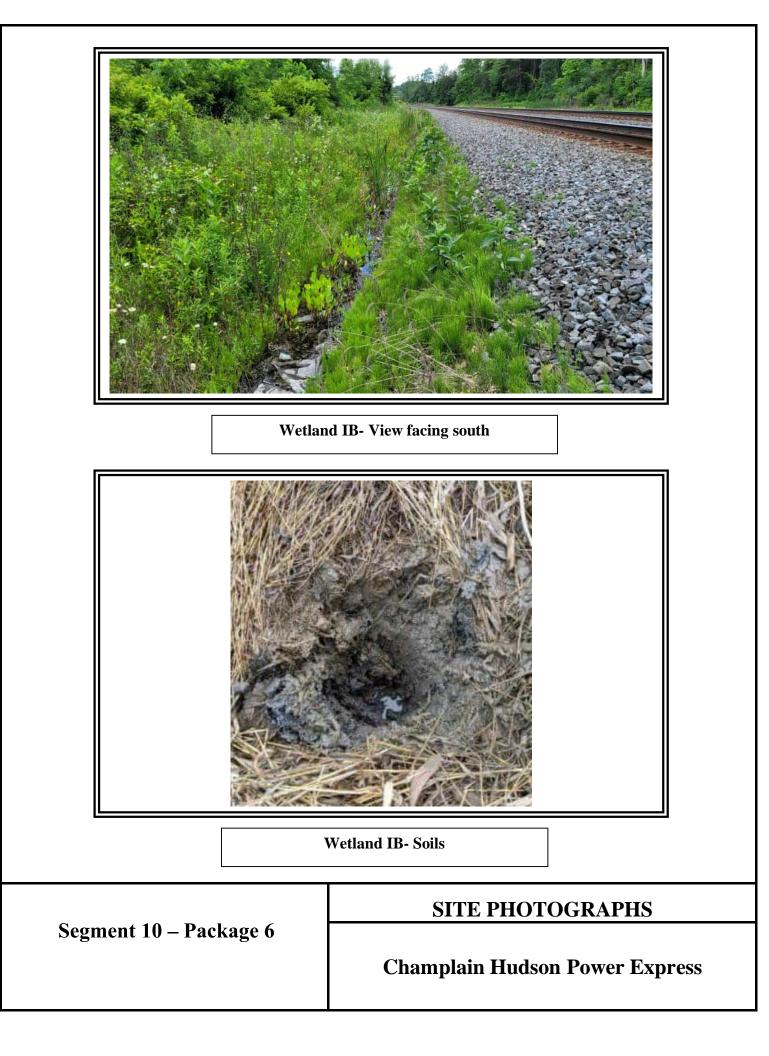
Project/Site: CHPE Package 6	City/County: Hannacroix Sampling Date: 11/30/21					
Applicant/Owner: CHA	State: NY Sampling Point: IB-2					
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:					
Landform (hillside, terrace, etc.):	cal relief (concave, convex, none): Slope %:					
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.41015	Long: <u>-73.81759</u> Datum: <u>NAD83</u>					
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 <u>No</u> , Soil <u>Y</u> , or Hydrology <u>N</u> significantly dis	turbed? Are "Normal Circumstances" present? Yes X No					
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> naturally proble	ematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sa	ampling point locations, transects, important features, etc.					

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes No X Yes X No	Is the Sampled A within a Wetland If yes, optional We	? Yes <u>X</u> No
Remarks: (Explain alternative procedu Wetland IB	res here or in a separate report.)		
HYDROLOGY			
Wetland Hydrology Indicators: Primary Indicators (minimum of one is r X Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imager Sparsely Vegetated Concave Surfat	Water-Stained Leaves (Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced Ir Recent Iron Reduction Thin Muck Surface (C7) y (B7) Other (Explain in Rema	(C1) on Living Roots (C3) ron (C4) in Tilled Soils (C6))	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge)	No X Depth (inches) No X Depth (inches)):): Wetlan	nd Hydrology Present? Yes X No available:
Remarks:			

Sampling Point: IB-2

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% 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)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 20 x 1 = 20
				FACW species 30 x 2 = 60
2.				FAC species 0 x 3 = 0
3				FACU species $0 x 4 = 0$
4.				$\frac{1}{1} \frac{1}{1} \frac{1}$
5.				Column Totals: 50 (A) 80 (B)
6				Prevalence Index = B/A =1.60
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. <u>Alisma</u>	20	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹
2. Lythrum salicaria	30	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				1. disatena of hydria and suptimed hydrology as at
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Weedy plants 2 in (7.6 cm) or more in
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	50	=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
4.				Vegetation Present? Yes x No
*		=Total Cover		
		- Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Implementation % Color (most) % Type Los ² Texture Remarks Implementation Implementation </th <th>Profile Deso Depth</th> <th>cription: (Describe t Matrix</th> <th>to the de</th> <th>=</th> <th>ument t x Featur</th> <th></th> <th>tor or co</th> <th>onfirm the absence o</th> <th>f indicators.)</th> <th></th>	Profile Deso Depth	cription: (Describe t Matrix	to the de	=	ument t x Featur		tor or co	onfirm the absence o	f indicators.)	
Image: Subscript of the second state se	•		%				loc^2	Texture	Re	emarks
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :	(. , , , , , , , , , , , , , , , , , , ,				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :										
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Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) 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) Polyvalue Below Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Mart (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Piedmont Problematic. Restrictive Layer (if observed): Type: 0 Uppet (inches): 0 Depth (inches): 0	¹ Type: C=C	oncentration, D=Depl	etion, RN	I=Reduced Matrix, I	MS=Mas	ked Sand	Grains.			
Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Iron-kernet Material (F21) Very Shallow Dark Surface (F22) ************************************	Hydric Soil	Indicators:						Indicators f	or Problematic H	lydric Soils ³ :
Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy 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) 3 Marl (F10) (LRR K, L) Other (Explain in Remarks) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. No	Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (L	RR R,	2 cm Mu	ıck (A10) (LRR K ,	, L, MLRA 149B)
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) If observed): Type: rock Type: 0 If observed): No X	Histic Ep	pipedon (A2)		MLRA 149E	B)			Coast P	rairie Redox (A16) (LRR K, L, R)
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) If observed): Type: rock Type: 0 If observed): No X	Black Hi	istic (A3)		Thin Dark Sur	face (S9) (LRR R,	MLRA 1	49B) 5 cm Μι	icky Peat or Peat	(S3) (LRR K, L, R
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: 0 Inches): 0 Hydric Soil Present? Yes No X										
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy 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) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: 0 1 Meric Soil Present? Yes No										
Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: rock Depth (inches): 0 Hydric Soil Present? Yes NoX			(A11)				, _,			
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: rock Depth (inches): 0 Hydric Soil Present? Yes No X			. (,			12)			-	
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: rock Depth (inches): 0 Hydric Soil Present? Yes NoX						6)				
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) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: rock Depth (inches): 0						-				
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: rock Depth (inches): 0 Hydric Soil Present? Yes No X										
Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:						8)				
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed):				Marl (F10) (LF	R K , L)			Other (E	xplain in Remarks	S)
Restrictive Layer (if observed): Type: rock Depth (inches): 0 Hydric Soil Present? Yes No _X	Dark Su	rface (S7)								
Restrictive Layer (if observed): Type: rock Depth (inches): 0 Hydric Soil Present? Yes No _X										
Type: rock Depth (inches): 0 Hydric Soil Present? Yes	³ Indicators o	f hydrophytic vegetati	ion and v	vetland hydrology m	ust be p	resent, un	less dist	urbed or problematic.		
Depth (inches): 0 Hydric Soil Present? Yes No X	Restrictive	Layer (if observed):								
Depth (inches): 0 Hydric Soil Present? Yes No X	Type:	rocł	<							
		nahaa):	0					Hudria Sail Brass	nt? Vaa	No. V
Remarks:	Deptil (ii		0					Hydric Soli Frese		
	Remarks:									



Project/Site: CH	PE		City/	County: New Baltimore/Green	Samp	oling Date: <u>6</u>	.17.22
Applicant/Owner:	TDI			State:	NY Sar	mpling Point:	IB Upl
Investigator(s): J	ohn Greav	es & Chris Einstein		Section, Township, Range:			
Landform (hillside	, terrace, e	etc.): Hillslope	Local relief (concave, convex, none): Convex Slope %:				
Subregion (LRR o	r MLRA):	LRR R	Lat: <u>42.409566</u>	Long:73.817829		Datum: <u>N</u>	IAD83
Soil Map Unit Name: KrA, KrB - Kingsbury and Rhinebeck soils NWI classification:							
Are climatic / hydr	ologic con	ditions on the site typic	al for this time of year?	Yes X No	(If no, explair	n in Remarks.))
Are Vegetation	, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstanc	es" present?	Yes X	۰v
Are Vegetation	, Soil	, or Hydrology	naturally problematic?	(If needed, explain any ar	nswers in Rem	arks.)	
SUMMARY O	F FINDIN	NGS – Attach site	map showing sampling	g point locations, transe	cts, import	ant feature	es, etc.

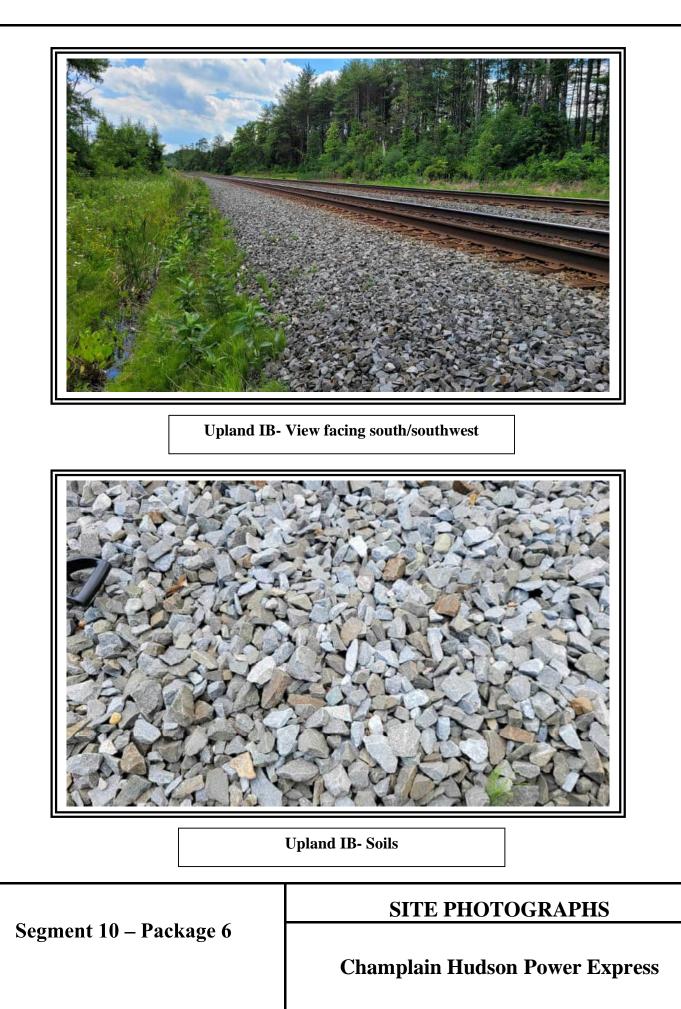
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu Railroad embankment.	res here or in a	separate report.)	·

Wetland Hydrology Indica	tors:				Secondary Indicators (min	imum of two required)	
Primary Indicators (minimur	<u>n of one is requir</u>	ed; check all	that apply)		Surface Soil Cracks (B6)		
Surface Water (A1)		Drainage Patterns (B1	10)				
High Water Table (A2)		Moss Trim Lines (B16	i)				
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)		Hydrog	jen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2))	Oxidize	ed Rhizospheres on Living	Roots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)		Presen	ice of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)	
Algal Mat or Crust (B4)		Recent	t Iron Reduction in Tilled Se	oils (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)	1	
Inundation Visible on A	ərial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Co	ncave Surface (E	38)			FAC-Neutral Test (D5)	
Field Observations:							
Surface Water Present?	Yes	No X	Depth (inches):				
Water Table Present?	Yes	No X	Depth (inches):	-			
Saturation Present?	Yes	No X	Depth (inches):	- Wetla	nd Hydrology Present?	Yes No X	
(includes capillary fringe)				-			
Describe Recorded Data (st	ream gauge, mo	nitoring well,	aerial photos, previous ins	pections), if	available:		
 Remarks:							

Sampling Point: IB Upl

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:1 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (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				FACW species 0 x 2 = 0
2.				FAC species 40 x 3 = 120
3.				FACU species 20 x 4 = 80
4.				UPL species 5 x 5 = 25
5.				Column Totals: 65 (A) 225 (B)
6.				Prevalence Index = B/A = 3.46
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)				2 - Dominance Test is >50%
1. Equisetum arvense	40	Yes	FAC	3 - Prevalence Index is <3.01
2. Asclepias purpurascens	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Daucus carota	5	<u> </u>	UPL	data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	65	=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: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ²	Texture	Remarks
						<u> </u>		
						·		
						·		
						·		
						·		
	oncentration, D=Depl	otion BM-	Boducod Matrix A		kod Sand	Craina	² Location: PL=Pore Lining	a M-Motrix
Hydric Soil			Reduced Matrix, N	13-11185	keu Sanu	Grains.	Indicators for Problemat	
Histosol			Polyvalue Belo	w Surfa	co (S8) (I		2 cm Muck (A10) (LR	-
	ipedon (A2)	-	NLRA 149B		ce (00) (I	-1111 11,	Coast Prairie Redox (
Black His			Thin Dark Surf	,		MIRA 1		Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	-	High Chroma S				Polyvalue Below Surf	
	Layers (A5)	-	Loamy Mucky				Thin Dark Surface (S	
	Below Dark Surface	- (A11)	Loamy Gleyed			、 ι 、 , ∟)		ses (F12) (LRR K, L, R)
·	rk Surface (A12)		Depleted Matri		- 2)			Soils (F19) (MLRA 149B)
	ucky Mineral (S1)	-	Redox Dark Su		6)			MLRA 144A, 145, 149B)
	leyed Matrix (S4)	-	Depleted Dark				Red Parent Material (
	edox (S5)	-	Redox Depres				Very Shallow Dark Su	
	Matrix (S6)	-	Marl (F10) (LR		-,		Other (Explain in Ren	
	face (S7)	-		, _, _,				·····,
[<u> </u>								
³ Indicators of	hvdrophytic vegetat	ion and we	land hvdrology m	ust be pr	resent. ur	iless disti	urbed or problematic.	
	ayer (if observed):		, ,,		,		, I	
Туре:								
Depth (ir	iches).						Hydric Soil Present? Y	′es No X
Remarks:	a is revised from No	where a sector of the	and North cost Dog	ional Cu		Versien	2.0 to include the NDCC Field India	atore of Lludric Coile
	2015 Errata. (http://w						2.0 to include the NRCS Field Indic 2n2_051293 docx)	ators of Hydric Solis,
	of railroad ballast.			02_000	Somerti	5/11/00/11	.p	



Project/Site: CHPE Package	6	City/County: Hannacroix	Sampling Date: 12/1/21				
Applicant/Owner: CHA		State: NY	Sampling Point: JB-2				
Investigator(s): Nick Dominic/	Justin Williams	Section, Township, Range:					
Landform (hillside, terrace, etc							
Subregion (LRR or MLRA): L	RR R, MLRA 144B Lat: 42.40983	Long: -73.81798	Datum: NAD83				
Soil Map Unit Name:		NWI classification	E PEM				
Are climatic / hydrologic condit	tions on the site typical for this time of year?	Yes X No (If no,	explain in Remarks.)				
	Y, or Hydrology N significantly distur						
	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 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: If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) Wetland JB If yes, optional Wetland Site ID: If yes, optional Wetland Site ID:							
HYDROLOGY							
Wetland Hydrology Indicato	ors:	Secondary Indicators	(minimum of two required)				
Primary Indicators (minimum	of one is required; check all that apply)	Surface Soil Crac	ks (B6)				
X Surface Water (A1)	Water-Stained Leaves (B9) Drainage Patterns	s (B10)				
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines ((B16)				
Saturation (A3)	Marl Deposits (B15)	Dry-Season Wate	r Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor	(C1) Crayfish Burrows	(C8)				

Oxidized Rhizospheres on Living Roots (C3)

Recent Iron Reduction in Tilled Soils (C6)

Depth (inches): 6

Depth (inches):

Depth (inches):

Presence of Reduced Iron (C4)

Thin Muck Surface (C7)

Other (Explain in Remarks)

Describe	Deserded Date	(atroam aguas	monitoring	aarial abataa	previous inspection	a) if availables
Describe	Recorded Data	istream dauge	. monitorina weil.	aenai priotos.	Drevious inspection	SI. II avaliable.

No

No X

No X

Remarks:

Sediment Deposits (B2)

Algal Mat or Crust (B4)

Inundation Visible on Aerial Imagery (B7)

Sparsely Vegetated Concave Surface (B8)

Yes X

Yes

Yes

Drift Deposits (B3)

Iron Deposits (B5)

Field Observations: Surface Water Present?

Water Table Present?

(includes capillary fringe)

Saturation Present?

Saturation Visible on Aerial Imagery (C9)

Yes X No

Stunted or Stressed Plants (D1)

Geomorphic Position (D2)

Microtopographic Relief (D4) FAC-Neutral Test (D5)

Shallow Aquitard (D3)

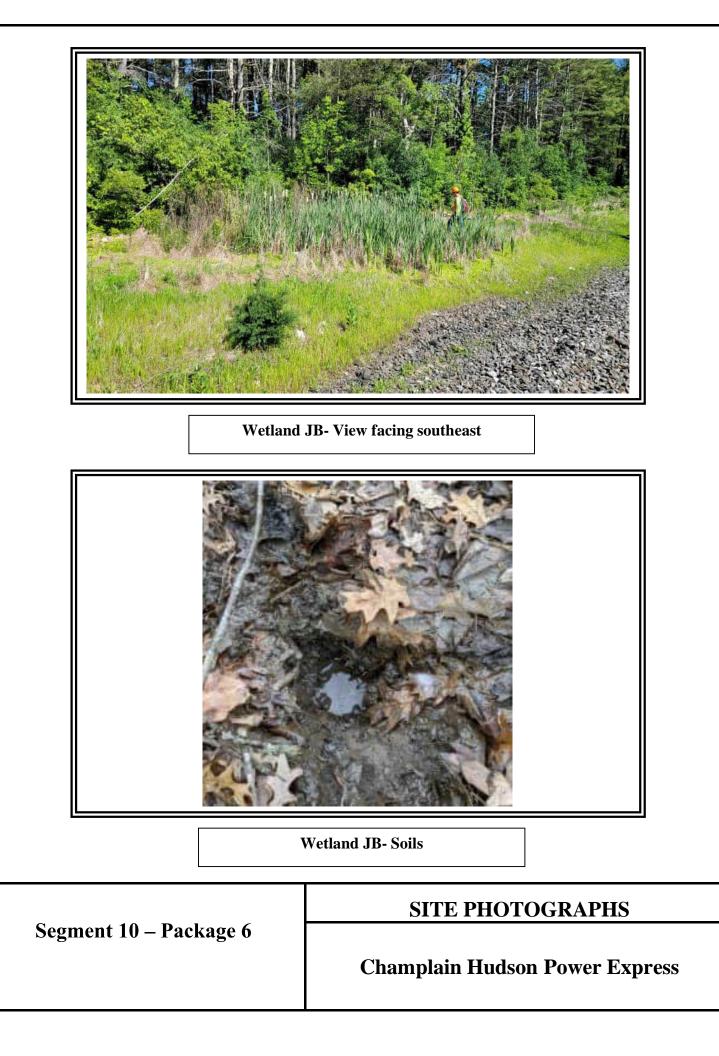
Wetland Hydrology Present?

Sampling Point: JB-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 (A)
3.				Total Number of Dominant
4.				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 40 x 1 = 40
1				FACW species 85 x 2 = 170
2.				FAC species $0 \times 3 = 0$
2				FACU species 0 x 4 = 0
4				UPL species $0 \times 5 = 0$
5				Column Totals: 125 (A) 210 (B)
6				Prevalence Index = $B/A = 1.68$
7.				Hydrophytic Vegetation Indicators:
Line Obstance (Distained F		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Typha latifolia	40	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹
2. Persicaria	60	Yes	FACW	 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
3. <u>Carex</u>	25	Yes	FACW	
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	125	=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
4.				Vegetation Present? Yes x No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ				
Remarks. (include photo numbers here of on a separ	ale sneel.)			

SOIL

		to the dep				tor or co	onfirm the absence	of indicators.)
Depth	Matrix			x Featu		. 2	- .	5 .
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10yr 4/2						Sandy	
———		·						
		·						
		·						
		·						
. <u> </u>		·						
	oncentration, D=Dep	letion, RM=	Reduced Matrix,	MS=Mas	sked Sand	Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil								for Problematic Hydric Soils ³ :
Histosol	. ,	-	Polyvalue Bel		ice (S8) (L	.RR R,		luck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149E					Prairie Redox (A16) (LRR K, L, R)
	istic (A3)	-	Thin Dark Sur					lucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)	-	High Chroma					lue Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky			R K , L)		ark Surface (S9) (LRR K, L)
	d Below Dark Surfac	e (A11)	Loamy Gleyed		(F2)			anganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	-	Depleted Matr		- 0			ont Floodplain Soils (F19) (MLRA 149B)
	Nucky Mineral (S1)	-	Redox Dark S	-	-			Spodic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)	-	Depleted Dark					arent Material (F21)
	Redox (S5)	-	Redox Depres	```	8)			hallow Dark Surface (F22)
	Matrix (S6)	-	Marl (F10) (L F	(R K , L)				Explain in Remarks)
Dark Su	ırface (S7)							
³ Indiactora a	f hydrophytic ycacto	tion and wa	tland bydrology m	uat ha n	rocont ur	loop diat	urbod or problematic	
			aland hydrology m	usi be p	resent, ur	ness alst	urbed or problematic	
Type:	Layer (if observed): roc							
Depth (i	nches):	6					Hydric Soil Prese	ent? Yes <u>X</u> No
Remarks:								



Project/Site: CHPE Package 6	City/County: Hannacroix Sampling Date: 12/1/2021
Applicant/Owner: CHA	State: NY Sampling Point: JB-3 UPL
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.):Loc	al relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.40979	Long: -73.81807 Datum:
Soil Map Unit Name:	NWI classification: Upland
Are climatic / hydrologic conditions on the site typical for this time of year	? Yes X No (If no, explain in Remarks.)
Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> significantly dist	turbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> naturally proble	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.

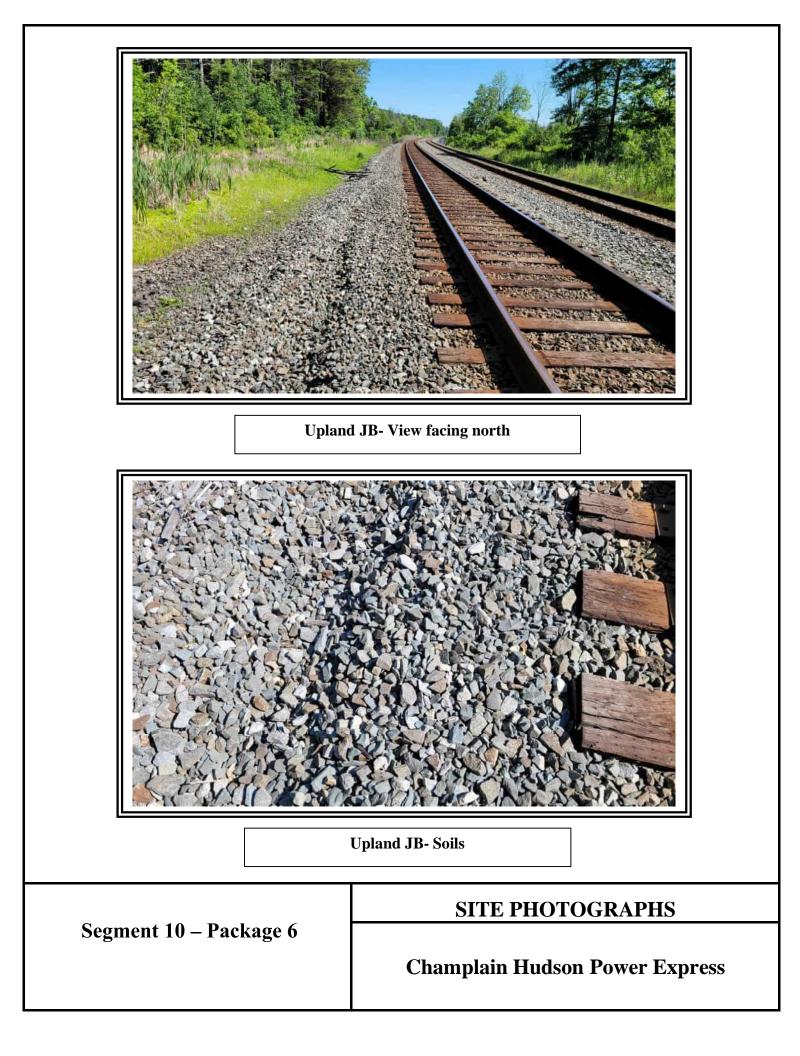
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedures Upland for WL JB	here or in a se	eparate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)	
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Position (D2)
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	3)	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, mon	itoring well, aerial photos, previous inspec	ctions), if available:
Remarks:		
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspec	ctions), if available:

Sampling Point: JB-3 UPL

	Absolute	Dominant	Indicator	Deminung Test medalaat
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
 Pinus resinosa 2. 	50	Yes	FACU	Number of Dominant Species 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
6				That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)
7				Prevalence Index worksheet:
	50	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1. Rhamnus cathartica	60	Yes	FAC	FACW species 0 x 2 = 0
2				FAC species <u>60</u> x 3 = <u>180</u>
3				FACU species 80 x 4 = 320
4				UPL species x 5 =0
5				Column Totals: 140 (A) 500 (B)
6				Prevalence Index = B/A =3.57
7				Hydrophytic Vegetation Indicators:
	60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Rosa multiflora	30	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11		,		and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	30	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4				Present? Yes No x
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			1

	cription: (Describe	to the de				tor or co	onfirm the absence	of indicators.)
Depth	Matrix			x Featu		. 2	- /	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	10yr 4/3	100					Sandy	
	oncentration, D=Depl	etion, RN	Reduced Matrix, N	//S=Mas	ked Sand	l Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators	for Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ice (S8) (I	_RR R,		1uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	,				Prairie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surf	•				lucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S			-		lue Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky			R K, L)		ark Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			anganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri					ont Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su					Spodic (TA6) (MLRA 144A, 145, 149B)
	Bleyed Matrix (S4)		Depleted Dark					arent Material (F21)
	Redox (S5)		Redox Depres		8)			hallow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)
Dark Su	rface (S7)							
3								
	f hydrophytic vegetat	ion and w	etland hydrology m	ust be p	resent, ur	less dist	urbed or problematic	S
	Layer (if observed):							
Type:								
Depth (i	nches):						Hydric Soil Pres	ent? Yes <u>No x</u>
Remarks:							•	
This data for	rm is revised from No	rthcentral	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NF	RCS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)	



			3
Project/Site: CHPE Package 6	City/County: Hannad	roix	Sampling Date: 12/1/21
Applicant/Owner: CHA		State: NY	Sampling Point: KB-2
Investigator(s): <u>Nick Dominic/Justin Williams</u>	Section, To	wnship, Range:	
Landform (hillside, terrace, etc.):	Local relief (concave, conve	ex, none):	Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144E		-73.81867	Datum: NAD83
Soil Map Unit Name:		NWI classification:	PEM
Are climatic / hydrologic conditions on the site typ	ical for this time of year? Yes X	 No (lf no. (explain in Remarks.)
Are Vegetation No , Soil Y , or Hydrology		nal Circumstances" pres	
Are Vegetation N , Soil N , or Hydrology		d, explain any answers ir	
SUMMARY OF FINDINGS – Attach sit	e map showing sampling point local	ions, transects, im	portant features, etc.
Hydric Soil Present? Ye	s X No Is the Sampled A s X No within a Wetland? s X No If yes, optional We	? Yes <u>X</u>	No
Wetland KB			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (I	minimum of two required)
Primary Indicators (minimum of one is required;	check all that apply)	Surface Soil Crack	s (B6)
X Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns	(B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (E	316)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	Table (C2)
	K Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible of	on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stresse	d Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position	on (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (I	D3)
Inundation Visible on Aerial Imagery (B7)	Microtopographic F	Relief (D4)	

Field Observations:								
Surface Water Present?	Yes	Х	No		Depth (inches):	8		
Water Table Present?	Yes		No	Х	Depth (inches):			
Saturation Present?	Yes		No	Х	Depth (inches):		Wetland Hydrology Present?	Yes X No
(includes capillary fringe)								
Describe Recorded Data (s	tream ga	auge, mo	nitorin	g well,	aerial photos, previo	ous inspe	ections), if available:	
Remarks:								

Sparsely Vegetated Concave Surface (B8)

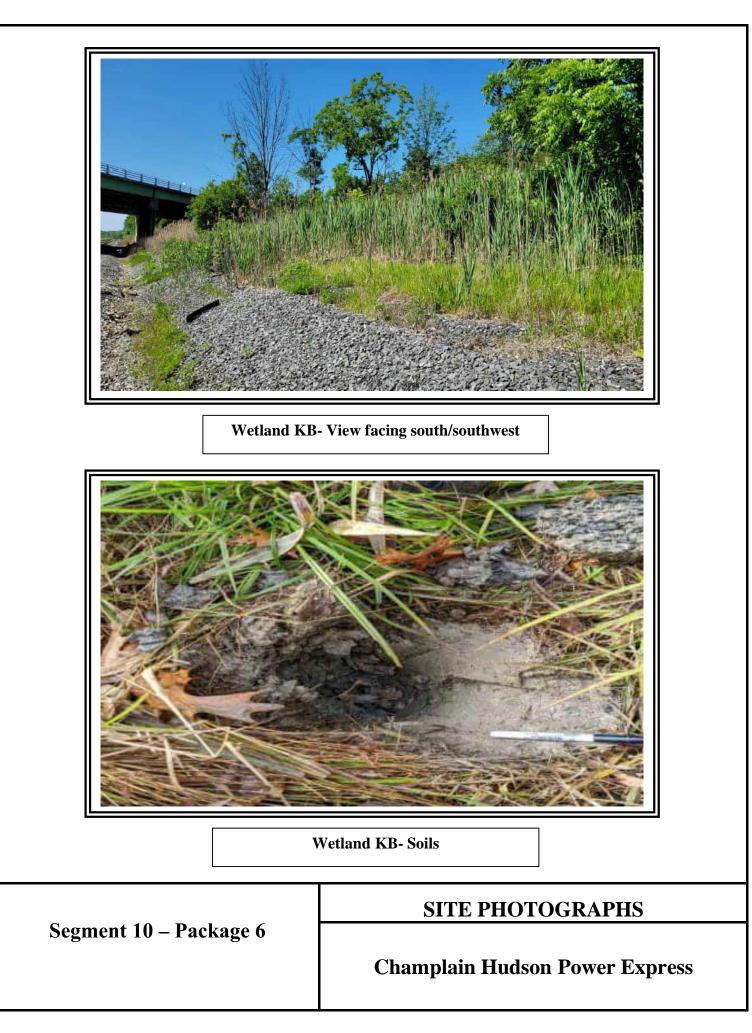
FAC-Neutral Test (D5)

Sampling Point: KB-2

	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test w	/orksheet:		
1. Quercus bicolor	25	Yes	FACW	Number of Dominar	nt Species		
2				That Are OBL, FAC		3	(A)
3				Total Number of Do	minant		
4				Species Across All		3	(B)
5.				Percent of Dominar	t Spacias		
6.				That Are OBL, FAC		100.0%	(A/B)
7.				Prevalence Index	worksheet:		_ ` /
		=Total Cover		Total % Cover		Multiply by	:
Sapling/Shrub Stratum (Plot size: 15)				OBL species	0 x	1 = 0	
1. Cornus sericea	25	Yes	FACW	FACW species		2 = 150	
2.				FAC species		3 = 0	
3.				FACU species		4 = 0	
4.				UPL species		4 = 0 5 = 0	
5.							(D)
				Column Totals:	75 (A		(B)
6					ndex = B/A =		
7				Hydrophytic Vege			
	25	=Total Cover		1 - Rapid Test f		c Vegetation	
Herb Stratum (Plot size: 5)				X 2 - Dominance			
1. Phragmites australis	25	Yes	FACW	X 3 - Prevalence	Index is ≤3.0 ¹		
2				4 - Morphologic			
3				data in Rema	arks or on a se	eparate snee	t)
4				Problematic Hy	drophytic Veg	jetation ¹ (Exp	olain)
5				¹ Indicators of hydric	soil and wetla	and hydrolog	v must
6				be present, unless			,
7				Definitions of Veg	etation Strata	a:	
8.				Tree – Woody plan	ts 3 in (76 cm	n) or more in	
9.				diameter at breast h			
10.				Sapling/shrub – W	loody plants k	ace than 2 in	ПВП
11.				and greater than or			DBH
12.							
	25	=Total Cover		Herb – All herbaced of size, and woody			
Woody Vine Stratum (Plot size: 30)							
1.				Woody vines – All height.	woody vines (greater than :	3.28 ft in
2.							
3.				Hydrophytic			
4.				Vegetation Present? Y		No	
4				Fresent? T	es <u>x</u>	No	
		=Total Cover					
Remarks: (Include photo numbers here or on a sepa	rate sheet.)						

SOIL	
------	--

		to the dep				or or co	onfirm the absence of indic	ators.)
Depth	Matrix			ox Featur		1 2	- .	B 1
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10yr 4/2						Sandy	
		·						
		·						
		·						
		·						
¹ Type: C=Co	oncentration, D=Depl	etion. RM	=Reduced Matrix.	MS=Mas	sked Sand	Grains.	² Location: PL=Pore	e Lining, M=Matrix,
Hydric Soil			,					blematic Hydric Soils ³ :
Histosol		_	Polyvalue Belo	ow Surfa	ice (S8) (L	RR R,		0) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149E	3)			Coast Prairie R	edox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Sur	face (S9) (LRR R,	MLRA 1	49B) 5 cm Mucky Pe	eat or Peat (S3) (LRR K, L, R)
X Hydroge	n Sulfide (A4)		High Chroma				Polyvalue Belo	w Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRR	K , L)	Thin Dark Surfa	ace (S9) (L RR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			e Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matr					dplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark S	-	-			TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)	•	Depleted Dark				Red Parent Ma	
	edox (S5)	•	Redox Depres		8))ark Surface (F22)
	Matrix (S6) face (S7)	•	Marl (F10) (LF	(K K , L)			Other (Explain	in Remarks)
³ Indicators of	hvdrophytic vegetat	ion and we	etland hydrology m	iust be p	resent. un	ess dist	urbed or problematic.	
	_ayer (if observed):		<u>, , , , , , , , , , , , , , , , , , , </u>	<u></u>				
Type:	rocl							
 Depth (ir	ches):	6					Hydric Soil Present?	Yes <u>X</u> No
							· · , ···· · · · · · · · · · · · · · · · ·	
Remarks:								



Project/Site: Cl	HPE			City	/County: <u>New Ba</u>	ltimore/Green	5	Sampling Date:	6.20.22
Applicant/Owner	: <u>TDI</u>					State:	NY	Sampling Point:	KB Upl
Investigator(s):	John Greav	es & Chris Ei	nstein		Section, Tov	vnship, Range:			
Landform (hillside	e, terrace, e	etc.): <u>Hillslo</u>	рре	Local relief	(concave, conve	k, none): <u>Conve</u>	x	Slope	%: 40
Subregion (LRR	or MLRA):	LRR R	Lat	42.406192	Long:	-73.818558		Datum:	NAD83
Soil Map Unit Na	ime: <u>HvB,</u>	HvC, HvE - H	ludson and Ve	ergennes soil		NWI classi	fication:		
Are climatic / hyd	drologic con	ditions on the	site typical fo	r this time of year?	Yes X	No	(If no, ex	plain in Remarks	.)
Are Vegetation	, Soil	, or H	ydrology	significantly disturbed?	Are "Norm	al Circumstance	es" preser	nt? Yes X	No
Are Vegetation	, Soil	, or H	ydrology	naturally problematic?	(If needed	, explain any an	swers in F	Remarks.)	
SUMMARY C		NGS – Atta	ich site ma	p showing samplin	g point locati	ons, transe	cts, imp	ortant featur	es, etc.

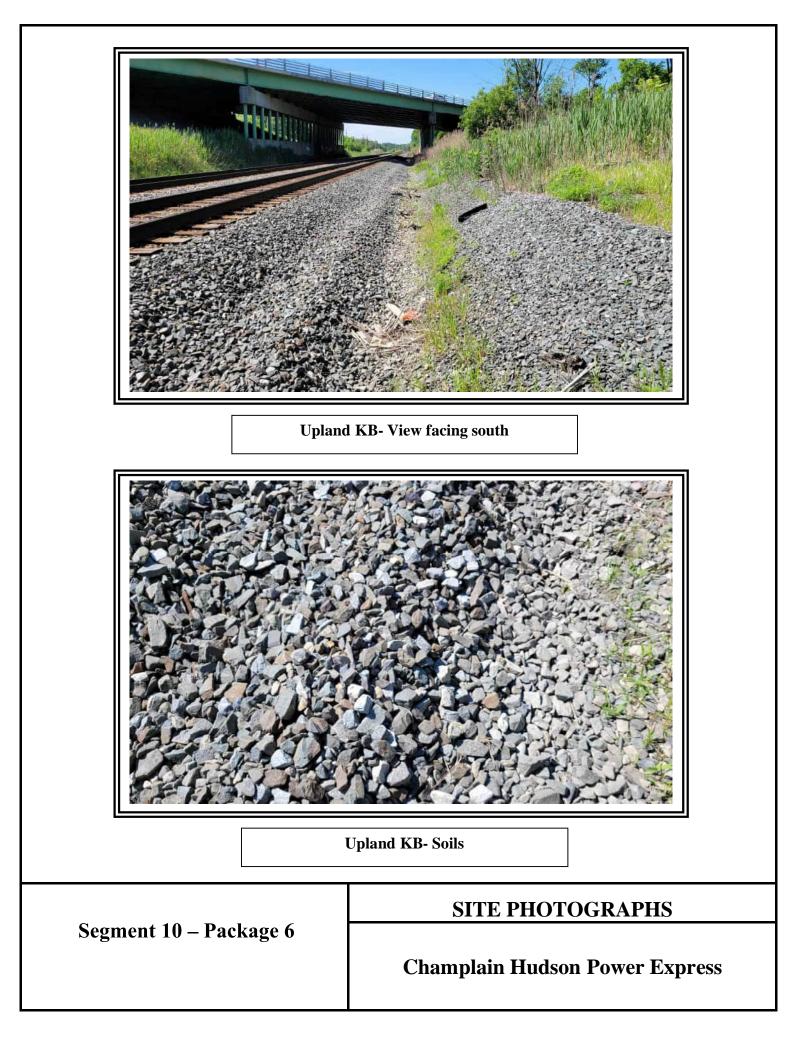
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu Railroad embnkment.	ures here or in a :	separate report.)	

Wetland Hydrology Indicators:	Secondary Indicators (min	imum of two required)				
Primary Indicators (minimum of one is requ	Surface Soil Cracks (B6)					
Surface Water (A1)	Drainage Patterns (B1	Drainage Patterns (B10)				
High Water Table (A2)	Moss Trim Lines (B16)				
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Ta	ble (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	1		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	oots (C3)	Saturation Visible on A	Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed P	lants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position	(D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)		Microtopographic Reli	ef (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):	Wetlar	nd Hydrology Present?	Yes No X		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	ections), if	available:			
Remarks:						

Sampling Point: KB Upl

Trop Stratum (Dict size: 20)	Absolute	Dominant	Indicator Status	Dominance Test warksheet
Tree Stratum (Plot size: <u>30</u>)	% 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)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species $0 \times 1 = 0$
1				FACW species $0 x 2 = 0$
				FAC species $25 \times 3 = 75$
3				FACU species 23 x 4 = 92
4				UPL species x 5 =
5				Column Totals: 48 (A) 167 (B)
6				Prevalence Index = B/A =3.48
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Setaria pumila	25	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Ambrosia artemisiifolia	15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Asclepias purpurascens	8	No	FACU	data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
5				
				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	48	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				We duvines All words vince greater than 2.28 ft in
1				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
2				Hydrophytic
				Vegetation Present? Yes No X
4		-Total Cover		
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Profile Descr	ription: (Describe	to the de	pth needed to doc	ument t	he indica	tor or co	onfirm the absence of i	ndicators.)	
Depth	Matrix			x Featu					
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	Rema	arks
					·				
					·				
					·				
1 T							² l a satismu D l =	Dese Lining M-M	1 - 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Hydric Soil Ir			/I=Reduced Matrix, N	/IS-IVIAS	skeu Sand	i Grains.		Pore Lining, M=N Problematic Hyd	
-			Debarelue Dela					-	
Histosol (Polyvalue Belo		ice (50) (i	LKK K,		: (A10) (LRR K, L rio Bodov (A16) (I	
	pedon (A2)		MLRA 149B	,				rie Redox (A16) (I w Poet er Poet (S	
Black His	i Sulfide (A4)		Thin Dark Surf					y Peat or Peat (S	
			High Chroma S					Below Surface (S8 Surface (S9) (L BE	
	Layers (A5)	(111)	Loamy Mucky			τη, L)		Surface (S9) (LRF	
	Below Dark Surface k Surface (A12)	(ATT)	Loamy Gleyed		(Г2)				2) (LRR K, L, R)
	ucky Mineral (S1)		Depleted Matri Redox Dark St		=6)				⁻ 19) (MLRA 149B) 1 44A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark					t Material (F21)	144A, 145, 149D)
Sandy Gr Sandy Re			Redox Depres					ow Dark Surface (E22)
	Matrix (S6)		Marl (F10) (LR	•	0)			lain in Remarks)	1 22)
Dark Surf	()			ις κ, μ)					
Dark Sur	ace (37)								
³ Indicators of	hydrophytic ycantot	ion and y	otland bydralagy m	ict ho n	rocont ur	loce diet	urbod or problematic		
	ayer (if observed):		vetiand hydrology m	usi ne h	resent, ur		urbed or problematic.		
Type:	ayer (il observed).								
-									
Depth (in	ches):						Hydric Soil Present?	PY Yes	NoX
Remarks:									
							2.0 to include the NRCS	Field Indicators of	of Hydric Soils,
	2015 Errata. (http://w of railroad ballast.	/ww.nrcs	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs142	2p2_051293.docx)		
Solis consist o	or railroad ballast.								



Project/Site: CHPE - Hawley Road - MP 208.2, G-HW-C	City/County: New Baltimore/Greene	Sampling Date: <u>8/10/2023</u>
Applicant/Owner: CHPE	State	: <u>NY</u> Sampling Point: <u>HW-C-Wet</u>
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: New Baltimore	e
Landform (hillside, terrace, etc.): Lake Plains	ocal relief (concave, convex, none): <u>Concav</u>	ve Slope (%):0
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 24' 25.40"	Long: <u>73° 49' 08.96"</u>	Datum:
Soil Map Unit Name: Kingsbury	NWI cla	assification: PFO
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes X No (If no, exp	plain in Remarks.)
Are Vegetation, Soil, or Hydrology significantl	y disturbed? Are "Normal Circumstances	s" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any ans	wers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, transed	cts, important features, etc.

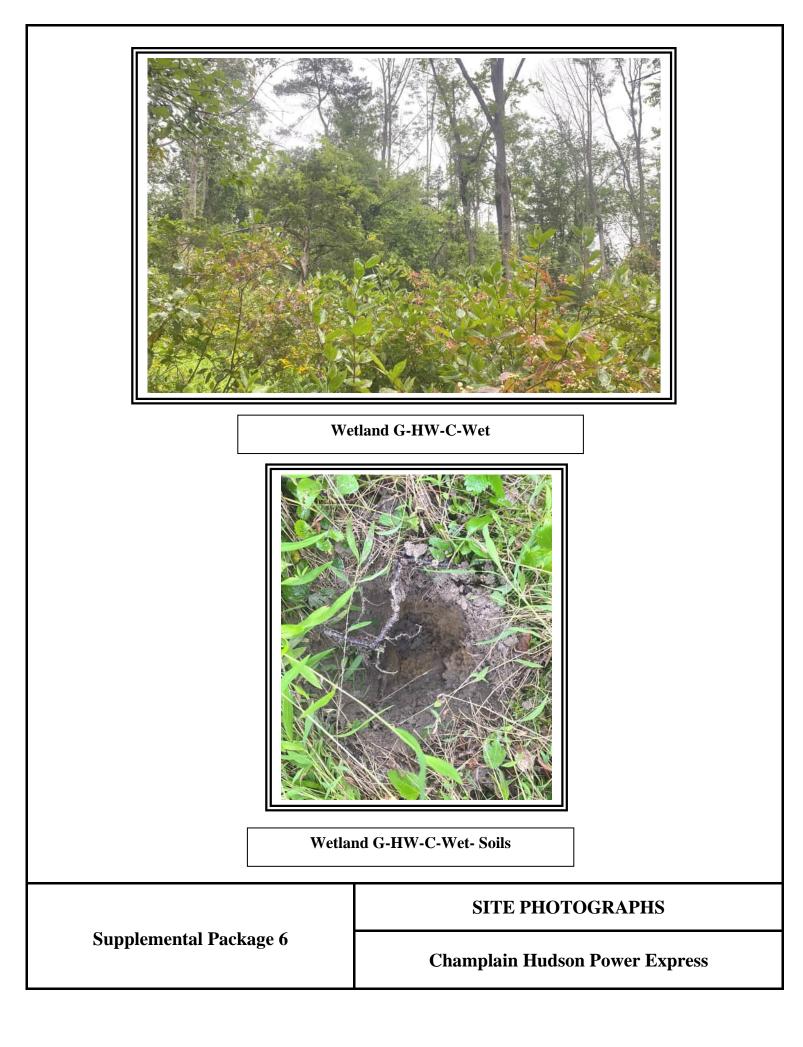
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X N	No No No	Is the Sampled Area within a Wetland? If yes, optional Wetland Site ID:	Yes_	<u>x</u>	No
Remarks: (Explain alternative proced	ures here or in a sep	parate report.)				

Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) X Water-Stained Leaves (B9) X Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) X Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5)
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) X Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5)
X Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) X FAC-Neutral Test (D5)
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) X FAC-Neutral Test (D5) Test (D5)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5)
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5) Field Observations: Image: Concave Surface (B8) Image: Concave Surface (B8)
Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5) Field Observations: Image: Concave Surface (B8)
Field Observations:
Outford Michael Descent O. Ver. Ne. V. Donth (inches):
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, previous inspections), if available:
Remarks:

Sampling Point: HW-C-Wet

Trac Stratum (Dist size: 20)	Absolute	Dominant	Indicator	Deminence Test werkeheet
Tree Stratum (Plot size: <u>30'</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer rubrum		Yes	FAC	Number of Dominant Species
2. Fraxinus pennsylvanica	20	Yes	FACW	That Are OBL, FACW, or FAC: 9 (A)
3. <u>Ulmus americana</u>	20	Yes	FACW	Total Number of Dominant
4				Species Across All Strata: 9 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1. Rhamnus cathartica	10	Yes	FAC	FACW species x 2 =
2. Cornus racemosa	25	Yes	FAC	FAC species x 3 =
3. Alnus incana	10	Yes	FACW	FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A)(B)
6				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	30	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Impatiens capensis	5	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Geum rivale	10	No	FAC	data in Remarks or on a separate sheet)
4. Persicaria arifolia			OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
0				
0				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
9 10.				diameter at breast height (DDF), 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		-Tatal Causer		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')			540	Woody vines – All woody vines greater than 3.28 ft in
1. Toxicodendron radicans	20	Yes	FAC	height.
2. Parthenocissus quinquefolia			FACU	Hydrophytic
3				Vegetation
4				Present? Yes X No
	20	=Total Cover		I
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix		Redc	x Feature						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-10	10YR 4/2	95	7.5YR 4/6	5	_C	M	Loamy/Clayey	Prominent redox concentrations		
10-14	10YR 4/2	90	10YR 4/6	10	_C_	M	Loamy/Clayey	Prominent redox concentrations		
							<u> </u>			
¹ Type: C=	=Concentration, D=De	pletion, R	M=Reduced Matrix,	CS=Cove	red or Co	ated Sar	nd Grains. ² Loo	cation: PL=Pore Lining, M=Matrix.		
Hydric So	oil Indicators:	, 1 , , ,					Indicators fo	r Problematic Hydric Soils ³ :		
Histor	sol (A1)		Polyvalue Below	w Surface	e (S8) (LF	RR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)		
Histic	Epipedon (A2)		MLRA 149B))			Coast Pr	Coast Prairie Redox (A16) (LRR K, L, R)		
	Histic (A3)		Thin Dark Surfa							
	ogen Sulfide (A4)		High Chroma S				Polyvalue Below Surface (S8) (LRR K, L)			
	fied Layers (A5)		Loamy Mucky M			K, L)		k Surface (S9) (LRR K, L)		
· · · ·	eted Below Dark Surfa	ce (A11)	Loamy Gleyed		2)			ganese Masses (F12) (LRR K, L, R)		
	Dark Surface (A12)		X Depleted Matrix	• •				t Floodplain Soils (F19) (MLRA 149B)		
	y Mucky Mineral (S1)		Redox Dark Su	•	,			bodic (TA6) (MLRA 144A, 145, 149B)		
	y Gleyed Matrix (S4)		Depleted Dark	`	,			ent Material (F21)		
	y Redox (S5)		Redox Depress	()				allow Dark Surface (TF12)		
	oed Matrix (S6)		Marl (F10) (LRI	R K, L)			Other (E:	xplain in Remarks)		
	Surface (S7)									
³ Indicators	s of hydrophytic veget	ation and	wetland hydrology m	ust be pre	esent, un	ess distu	irbed or problematic).		
Restrictiv	ve Layer (if observed):								
Type:										
Depth (i	inches):						Hydric Soil Pre	esent? Yes <u>X</u> No		
Remarks:										
	form is revised from N 0 March 2013 Errata.							CS Field Indicators of Hydric Soils ocx)		



Project/Site: CHPE - Hawley Road - MP 208.2, G-HW-C	City/County: New Baltimore/Greene	Sampling Date: <u>8/10/2023</u>
Applicant/Owner: CHPE	State:	NY Sampling Point: HW-C-UP
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: New Baltimore	
Landform (hillside, terrace, etc.): Lake Plains	Local relief (concave, convex, none): Concave	Slope (%): 0
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 24' 25	5.40" Long: <u>73° 49' 08.96</u> "	Datum:
Soil Map Unit Name: Kingsbury	NWI classi	ification: None
Are climatic / hydrologic conditions on the site typical for this time	e of year? Yes X No (If no, explain	n in Remarks.)
Are Vegetation, Soil, or Hydrology signifi	ficantly disturbed? Are "Normal Circumstances" pr	resent? Yes X No
Are Vegetation, Soil, or Hydrology natura	ally problematic? (If needed, explain any answer	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ing sampling point locations, transects	, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area
Hydric Soil Present?	Yes	No X	within a Wetland? Yes <u>No X</u>
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative proced	lures here or ir	a separate report.)	

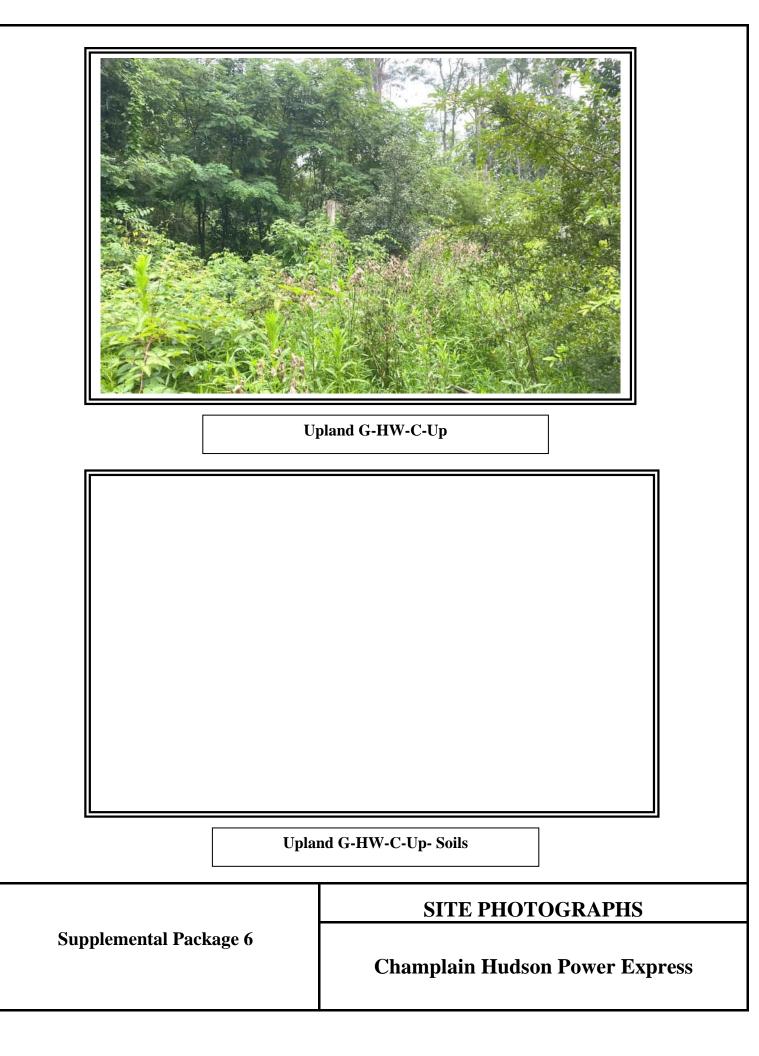
Wetland Hydrology Indicators:	S	Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil Cracks (B6)		
Surface Water (A1)Water-Stained Leaves (B9)	_	Drainage Patterns (B10)		
High Water Table (A2) Aquatic Fauna (B13)	_	Moss Trim Lines (B16)		
Saturation (A3) Marl Deposits (B15)	_	Dry-Season Water Table (C2)		
Water Marks (B1) Hydrogen Sulfide Odor (C1)	_	Crayfish Burrows (C8)		
Sediment Deposits (B2) Oxidized Rhizospheres on Liv	ving Roots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3) Presence of Reduced Iron (C	4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4) Recent Iron Reduction in Tille	ed Soils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5) Thin Muck Surface (C7)	_	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)	_	FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes <u>No X</u> Depth (inches):				
Water Table Present? Yes No X Depth (inches):				
Saturation Present? Yes No X Depth (inches):	Wetland Hyd	rology Present? Yes No _X		
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous ins	spections), if availa	able:		
Remarks:				

Sampling Point: HW-C-Up

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Robinia pseudoacacia	20	Yes	FACU	Dominance rest worksheet.		
2. Acer saccharum	15	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:4(A)		
3. Ulmus americana	10	Yes	FACW			
				Total Number of Dominant Species Across All Strata: 10 (B)		
				Species Across All Strata: 10 (B)		
				Percent of Dominant Species		
7				That Are OBL, FACW, or FAC: 40.0% (A/B)		
7		=Total Cover		Prevalence Index worksheet:		
	45			Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15')	10	N e e	540	OBL species x 1 =		
1. Rhamnus cathartica		Yes	FAC	FACW species x 2 =		
2. <u>Cornus amomum</u>	10	Yes	FACW	FAC species x 3 =		
3				FACU species x 4 =		
4				UPL species x 5 =		
5				Column Totals: (A)(B)		
6				Prevalence Index = B/A =		
7				Hydrophytic Vegetation Indicators:		
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%		
1. Cirsium arvense	10	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹		
2. Solidago canadensis	15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting		
3				data in Remarks or on a separate sheet)		
4				Problematic Hydrophytic Vegetation ¹ (Explain)		
5				¹ Indicators of hydric soil and wetland hydrology must		
6				be present, unless disturbed or problematic.		
7				Definitions of Vegetation Strata:		
8				Tree – Woody plants 3 in. (7.6 cm) or more in		
9				diameter at breast height (DBH), regardless of height.		
10				Sapling/shrub – Woody plants less than 3 in. DBH		
11				and greater than or equal to 3.28 ft (1 m) tall.		
12				Herb – All herbaceous (non-woody) plants, regardless		
	25	=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. Toxicodendron radicans	5	Yes	FAC	height.		
2. Parthenocissus quinquefolia	5	Yes	FACU			
3. Rubus allegheniensis	5	Yes	FACU	Hydrophytic Vegetation		
4.				Present? Yes <u>No X</u>		
	15	=Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)						

S	Ο	I	L
J	v		-

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redox	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/2	100					Loamy/Clayey	
10-14	10YR 4/3	95	10YR 4/6	5	D	M	Loamy/Clayey	
¹ Type: C=	=Concentration, D=De	pletion, R	M=Reduced Matrix, C	S=Cove	red or Co	ated Sar	nd Grains. ² Locati	on: PL=Pore Lining, M=Matrix.
Hydric So	oil Indicators:						Indicators for P	roblematic Hydric Soils ³ :
Histor	sol (A1)		Polyvalue Below	/ Surface	e (S8) (LF	RR,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic	Epipedon (A2)		MLRA 149B)				Coast Prairi	e Redox (A16) (LRR K, L, R)
Black	Histic (A3)		Thin Dark Surfa	ce (S9) (LRR R, M	ILRA 14	9B) 5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)
Hydro	ogen Sulfide (A4)		High Chroma Sa	ands (S1	1) (LRR I	<, L)	Polyvalue B	elow Surface (S8) (LRR K, L)
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)							urface (S9) (LRR K, L)	
							nese Masses (F12) (LRR K, L, R)	
						oodplain Soils (F19) (MLRA 149B)		
							ic (TA6) (MLRA 144A, 145, 149B)	
	_ Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7)						Material (F21)	
	y Redox (S5)		Redox Depressi	• • •				w Dark Surface (TF12)
	bed Matrix (S6)		Marl (F10) (LRR	(K, L)			Other (Expla	ain in Remarks)
Dark	Surface (S7)							
	s of hydrophytic veget		wetland hydrology mu	ust be pro	esent, unl	ess distu	irbed or problematic.	
	/e Layer (if observed							
	inches):						Hydric Soil Prese	nt? Yes No X
Remarks:							Thyunc Son Prese	
Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to reflect the NRCS Field Indicators of Hydric Soils								
							cs142p2_051293.docx	



Project/Site: CHPE - Hawley Road - MP 208.2, G-HW-A	City/County: New Baltimore/	Greene	Sampling Date:	8/10/2023
Applicant/Owner: CHPE		State:	NY Sampling	Point: HW-A-Wet
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range:	New Baltimore		
Landform (hillside, terrace, etc.): Lake Plains	ocal relief (concave, convex, r	none): <u>Concave</u>	Slc	ope (%): <u>0</u>
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 24' 25.00"	Long: 73	3° 49' 20.92"	Datu	m:
Soil Map Unit Name: Kingsbury		NWI classifi	cation: PSS	
Are climatic / hydrologic conditions on the site typical for this time of ye	ar? Yes <u>X</u> No	(If no, explain i	in Remarks.)	
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Normal (Circumstances" pre	esent? Yes	X No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, ex	xplain any answers	in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing	sampling point locatio	ons, transects,	important fea	atures, etc.

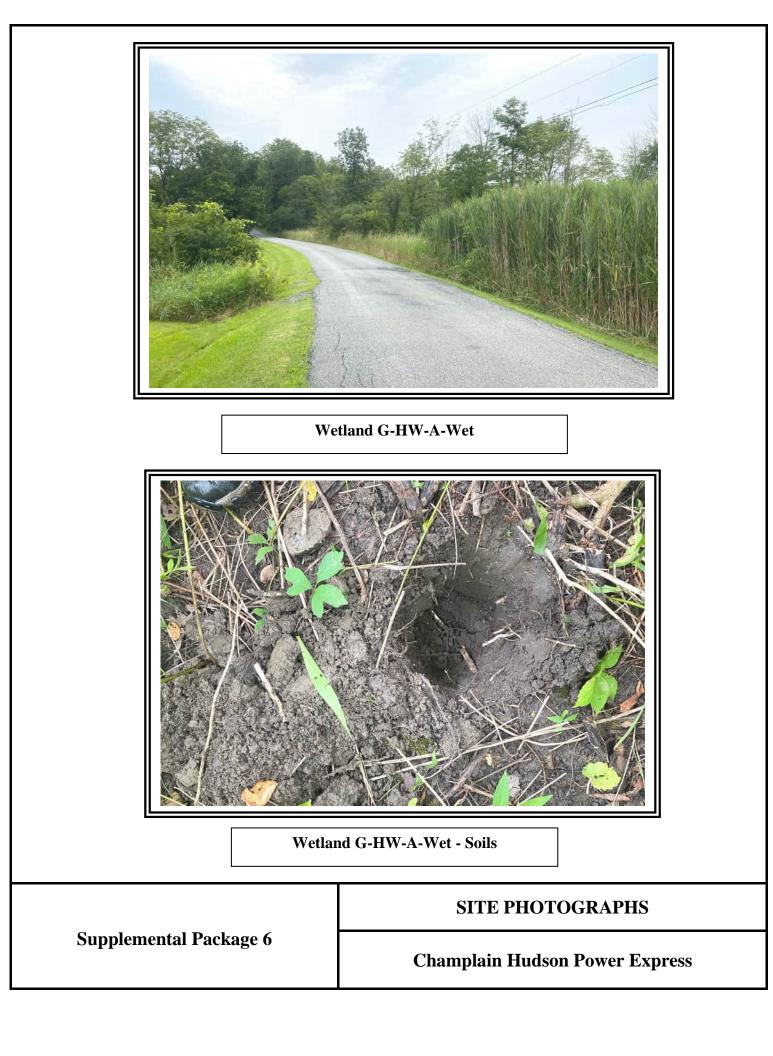
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative proced	dures here or in a separate report	.)

Sampling Point: HW-A-Wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	10	Yes	FACW	
2. Acer negundo	10	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 9 (A)
3				
				Total Number of Dominant Species Across All Strata: 9 (B)
_				
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
1.	20	Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
	25	Yes	FAC	FACW species x 2 =
Cornus racemosa	<u></u> 15	Yes	FAC	FAC species x 3 =
3. Acer negundo	15	Yes	FAC	
	10			
4				UPL species X 5 = (A)
5		·		Column Totals: (A) (B)
6.		·		Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	55	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	5	No	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Phragmites australis	20	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Solidago altissima	10	Yes	FAC	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7		. <u> </u>		Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	35	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15')				Woody vines – All woody vines greater than 3.28 ft in
1. Toxicodendron radicans	10	Yes	FAC	height.
2. Vitis riparia	5	Yes	FAC	
3.				Hydrophytic Vegetation
4.				Present? Yes X No
	15	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL	
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Profile De	escription: (Describe	e to the d	epth needed to doci	ument th	e indicat	or or co	nfirm the absence	e of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-14	7.5YR 2.5/1	90	10YR 5/2	10	С	М	Loamy/Clayey	Distinct redox concentrations
			·······					
								<u> </u>
1								
	Concentration, D=De	pletion, R	M=Reduced Matrix, C	CS=Cove	red or Co	ated San		ocation: PL=Pore Lining, M=Matrix.
-	bil Indicators:		Debaseles Deba	0.5				or Problematic Hydric Soils ³ :
	sol (A1)		Polyvalue Below		e (S8) (LF	KR R,		uck (A10) (LRR K, L, MLRA 149B)
	Epipedon (A2)		MLRA 149B) Thin Dark Surfa					Prairie Redox (A16) (LRR K, L, R)
	Histic (A3) ogen Sulfide (A4)		High Chroma S					ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L)
	fied Layers (A5)		Loamy Mucky N					Irk Surface (S9) (LRR K, L)
	eted Below Dark Surfa	ce (Δ11)	Loamy Gleyed I			(, ∟)		nganese Masses (F12) (LRR K, L, R)
	Dark Surface (A12)		Depleted Matrix		-)			nt Floodplain Soils (F19) (MLRA 149B)
	y Mucky Mineral (S1)		X Redox Dark Su	, ,)			Spodic (TA6) (MLRA 144A, 145, 149B)
	y Gleyed Matrix (S4)		Depleted Dark S	-	-			rent Material (F21)
·	y Redox (S5)		Redox Depress					allow Dark Surface (TF12)
Stripp	ed Matrix (S6)		Marl (F10) (LRF	R K, L)			Other (E	Explain in Remarks)
Dark	Surface (S7)							
³ Indicators	s of hydrophytic veget	ation and	wetland hydrology m	ust be pre	esent, un	ess distu	rbed or problemati	ic
Restrictiv	e Layer (if observed):						
Type:								
Depth (i	nches):						Hydric Soil Pi	resent? Yes <u>X</u> No
Remarks:								
This data	form is revised from N	lorthcentr	al and Northeast Reg	ional Sup	plement	Version 2	2.0 to reflect the NF	RCS Field Indicators of Hydric Soils
version 7.	0 March 2013 Errata.	(http://ww	w.nrcs.usda.gov/Inter	rnet/FSE	_DOCUM	ENTS/nr	cs142p2_051293.0	docx)



Project/Site: CHPE - Hawley Road - MP 208.2, G-HW-A	City/County: New Baltimore/Greene	Sampling Date: 8/10/2023
Applicant/Owner: CHPE	State:	NY Sampling Point: HW-A-Up
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: New Baltimore	
Landform (hillside, terrace, etc.): Lake Plains	Local relief (concave, convex, none): Concave	Slope (%): 0
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 24' 25.	5.00" Long: <u>73° 49' 20.92"</u>	Datum:
Soil Map Unit Name: Kingsbury	NWI classi	ification: None
Are climatic / hydrologic conditions on the site typical for this time	of year? Yes X No (If no, explain	n in Remarks.)
Are Vegetation, Soil, or Hydrologysignified	icantly disturbed? Are "Normal Circumstances" p	resent? Yes X No
Are Vegetation, Soil, or Hydrology natura	ally problematic? (If needed, explain any answer	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site map showi	ing sampling point locations, transects	, important features, etc.

Hydrophytic Vegetation Present?	Yes	No <u>X</u>	Is the Sampled Area				
Hydric Soil Present?	Yes	No <u>X</u>	within a Wetland?	Yes	No <u>X</u>		
Wetland Hydrology Present?	Yes	No <u>X</u>	If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.)							

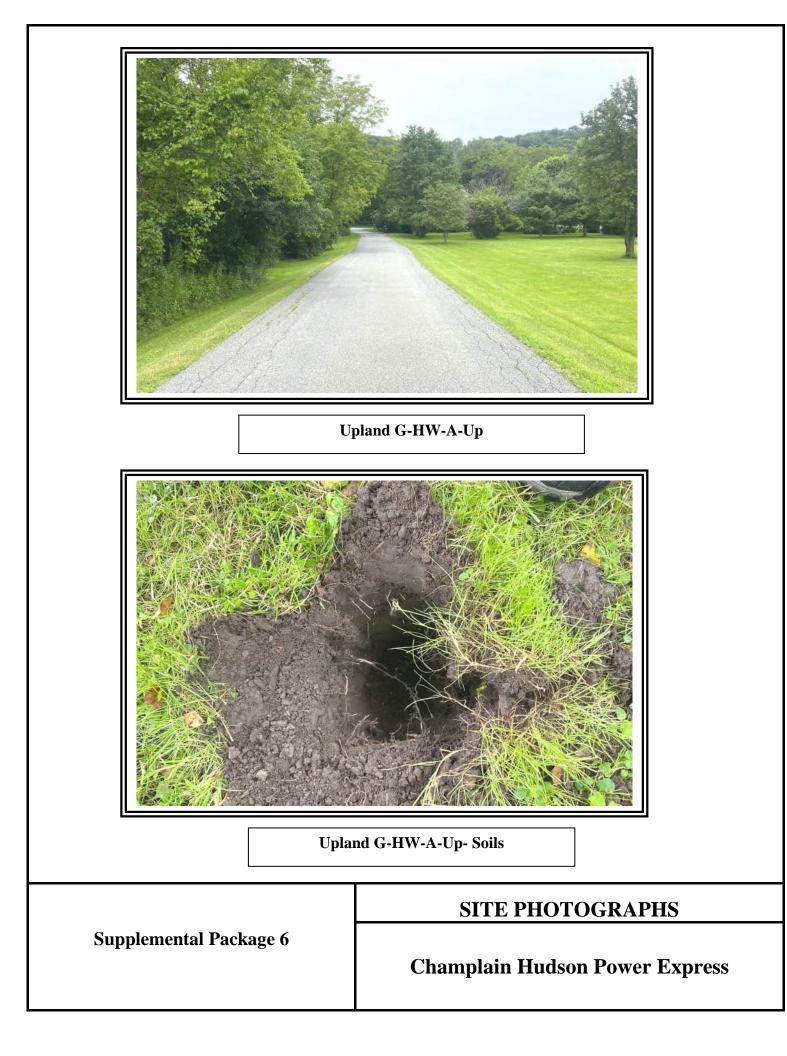
Wetland Hydrology Indicators:	S	econdary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil Cracks (B6)		
Surface Water (A1) Water-Stained Leaves (B9)		Drainage Patterns (B10)		
High Water Table (A2) Aquatic Fauna (B13)		Moss Trim Lines (B16)		
Saturation (A3) Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1) Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2) Oxidized Rhizospheres on Livi	ng 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 Tillec	l Soils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5) Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes No X Depth (inches):				
Water Table Present? Yes No X Depth (inches):				
Saturation Present? Yes No X Depth (inches):	Wetland Hydr	ology Present? Yes <u>No X</u>		
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous insp	pections), if availa	ble:		
Remarks:				

Sampling Point: HW-A-Up

1 Acer negundo 10 Yes FAC 2. Juglens nigre 15 Yes FACU 3.	Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
2. Juglans nigra 15 Yes FACU Number of Dominant Species 3.			<u> </u>		
3.					
4.	2			1400	
5.					
6.				<u> </u>	
7.					
25 =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15')) OBL species x 1 =	7				
Sapling/Shrub Stratum (Plot size: 15') 1. Fraxinus americana 2. Cornus amomum 3. 5 3. - 4. - 5. Yes 6. - 7. - 10 =Total Cover 11. Provalence Index = B/A =	1		-Total Cover		
1. Fraxinus americana 5 Yes FACU FACW species x 2 =	Sapling/Shrub Stratum (Diat size: 15')	25			
2. Corrus amonum 5 Yes FACW FAC species x 3 =		E	Vaa	FACU	
3.					
4.		5	Yes	FACW	
5.	3				
6.	4				
7.	5				Column Totals: (A)(B)
10 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5') 5') 0 1. Poa pratensis 80 Yes FACU 3 - Prevalence Index is ≤3.01 2. Rudbeckia hirta 5 3. Lysimachia nummularia 5 4.	6				Prevalence Index = B/A =
Herb Stratum (Plot size: 5') 2 - Dominance Test is >50% 1. Poa pratensis 80 Yes FACU 3 - Prevalence Index is ≤3.01 2. Rudbeckia hirta 5 No FACU 4 - Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) 3. Lysimachia nummularia 5 No FACW 4 - Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) 4.	7				Hydrophytic Vegetation Indicators:
1. Poa pratensis 80 Yes FACU 3 - Prevalence Index is ≤3.01 2. Rudbeckia hirta 5 No FACU 4 - Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) 3. Lysimachia nummularia 5 No FACW data in Remarks or on a separate sheet) 4.		10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
2. Rudbeckia hirta 5 No FACU 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 3. Lysimachia nummularia 5 No FACW data in Remarks or on a separate sheet) 4.	Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
3. Lysimachia nummularia 5 No FACW data in Remarks or on a separate sheet) 4.	1. Poa pratensis	80	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
1. 1. 1. 1. Problematic Hydrophytic Vegetation ¹ (Explain) 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	2. Rudbeckia hirta	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
5.	3. Lysimachia nummularia	5	No	FACW	data in Remarks or on a separate sheet)
6.	4				Problematic Hydrophytic Vegetation ¹ (Explain)
6.	5				¹ Indicators of hydric soil and wotland hydrology must
7.	G				
8.	_				Definitions of Vegetation Strata:
9.	8				Tree – Woody plants 3 in (7.6 cm) or more in
Sapling/shrub – Woody plants less than 3 in. DBH	9				
	10				Sanling/shrub – Woody plants less than 3 in DBH
i i and greater than or equal to 3.28 ft (1 m) tall.	11				and greater than or equal to 3.28 ft (1 m) tall.
12 Herb – All herbaceous (non-woody) plants, regardless					Harb All horbaccous (non woody) plants, regardless
90 =Total Cover of size, and woody plants less than 3.28 ft tall.		90	=Total Cover		
Woody Vine Stratum (Plot size: 15')	Woody Vine Stratum (Plot size: 15')				
Woody vine offattam (i for size:) 1. Toxicodendron radicans 5 Yes FAC height.		5	Yes	FAC	
2. Parthenocissus quinquefolia 5 Yes FACU	2. Parthenocissus guinguefolia	5	Yes	FACU	
3 Hydrophytic	2				
4. Vegetation Present? Yes No X					
10 =Total Cover	···	10	=Total Cover		
Remarks: (Include photo numbers here or on a separate sheet.)	Remarks: (Include photo numbers here or on a sepa				1
	,				

SOIL	
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Profile De	escription: (Describe	e to the d	epth needed to docu	ument th	ne indicat	or or con	firm the absence of indi	cators.)
Depth	Matrix		Redo	x Featur				
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	10YR 3/2	100					Loamy/Clayey	
	1011(0/2							
	······							
	-Concentration, D=De	nletion R	M=Reduced Matrix (ered or Co	ated San	d Grains ² Location:	PL=Pore Lining, M=Matrix.
	oil Indicators:			00-0010				ematic Hydric Soils ³ :
-	sol (A1)		Polyvalue Belov	v Surface	- (S8) (I E) (LRR K, L, MLRA 149B)
	Epipedon (A2)		MLRA 149B)		e (30) (Lh	ι η η ,		edox (A16) (LRR K, L, R)
	Histic (A3)		Thin Dark Surfa					at or Peat (S3) (LRR K, L, R)
	ogen Sulfide (A4)		High Chroma Sa					/ Surface (S8) (LRR K, L)
	fied Layers (A5)	()	Loamy Mucky M			K, L)		ce (S9) (LRR K, L)
	ted Below Dark Surfa	ice (A11)	Loamy Gleyed I	-	2)			Masses (F12) (LRR K, L, R)
	Dark Surface (A12)		Depleted Matrix					plain Soils (F19) (MLRA 149B
·	y Mucky Mineral (S1)		Redox Dark Sur	•	,			A6) (MLRA 144A, 145, 149B)
	y Gleyed Matrix (S4)		Depleted Dark S		-		Red Parent Mat	· · ·
	y Redox (S5)		Redox Depress	```)			ark Surface (TF12)
Stripp	ed Matrix (S6)		Marl (F10) (LRF	R K, L)			Other (Explain i	n Remarks)
Dark	Surface (S7)							
³ Indicators	s of hydrophytic veget	ation and	wetland hydrology mu	ust be pr	esent, un	ess distu	rbed or problematic.	
Restrictiv	e Layer (if observed	l):						
Type:								
	nches):						Hydric Soil Present?	Yes No _X
	/							
Remarks:		I a utila a a vatura	l and Namble and Davi			Vensien O		d Indiantana of Lludvin Caila
							.0 to reflect the NRCS Fie cs142p2 051293.docx)	d Indicators of Hydric Soils
		(1111).// ₩₩	w.mcs.usua.gov/mter		_DOCON		.5142p2_001290.000x)	



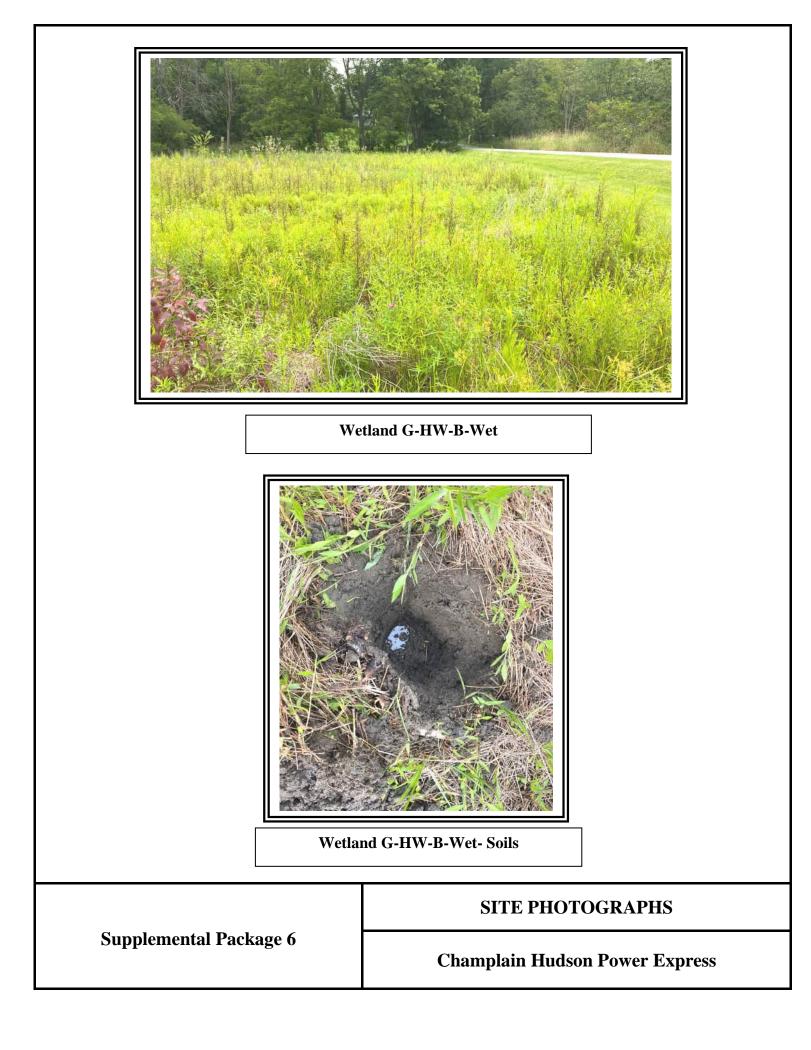
Project/Site: CHPE - Hawley Road - MP 208.2, G-HW-B	City/County: New Baltimore/Greene	Sampling Date: <u>8/10/2023</u>
Applicant/Owner: CHPE	St	ate: <u>NY</u> Sampling Point: _{HW-B-Wet}
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: New Baltin	iore
Landform (hillside, terrace, etc.): Lake Plains	ocal relief (concave, convex, none): <u>Con</u>	cave Slope (%):0
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 24' 25.12"	Long: <u>73° 49' 19.05</u>	
Soil Map Unit Name: Kingsbury	NW	classification: <u>PEM</u>
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes X No (If no,	explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantl	y disturbed? Are "Normal Circumstan	ces" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any a	answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, trans	sects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative proced	dures here or in a separate report	.)

Sampling Point: HW-B-Wet

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: <u>30'</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC:3(A)
3				Total Number of Dominant
4				Species Across All Strata:3(B)
5		. <u> </u>		Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1				FACW species x 2 =
2. Cornus racemosa		Yes	FAC	FAC species x 3 =
3.				FACU species x 4 =
· · · · · · · · · · · · · · · · · · ·				UPL species x 5 =
_				Column Totals: (A) (B)
				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. Onoclea sensibilis	5	No	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Carex stricta	5	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Cyperus esculentus	15	Yes	FAC	data in Remarks or on a separate sheet)
4. Lythrum salicaria	30	Yes	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Impatiens capensis	10	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
6. Symphyotrichum racemosum	10	No	FACW	be present, unless disturbed or problematic.
7. Epilobium coloratum	10	No	OBL	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.				Continue Meady plants loss than 2 in DPH
11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	85	=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.
				neight.
2				Hydrophytic
3				Vegetation
4			·	Present? Yes X No
		=Total Cover		l
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile De	scription: (Describe	e to the d	epth needed to docu	ument th	e indicat	or or co	nfirm the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/1	100					Mucky Loam/Clay	
4-14	10YR 3/2	95	10YR 4/6	5	_C_	M	Mucky Loam/Clay	Prominent redox concentrations
	·							
1Turpe: C-	Concentration D-Da		M=Reduced Matrix, C					cation: PL=Pore Lining, M=Matrix.
	bil Indicators:	pietion, r		J3-00VE				or Problematic Hydric Soils ³ :
	sol (A1)		Polyvalue Belov	v Surface	e (S8) (L F	RR.		ick (A10) (LRR K, L, MLRA 149B)
	Epipedon (A2)		MLRA 149B)			,		rairie Redox (A16) (LRR K, L, R)
	Histic (A3)		Thin Dark Surfa		LRR R. N	ILRA 14		icky Peat or Peat (S3) (LRR K, L, R)
	ogen Sulfide (A4)		High Chroma Sa					e Below Surface (S8) (LRR K, L)
	fied Layers (A5)		Loamy Mucky M					k Surface (S9) (LRR K, L)
	ted Below Dark Surfa	ce (A11)	Loamy Gleyed N	-		-, _,		nganese Masses (F12) (LRR K, L, R)
	Dark Surface (A12)	(,	Depleted Matrix		_,			nt Floodplain Soils (F19) (MLRA 149B)
	/ Mucky Mineral (S1)		X Redox Dark Sur)			podic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark S	`	,			ent Material (F21)
	/ Redox (S5)		Redox Depressi	```	,			allow Dark Surface (TF12)
·	ed Matrix (S6)		Marl (F10) (LRF	()				xplain in Remarks)
	Surface (S7)			,,				· · · · · · · · · · · · · · · · · · ·
	(),							
³ Indicators	s of hydrophytic veget	ation and	wetland hydrology mu	ust be pr	esent, un	ess distu	rbed or problematio	2
Restrictiv	e Layer (if observed):						
Type:								
Depth (i	nches):						Hydric Soil Pre	esent? Yes X No
Remarks:								
								CS Field Indicators of Hydric Soils
version 7.0	0 March 2013 Errata.	(http://ww	w.nrcs.usda.gov/Inter	met/FSE	_DOCUM	ENTS/nr	cs142p2_051293.d	ocx)



Project/Site: CHPE - Hawley Road - MP 208.2, G-HW-B	City/County: New Baltimore	:/Greene	Sampling Dat	e: <u>8/10/2</u>	2023
Applicant/Owner: CHPE		State:	NY Sampli	ng Point:	HW-B-Up
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range:	New Baltimore			
Landform (hillside, terrace, etc.): Lake Plains	Local relief (concave, convex,	none): Concave		Slope (%):	0
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 24' 25.12	2"Long: <u>7</u>	73° 49' 19.05"	Da	atum:	
Soil Map Unit Name: Kingsbury		NWI classi	ification: None		
Are climatic / hydrologic conditions on the site typical for this time of	f year? Yes <u>X</u> No	(If no, explair	n in Remarks.)		
Are Vegetation, Soil, or Hydrology signification	antly disturbed? Are "Normal	l Circumstances" p	resent? Ye	s <u>X</u> N	lo
Are Vegetation, Soil, or Hydrology naturally	y problematic? (If needed, e	explain any answer	rs in Remarks.)		
SUMMARY OF FINDINGS – Attach site map showin	ig sampling point locati	ons, transects	s, important f	eatures	, etc.

Hydrophytic Vegetation Present?	Yes	<u>No X</u>	Is the Sampled Area		
Hydric Soil Present?	Yes	No	within a Wetland?	Yes	No <u>X</u>
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:		
Remarks: (Explain alternative proced	lures here or in	a separate report.)		

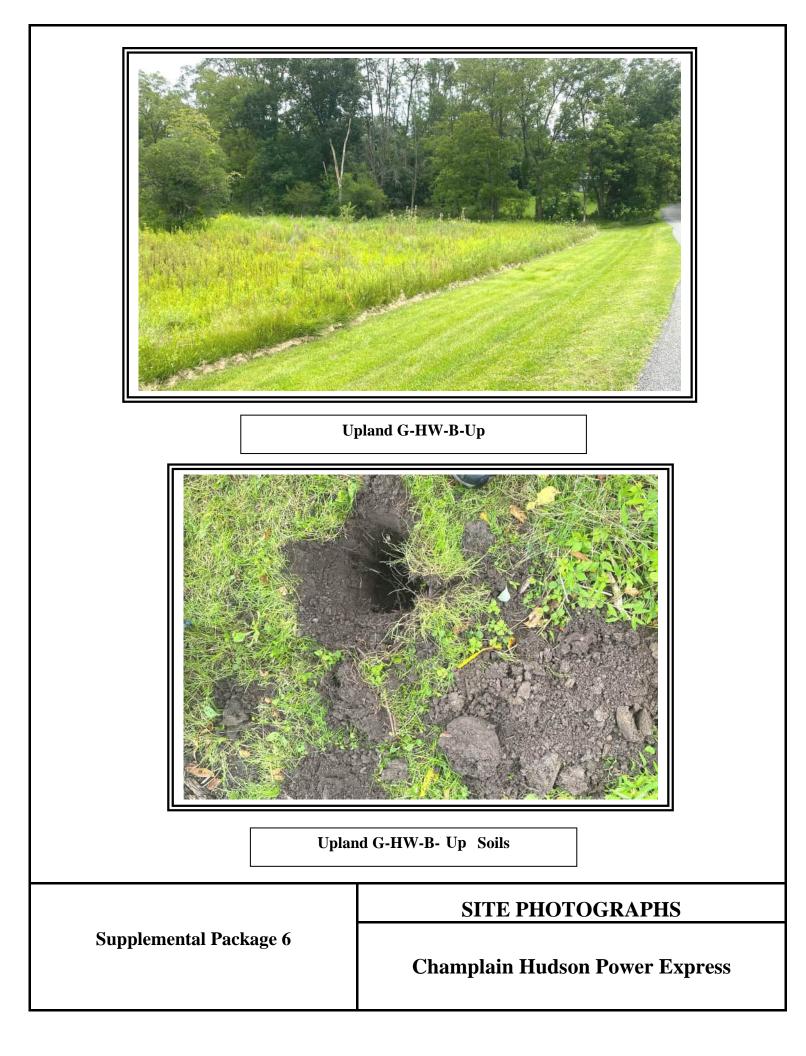
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Lea	ves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B1	3) Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15	5) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide (Ddor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizosph	eres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduc	ced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduc	tion in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface	(C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in F	emarks) 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, p	revious inspections), if available:
Remarks:	

Sampling Point: HW-B-Up

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1		<u> </u>		
2.				Number of Dominant SpeciesThat Are OBL, FACW, or FAC:0(A)
3				
4				Total Number of DominantSpecies Across All Strata:11(B)
5.				
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A)(B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Poa pratensis	85	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Plantago major	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	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.)			
Mowed lawn.				

SOIL	
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Profile De	escription: (Describe	e to the d	epth needed to docu	ument th	e indicat	or or co	nfirm the absence of indic	ators.)	
Depth	Matrix		Redox	x Feature	es				
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-16	10YR 3/2	100					Loamy/Clayey		
							<u> </u>		
1-							2		
	=Concentration, D=De	pletion, R	M=Reduced Matrix, C	S=Cove	red or Co	ated San		PL=Pore Lining, M=I	
-	oil Indicators:			o ((00) (1 -		Indicators for Probl	-	
	sol (A1)		Polyvalue Below	/ Surface	e (S8) (LF	RR,		(LRR K, L, MLRA	-
	: Epipedon (A2)		MLRA 149B)					dox (A16) (LRR K, L	-
	: Histic (A3)		Thin Dark Surfa					t or Peat (S3) (LRR	-
Hydro	ogen Sulfide (A4)		High Chroma Sa	ands (S1	1) (LRR I	(, L)	Polyvalue Below	Surface (S8) (LRR	K, L)
Strati	fied Layers (A5)		Loamy Mucky N	lineral (F	1) (LRR	K, L)	Thin Dark Surfac	e (S9) (LRR K, L)	
Deple	eted Below Dark Surfa	ce (A11)	Loamy Gleyed N	Matrix (F2	2)		Iron-Manganese	Masses (F12) (LRR	t K, L, R)
Thick	Dark Surface (A12)		Depleted Matrix	(F3)			Piedmont Flood	lain Soils (F19) (ML	RA 149B)
Sand	y Mucky Mineral (S1)		Redox Dark Sur	face (F6)		Mesic Spodic (T	A6) (MLRA 144A, 14	45, 149B)
Sand	y Gleyed Matrix (S4)		Depleted Dark S	Surface (F7)		Red Parent Mate	erial (F21)	
Sand	y Redox (S5)		Redox Depressi	ons (F8)			Very Shallow Da	rk Surface (TF12)	
Stripp	oed Matrix (S6)		Marl (F10) (LRR	R K, L)			Other (Explain in	Remarks)	
Dark	Surface (S7)								
³ Indicator	s of hydrophytic veget	ation and	wetland hydrology mu	ust be pro	esent, unl	ess distu	rbed or problematic.		
Restrictiv	/e Layer (if observed):							
Type:									
Depth (inches):						Hydric Soil Present?	Yes	No <u>X</u>
							,		
Remarks:		larthaantr	and Northcost Desi	anal Sur	nlomont	Varaian) 0 to reflect the NDCS Field	l Indiantara of Lludrid	e Seile
							2.0 to reflect the NRCS Field cs142p2_051293.docx)		50115
		(1110).//111					00112p2_001200.000x)		



Project/Site: CHPE		City/County: New Baltimore/Green	Sampling Date: 6.20.22				
Applicant/Owner: TDI		State: NY	Sampling Point: 12.9 Wet				
Investigator(s): John Greaves & Chris Ein	stein	Section, Township, Range:					
Landform (hillside, terrace, etc.): Basin	Local r	elief (concave, convex, none): <u>Convex</u>	Slope %:				
Subregion (LRR or MLRA): LRR R	Lat: <u>42.405059</u>	Long:73.818835	Datum: NAD83				
Soil Map Unit Name: VdB, VdD - Vallois-	Nassau complex	NWI classification	n: PEM1				
Are climatic / hydrologic conditions on the	site typical for this time of year?	Yes X No (If no,	explain in Remarks.)				
Are Vegetation, Soil, or Hy	drologysignificantly disturb	bed? Are "Normal Circumstances" pre-	sent? Yes X No				
Are Vegetation, Soil, or Hy	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					
Hydric Soil Present?	Yes X No	within a Wetland? Yes <u>X</u>	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.							

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is requir	Surface Soil Cracks (B6)				
Surface Water (A1)	Water-Stained Leaves (B9)	X Drainage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)			
 Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	bots (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	s (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 (B	8)	X FAC-Neutral Test (D5)			
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes X No			
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ctions), if available:			
		<i>''</i>			
Remarks:					
Remarks:		,			
Remarks:					

Sampling Point: 12.9 Wet

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size:15)				OBL species 5 x 1 = 5
1. Rhamnus cathartica	5	Yes	FAC	FACW species 75 x 2 = 150
2.				FAC species 40 x 3 = 120
3.				FACU species 5 x 4 = 20
4.				UPL species 0 x 5 = 0
5.				Column Totals: 125 (A) 295 (B)
6.				Prevalence Index = B/A = 2.36
7.				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phragmites australis	75	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Microstegium vimineum	30	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Lythrum salicaria	5	No	OBL	data in Remarks or on a separate sheet)
4. Toxicodendron radicans	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Parthenocissus quinquefolia	5	No	FACU	
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				The All Andreads a line (7.0 and) as more in
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	120	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				1

	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)	
Depth Matrix Redox Features		
(inches) Color (moist) % Color (moist) % Type ¹ Loc ² Texture	Remarks	
0-3 10YR 2/1 100 Loamy/Clayey		
3-10 10YR 4/1 90 10YR 5/3 10 c m Loamy/Clayey Distir	nct redox concentrations	
10-20 10YR 5/1 60 10YR 4/6 40 c m Loamv/Clavev Promir	nent redox concentrations	
10-20 10YR 5/1 60 10YR 4/6 40 c m Loamy/Clayey Promin	nent redox concentrations ining, M=Matrix. matic Hydric Soils ³ : (LRR K, L, MLRA 149B) ox (A16) (LRR K, L, R) or Peat (S3) (LRR K, L, R) Surface (S8) (LRR K, L) e (S9) (LRR K, L) Masses (F12) (LRR K, L, R) ain Soils (F19) (MLRA 149B) 6) (MLRA 144A, 145, 149B) ial (F21) < Surface (F22)	



Project/Site: CHPE	(City/County: <u>New Baltimore/Green</u>	Sampling Date: 6.20.22
Applicant/Owner: TDI		State: NY	Sampling Point: 12.9 Upl
Investigator(s): John Greaves & Chris Einstein		Section, Township, Range:	
Landform (hillside, terrace, etc.): Terrace	Local re	lief (concave, convex, none): <u>None</u>	Slope %:0
Subregion (LRR or MLRA): LRR R	Lat: <u>42.405075</u>	Long:73.818762	Datum: NAD83
Soil Map Unit Name: VdB, VdD - Valois-Nassa	u complex	NWI classification	
Are climatic / hydrologic conditions on the site ty	pical for this time of year?	Yes <u>X</u> No (If no,	explain in Remarks.)
Are Vegetation, Soil, or Hydrolog	ysignificantly disturbe	ed? Are "Normal Circumstances" pres	sent? Yes X No
Are Vegetation, Soil, or Hydrolog	ynaturally problemation	c? (If needed, explain any answers i	in Remarks.)
SUMMARY OF FINDINGS – Attach si	te map showing samp	ling point locations, transects, in	nportant features, etc.
Hydrophytic Vegetation Present? Ye	es X No	Is the Sampled Area	
Hydric Soil Present? Yo	es X No	within a Wetland? Yes	No X
Wetland Hydrology Present? Ye	es NoX	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here	or in a separate report.)		
Successional northern hardwoods.			

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requir	Surface Soil Cracks (B6)		
Surface Water (A1)	Drainage Patterns (B10)		
High Water Table (A2)	Moss Trim Lines (B16)		
Saturation (A3)	Dry-Season Water Table (C2)		
Water Marks (B1)	Crayfish Burrows (C8)		
Sediment Deposits (B2)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	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	nd Hydrology Present? Yes No X		
(includes capillary fringe)	No X Depth (inches):	Wella	
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			

Sampling Point: 12.9 Upl

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Rhamnus cathartica	40	Yes	FAC	
2. Robinia pseudoacacia	40	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:5(A)
3.				
4.				Total Number of DominantSpecies Across All Strata:8 (B)
5.				· /
6.		·		Percent of Dominant Species That Are OBL, FACW, or FAC: 62.5% (A/B
7.				Prevalence Index worksheet:
	80	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)			OBL species 0 x 1 = 0
1. Rhamnus cathartica	35	Yes	FAC	FACW species 15 x 2 = 30
2. Fraxinus americana	5	No	FACU	FAC species 85 x 3 = 255
3.				FACU species 55 x 4 = 220
4.				UPL species 0 x 5 = 0
5				Column Totals: 155 (A) 505 (B
6.				Prevalence Index = B/A = 3.26
7.				Hydrophytic Vegetation Indicators:
	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)		•		X 2 - Dominance Test is >50%
1. Solidago gigantea	15	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Rhamnus cathartica	5	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supportin
3. Toxicodendron radicans	5	Yes	FAC	data in Remarks or on a separate sheet)
4. Alliaria petiolata	5	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Lonicera morrowii	5	Yes	FACU	
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	35	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles 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.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
4.		=Total Cover		Present? Yes <u>X</u> No

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument th	ne indica	tor or co	onfirm the absence of	indicators.)
Depth	Matrix		Redox	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/1	100					Loamy/Clayey	
6-20	10YR 5/2	80	10YR 4/6	20	C		Loamy/Clayey	Prominent redox concentrations
	oncentration, D=Depl						2	=Pore Lining, M=Matrix.
Hydric Soil I				10-11/1851	keu Sano	Grains.		r Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		oo (S8) (I			k (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		(00) (i			airie Redox (A16) (LRR K, L, R)
Black His				,				
	(<i>)</i>		Thin Dark Surfa High Chroma S					ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)							Below Surface (S8) (LRR K, L)
I —	Layers (A5)	(Loamy Mucky I			K K, L)		(Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			ganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		X Depleted Matrix					Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su					odic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	nt Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (F8	3)		Very Shal	llow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	plain in Remarks)
Dark Sur	face (S7)							
		ion and w	etland hydrology mι	ust be pr	esent, ur	nless dist	urbed or problematic.	
	.ayer (if observed):							
Type: -								
Depth (in	nches):						Hydric Soil Present	t? Yes <u>X</u> No
Remarks: This data for	m is revised from No	rthcentral	and Northeast Regi	ional Su	pplemen [.]	t Version	2.0 to include the NRC	S Field Indicators of Hydric Soils,
	2015 Errata. (http://w							



		al and Northeast Neg	Jion
Project/Site: CHPE Package 6	City/County: Hanna	acroix S	Sampling Date: <u>12/1/21</u>
Applicant/Owner: CHA		State: NY	Sampling Point: LB-3
Investigator(s): Nick Dominic/Justin Williams	Section, Te	ownship, Range:	
Landform (hillside, terrace, etc.):	Local relief (concave, conv	/ex, none):	Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 14		: -73.81875	Datum: NAD83
Soil Map Unit Name:		NWI classification:	PEM
Are climatic / hydrologic conditions on the site t	/pical for this time of year? Yes X	No (If no, ex	plain in Remarks.)
Are Vegetation No , Soil N , or Hydrold	gy N significantly disturbed? Are "Nor	rmal Circumstances" preser	
Are Vegetation N , Soil N , or Hydrold		ed, explain any answers in I	
			,
SUMMARY OF FINDINGS – Attach s	ite map showing sampling point loca	ations, transects, imp	portant features, etc.
Hydric Soil Present?	Yes X No Is the Sampled A Yes X No within a Wetland Yes X No If yes, optional W	d? Yes <u>X</u>	No
Wetland LB			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (mi	inimum of two required)
Primary Indicators (minimum of one is required	; check all that apply)	Surface Soil Cracks	(B6)
X Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (E	310)
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B1	6)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water T	able (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (Ca	8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on	ı Aerial Imagery (C9)
Drift Deposits (B3)	X Presence of Reduced Iron (C4)	Stunted or Stressed	Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position	ו (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3	3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Re	elief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D	5)
Field Observations:			

Surface Water Present?	Yes	Х	No	Depth (inches):	3				
Water Table Present?	Yes	Х	No	Depth (inches):	6				
Saturation Present?	Yes	Х	No	Depth (inches):	0	Wetland Hydrology Present?	Yes	Х	_ No
(includes capillary fringe)									

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

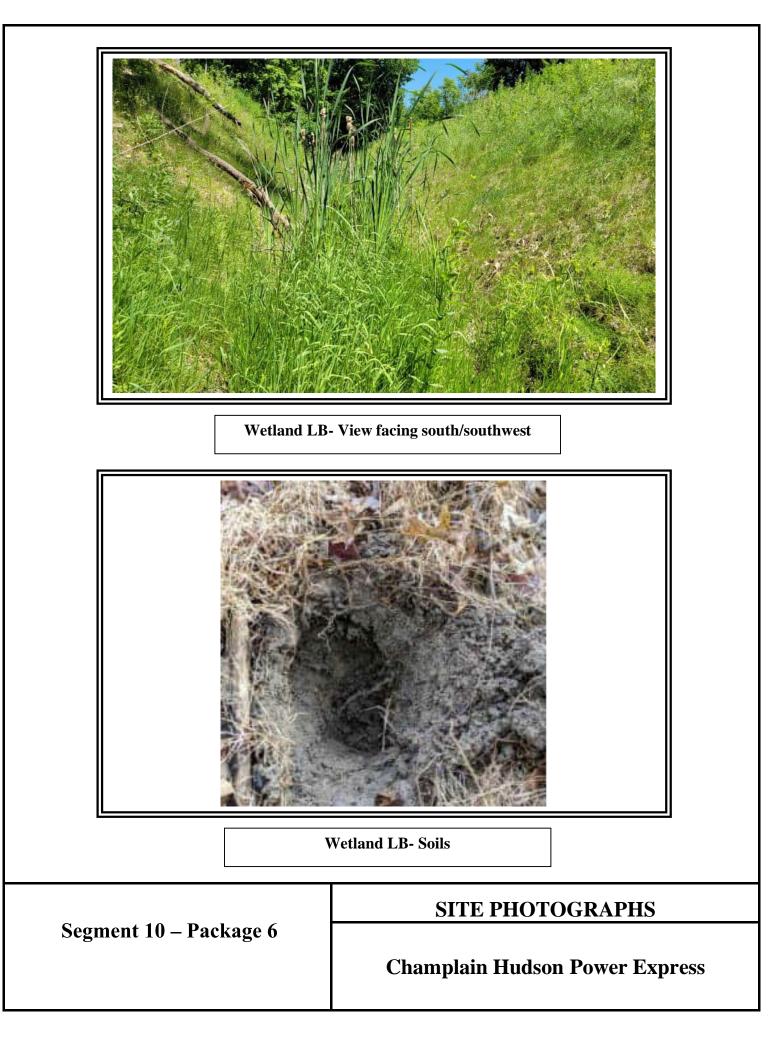
Remarks:

Sampling Point: LB-3

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
<u>nee Stratum</u> (Flot size. <u>30</u>)	/0 00001	Sheries :	Status	
2.		·		Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3. 4.		·		Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 $x 1 = 0$
1. Cornus sericea	25	Yes	FACW	FACW species 115 x 2 = 230
2.				FAC species $0 \times 3 = 0$
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 115 (A) 230 (B)
6.				Prevalence Index = $B/A = 2.00$
7.				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phragmites australis	60	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Persicaria	30	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
2			1701	data in Remarks or on a separate sheet)
4.		·		Problematic Hydrophytic Vegetation ¹ (Explain)
5				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.		·		Hydrophytic
4.				Vegetation Present? Yes x No
*		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet)	-		
Tremarka. (include proto numbera nere of on a sepa	rate sheet.)			

SOIL

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument tl	he indica	tor or c	onfirm the absence of inc	licators.)
Depth	Matrix			ox Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10yr 4/2						Sandy	
6-14	10yr 3/1	75	7.5yr 4/6	25			Sandy	Prominent
<u> </u>								
1							2	
'Type: C=Co Hydric Soil	oncentration, D=Dep	letion, RN	Reduced Matrix, I	MS=Mas	ked Sand	d Grains.		ore Lining, M=Matrix. roblematic Hydric Soils ³ :
Histosol			Polyvalue Beld	ow Surfa	ce (S8) (I	RR R.		A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		 MLRA 149E		() (-	,		Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Sur	·) (LRR R	MLRA		Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma					low Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					Inface (S9) (LRR K, L)
Depleted	d Below Dark Surface	ə (A11)	Loamy Gleyed				Iron-Mangan	ese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matr					odplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark S		6)			c (TA6) (MLRA 144A, 145, 149B)
	Bleyed Matrix (S4)		Depleted Dark	-	-			Material (F21)
X Sandy R			Redox Depres					Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LF	RRK,L)				in in Remarks)
? Dark Su	rface (S7)		、 , 、				、 .	,
-	· · ·							
			etland hydrology m	ust be pi	resent, ur	nless dis	turbed or problematic.	
_	Layer (if observed):							
Type:							Hydric Soil Present?	Yes X No
	nches):							Yes <u>X</u> No
Remarks:								



Project/Site: Cl	HPE				City/	County: New Ba	timore/Green	:	Sampling Date:	6.20.22
Applicant/Owner	: <u>TDI</u>						State:	NY	Sampling Point:	LB Upl
Investigator(s):	John Greav	res & Chi	ris Einstein			Section, Tow	nship, Range:			
Landform (hillsid	e, terrace, e	etc.): <u>+</u>	Hillslope		Local relief ((concave, conve>	, none): <u>Conve</u>	х	Slope	%: 50
Subregion (LRR	or MLRA):	LRR R		Lat:	42.401724	Long:	-73.819208		Datum:	NAD83
Soil Map Unit Na	ame: <u>HvB,</u>	HvC, Hv	E - Hudson and	l Verg	gennes soils		NWI classi	fication:		
Are climatic / hyd	drologic con	ditions o	n the site typica	al for t	this time of year?	Yes X	No	(If no, e	xplain in Remarks	.)
Are Vegetation	, Soil	,	or Hydrology		significantly disturbed?	Are "Norm	al Circumstance	es" prese	ent? Yes X	No
Are Vegetation	, Soil	,	or Hydrology		naturally problematic?	(If needed	explain any an	swers in	Remarks.)	
SUMMARY C	of findi	NGS –	Attach site ı	map	showing sampling	g point locati	ons, transe	cts, imp	portant featur	es, etc.

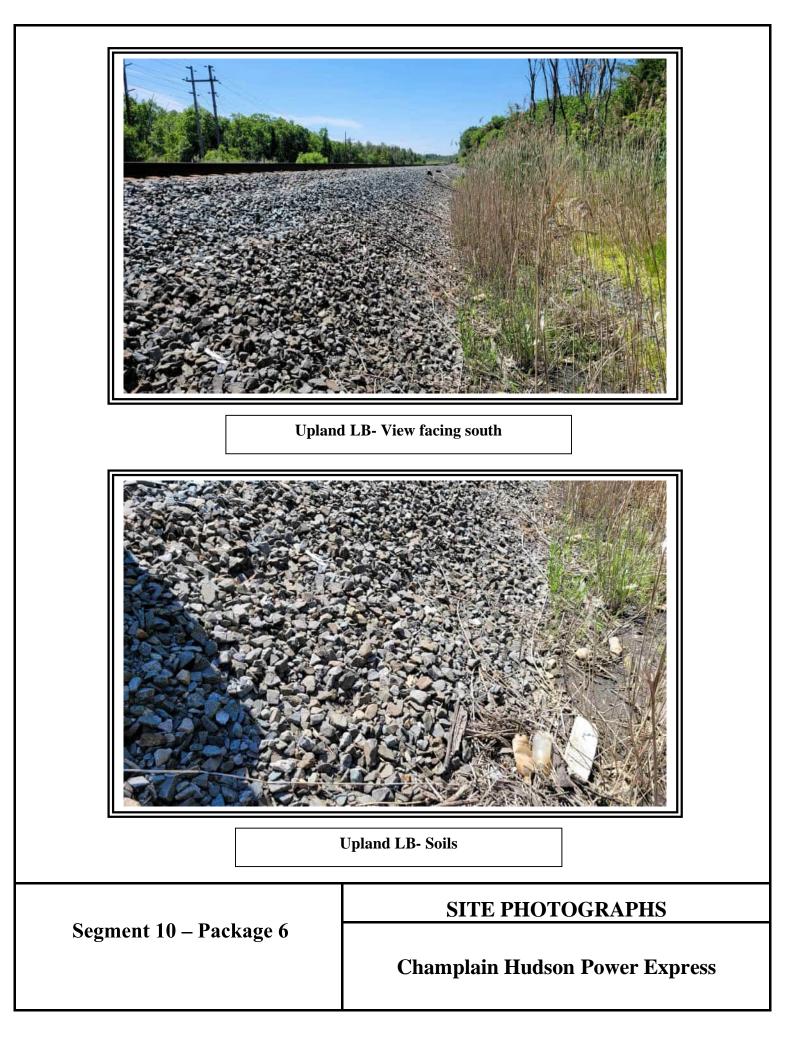
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu Railroad embankment.	res here or in a	separate report.)	

Wetland Hydrology Indicators:	1	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of	one is required; checl	Surface Soil Cracks (B6)					
Surface Water (A1) Water-Stained Leaves (B9)				Drainage Patterns (B1	Drainage Patterns (B10)		
High Water Table (A2)	Aqu	Moss Trim Lines (B16)				
Saturation (A3)	Ma	rl Deposits (B15)		Dry-Season Water Ta	ble (C2)		
Water Marks (B1)	Hyd	Crayfish Burrows (C8)					
Sediment Deposits (B2)	Oxi	Saturation Visible on A	Aerial Imagery (C9)				
Drift Deposits (B3)	Pre	Stunted or Stressed P	lants (D1)				
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6)				Geomorphic Position (D2)		
Iron Deposits (B5)	Iron Deposits (B5) Thin Muck Surface (C7)						
Inundation Visible on Aerial	ation Visible on Aerial Imagery (B7) Other (Explain in Remarks)				ef (D4)		
Sparsely Vegetated Concave Surface (B8)				FAC-Neutral Test (D5)		
Field Observations:							
Surface Water Present? Ye	es No X	Depth (inches):					
Water Table Present? Ye	es No X	Depth (inches):	_				
Saturation Present? Ye	es No X			nd Hydrology Present?	Yes No X		
(includes capillary fringe)							
Describe Recorded Data (stream	n gauge, monitoring w	ell, aerial photos, previous i	nspections), if	available:			
Remarks:							

Sampling Point: LB Upl

Tree Stratum	(Plot size:	30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
			/				
2							Number of Dominant SpeciesThat Are OBL, FACW, or FAC:(A)
2							
4							Total Number of DominantSpecies Across All Strata:(B)
F							Demont of Deminent Species
0							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	<u>Stratum</u> (Plo	t size:	15)				OBL species x 1 =
1.							FACW species x 2 =
2.							FAC species x 3 =
3.							FACU species x 4 =
4.							UPL species x 5 =
5							Column Totals: (A)(B)
6.							Prevalence Index = B/A =
7.							Hydrophytic Vegetation Indicators:
				[:]	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum	(Plot size:	5	_)				2 - Dominance Test is >50%
1							3 - Prevalence Index is ≤3.0 ¹
2							4 - Morphological Adaptations ¹ (Provide supporting
3							data in Remarks or on a separate sheet)
4							Problematic Hydrophytic Vegetation ¹ (Explain)
5					. <u></u>		¹ Indicators of hydric soil and wetland hydrology must
6							be present, unless disturbed or problematic.
7							Definitions of Vegetation Strata:
8							Tree – Woody plants 3 in. (7.6 cm) or more in
9							diameter at breast height (DBH), regardless of height.
10							Sapling/shrub – Woody plants less than 3 in. DBH
11							and greater than or equal to 3.28 ft (1 m) tall.
12							Herb – All herbaceous (non-woody) plants, regardless
				[:]	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine S	<u>tratum</u> (Plo	t size:	30)				Woody vines – All woody vines greater than 3.28 ft in
							height.
							Hydrophytic
							Vegetation
4							Present? Yes No _X
					=Total Cover		
Remarks: (Inc No vegetation			or on a sepa	rate sheet.)			

· · · -	Matrix		Redo	x Featu					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	arks
						<u> </u>			
-	contration D-Don	otion PM	=Reduced Matrix, I		kod Sand	Grains	² Location: PL =	Pore Lining, M=N	latrix
lydric Soil Inc				vi3–ivias	keu Sanu	Grains.		Problematic Hyd	
Histosol (A			Polyvalue Belo	w Surfa	(82) A	RRR		(A10) (LRR K, L	
Histic Epipe			NLRA 149E		ice (00) (L	IXIX IX,		ie Redox (A16) (I	
Black Histic			Thin Dark Sur	,				y Peat or Peat (S	
	Sulfide (A4)		High Chroma					Below Surface (St	
Stratified La			Loamy Mucky					Surface (S9) (LRF	
	Below Dark Surface	(A11)	Loamy Gleyed			· · · ,		inese Masses (F1	
·	Surface (A12)	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Depleted Matr		(• _)			Floodplain Soils (F	
	cky Mineral (S1)		Redox Dark S		-6)			dic (TA6) (MLRA	
	yed Matrix (S4)		Depleted Dark		•			Material (F21)	,
Sandy Red			Redox Depres					w Dark Surface (F22)
 Stripped M			 Marl (F10) (LF		,			lain in Remarks)	,
Dark Surfa				, ,			、 '	,	
	()								
Indicators of h	vdrophytic vegetati	ion and w	etland hvdrologv m	ust be p	resent. un	less distu	rbed or problematic.		
	yer (if observed):						·		
Туре:									
Depth (inch	nes).						Hydric Soil Present?	Yes	No X



Project/Site: CHPE Packag	19.6			Complian Datas 12/1/21		
			inty: Hannacroix	Sampling Date: <u>12/1/21</u>		
Applicant/Owner: CHA			State: NY	Sampling Point: MB-2		
Investigator(s): Nick Domini	c/Justin Williams		Section, Township, Range:			
Landform (hillside, terrace, e	tc.):	Local relief (cor	ncave, convex, none):	Slope %:		
Subregion (LRR or MLRA):	LRR R, MLRA 144B Lat:	42.39883	Long: <u>-73.81973</u>	Datum: NAD83		
Soil Map Unit Name:			NWI classification:	PEM		
Are climatic / hydrologic cond	ditions on the site typical for	this time of year?	Yes X No (If no,	explain in Remarks.)		
Are Vegetation <u>No</u> , Soil	N, or Hydrology N	significantly disturbed?	Are "Normal Circumstances" pres	sent? Yes X No		
Are Vegetation <u>N</u> , Soil	<u>N</u> , or Hydrology <u>N</u>	_naturally problematic?	(If needed, explain any answers i	n Remarks.)		
SUMMARY OF FINDIN	IGS – Attach site map	o showing sampling p	oint locations, transects, in	nportant features, etc.		
Hydrophytic Vegetation Present? Yes X No Is the Sampled Area Hydric Soil Present? Yes X No within a Wetland? Yes X No Wetland Hydrology Present? Yes X No If yes, optional Wetland Site ID: No						
Remarks: (Explain alternati Wetland MB	ve procedures here or in a s	separate report.)				
HYDROLOGY						
Wetland Hydrology Indica	tors:		Secondary Indicators (minimum of two required)		
Primary Indicators (minimun	n of one is required; check a	all that apply)	Surface Soil Cracks (B6)			
Surface Water (A1)	Wate	er-Stained Leaves (B9)	Drainage Patterns	(B10)		
X High Water Table (A2)	Aqua	itic Fauna (B13)	Moss Trim Lines (I	B16)		
V Caturatian (A0)	Mari	Democite (D1E)	Day Seesen Weter Table (C2)			

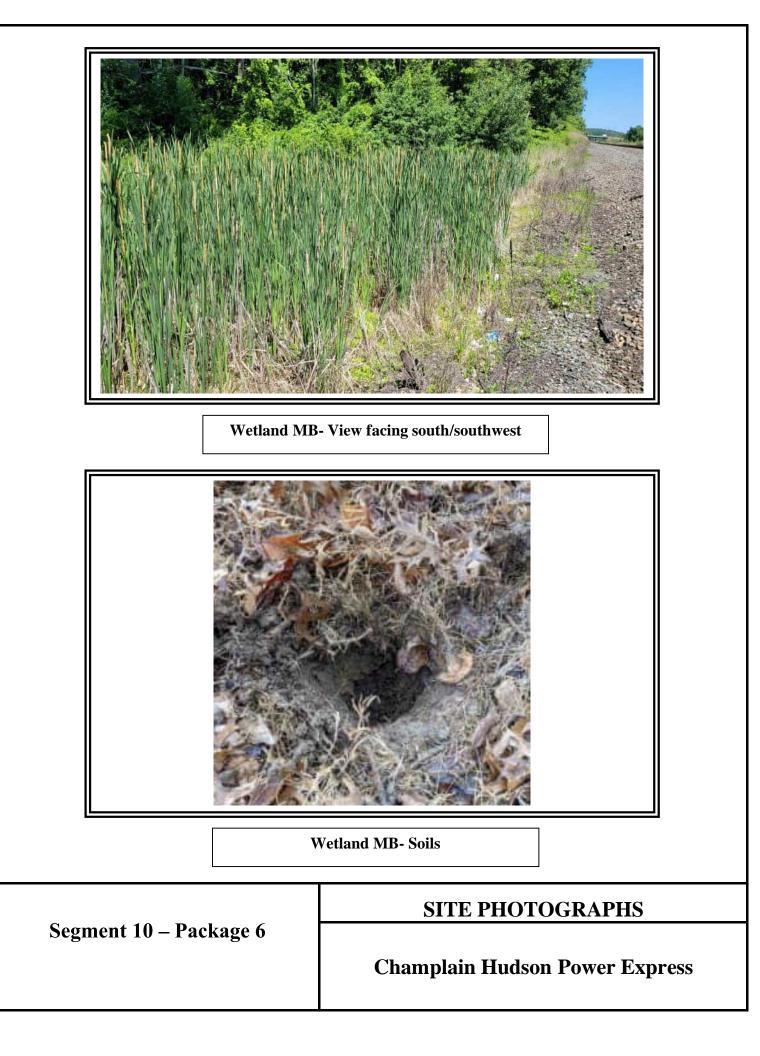
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)			
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	X Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)			
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 (B	3)	FAC-Neutral Test (D5)			
Field Observations:					
Surface Water Present? Yes	No x Depth (inches):				
Water Table Present? Yes X	No Depth (inches): 7				
Saturation Present? Yes X	No Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No			
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspections), if	available:			
Remarks:					

Sampling Point: MB-2

	Absolute	Dominant	Indicator				
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:			
1				Number of Dominant Species			
2				That Are OBL, FACW, or FAC:3 (A)			
3				Total Number of Dominant			
4				Species Across All Strata: <u>3</u> (B)			
5				Percent of Dominant Species			
6				That Are OBL, FACW, or FAC: 100.0% (A/B)			
7				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15)				OBL species X 1 = 30			
1				FACW species 110 x 2 = 220			
2				FAC species 0 x 3 = 0			
3				FACU species 0 x 4 = 0			
4				UPL species 0 x 5 = 0			
5.				Column Totals: 140 (A) 250 (B)			
6.				Prevalence Index = B/A = 1.79			
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	30	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹			
2. Persicaria	80	Yes	FACW	4 - Morphological Adaptations ¹ (Provide support			
3. Typha latifolia	30	Yes	OBL	data in Remarks or on a separate sheet)			
1				Problematic Hydrophytic Vegetation ¹ (Explain)			
^{4.}							
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8.							
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10.							
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12	140			Herb – All herbaceous (non-woody) plants, regardless			
N/	140	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2			. <u> </u>	Hydrophytic			
3				Vegetation			
4				Present? Yes <u>x</u> No			
		=Total Cover					
Remarks: (Include photo numbers here or on a separ	rate sheet.)						

SOIL

		to the dep				tor or c	onfirm the absence o	of indicators.)	
Depth	Matrix			x Featur		1 2	- .	5	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	
0-6	10yr 3/1	20	7.5yr 4/6	80			Sandy	Promin	ent
6-14	10yr 2/1	75	7.5yr 4/6	25			Sandy	Promin	ent
					. <u></u>				
¹ Type: C=Co	ncentration, D=Dep	letion, RM	=Reduced Matrix, I	MS=Mas	ked Sand	d Grains.	² Location: P	PL=Pore Lining, M=Ma	trix.
Hydric Soil In		*						or Problematic Hydri	
Histosol (A1)		Polyvalue Belo		ce (S8) (I	_RR R,	2 cm Mu	ıck (A10) (LRR K, L, M	/ILRA 149B)
	pedon (A2)		MLRA 149E	·				rairie Redox (A16) (LR	
Black His			? Thin Dark Sur					icky Peat or Peat (S3)	
	n Sulfide (A4)		High Chroma					e Below Surface (S8)	. ,
	Layers (A5)	()]]]	Loamy Mucky			ΚΚ, L)		rk Surface (S9) (LRR I	
	Below Dark Surface rk Surface (A12)	e (ATT)	Loamy Gleyed Depleted Matr		(FZ)			nganese Masses (F12 nt Floodplain Soils (F1	
	ucky Mineral (S1)		X Redox Dark S		-6)			podic (TA6) (MLRA 1 4	
	eyed Matrix (S4)		Depleted Dark		-			ent Material (F21)	HA, 143, 143D)
Sandy Re			Redox Depres					allow Dark Surface (F2	22)
	Matrix (S6)		Marl (F10) (LF	,	-,			Explain in Remarks)	/
Dark Surf				. ,			、	, ,	
			etland hydrology m	ust be p	resent, ur	nless dist	urbed or problematic.		
	ayer (if observed):								
Type:									
Depth (in	ches):						Hydric Soil Preser	nt? Yes <u>X</u>	No
Remarks:									



							•	
Project/Site: CHPE	Package 6			City/County: <u>Hannac</u>	croix		Sampling Date: 1	2/1/21
Applicant/Owner:	CHA				State:	NY	Sampling Point:	NB-3
Investigator(s): Nick	Dominic/Justin Willia	ms		Section, Tov	wnship, Range:			
Landform (hillside, ter	race, etc.):		Local re	elief (concave, conve	x, none):		Slope	%:
Subregion (LRR or MI	_RA): LRR R, MLR	A 144B Lat: 4		Long:			Datum: N	
Soil Map Unit Name:					NWI classifi	cation:	PEM	
Are climatic / hydrolog	ic conditions on the	site typical for th	is time of year?	Yes X	No	(If no, e	explain in Remarks.)
Are Vegetation No , Soil N , or Hydrology N significantly disturbed? Are "Normal Circumstances" preser								
Are Vegetation N					, explain any ans			
							,	
SUMMARY OF F	INDINGS – Attac	sh site map	showing samp	bling point locat	ions, transed	ts, in	portant feature	es, etc.
Hydrophytic Vegetati	on Present?	Yes X	No	Is the Sampled A	rea			
Hydric Soil Present?		Yes X	No	within a Wetland		Х	No	
Wetland Hydrology F	resent?	Yes X	No	lf yes, optional We				
Wetland NB	Iternative procedures		parate report.)					
HYDROLOGY								
Wetland Hydrology	Indicators:				Secondary Indic	ators (r	minimum of two req	uired)
Primary Indicators (n	ninimum of one is req	uired; check all	that apply)		Surface Soi	I Crack	s (B6)	
X Surface Water (A	\1)	Water-	Stained Leaves (B	9)	Drainage Patterns (B10)			
X High Water Tabl	ə (A2)	Aquatio	c Fauna (B13)		Moss Trim Lines (B16)			
X Saturation (A3)		Marl De	eposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrog	en Sulfide Odor (C	21)	Crayfish Burrows (C8)			
Sediment Depos	its (B2)		•	n Living Roots (C3)			on Aerial Imagery (C	;9)
Drift Deposits (B	3)	X Presen	ce of Reduced Iro	n (C4)	Stunted or S	Stresse	d Plants (D1)	
Algal Mat or Cru	st (B4)	Tilled Soils (C6)	Geomorphic	2 Positio	on (D2)			

Thin Muck Surface (C7)

No _____ Depth (inches):

No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

No

Other (Explain in Remarks)

Depth (inches):

Depth (inches):

2

4

0

Remarks:

Iron Deposits (B5)

Field Observations:

Surface Water Present?

(includes capillary fringe)

Water Table Present?

Saturation Present?

Inundation Visible on Aerial Imagery (B7)

Sparsely Vegetated Concave Surface (B8)

Yes X

Yes

Yes

Х

Х

Yes X No

Shallow Aquitard (D3)

FAC-Neutral Test (D5)

Wetland Hydrology Present?

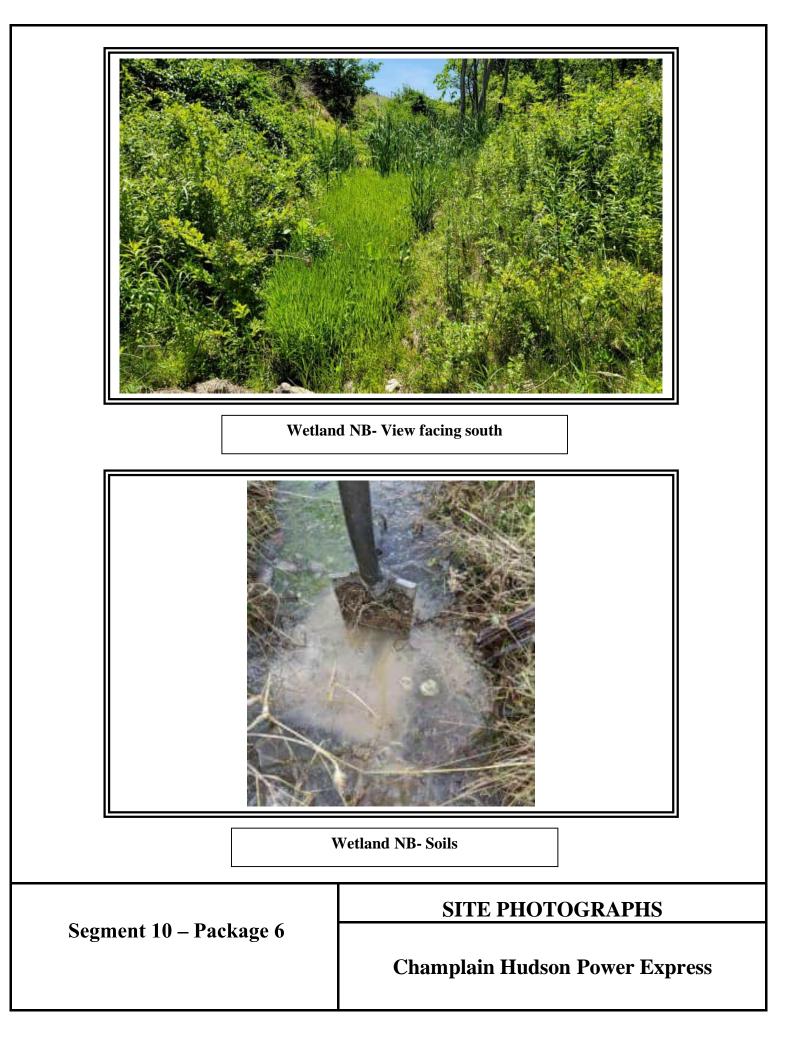
Microtopographic Relief (D4)

Sampling Point: NB-3

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. 2.		·		Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3		·		Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5		·		Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 80 x 1 = 80
				FACW species 60 x 2 = 120
1 2		·		FAC species $0 \times 3 = 0$
3		·		FACU species $0 \times 4 = 0$
				UPL species $0 \times 5 = 0$
				Column Totals: 140 (A) 200 (B)
6				Prevalence Index = $B/A = 1.43$
		·		Hydrophytic Vegetation Indicators:
7		=Total Cover		
Horth Stratum (Distainer E)				1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5)			54014	
1. Carex	20	No	FACW	X 3 - Prevalence Index is $≤3.0^{1}$
2. Persicaria	40	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. <u>Typha latifolia</u>	80	Yes	OBL	
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5 6		·		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9.		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10		·		Sapling/shrub – Woody plants less than 3 in. DBH
11		·		and greater than or equal to 3.28 ft (1 m) tall.
12	140	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes x No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet)			

SOIL	
------	--

Profile Desc Depth	ription: (Describe Matrix	to the de		ument t x Featur		ator or c	onfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10yr 3/1	80	7.5yr 4/6	20	<u> </u>		Loamy/Clayey	Prominent
6-14	10yr 2/1	65	7.5yr 4/6	35			Loamy/Clayey	Prominent
							·	
1							2 –	
'Type: C=Co Hydric Soil	oncentration, D=Dep	letion, RN	I=Reduced Matrix, I	MS=Mas	ked San	d Grains		L=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	ow Surfa	ce (S8) (LRR R.		ick (A10) (LRR K, L, MLRA 149B)
	vipedon (A2)		MLRA 1498		(00) (,		rairie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf	') (L RR R	. MLRA		icky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	I Layers (A5)		Loamy Mucky					*k Surface (S9) (LRR K, L)
	Below Dark Surface	- (A11)				IX IX , □)		
		e (ATT)	Loamy Gleyed		(FZ)			nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matr		- • •			nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		X Redox Dark S	-	-			podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					ent Material (F21)
	edox (S5)		Redox Depres	•	8)			allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Su	face (S7)							
³ Indicators of	f hydrophytic vegetat	tion and w	/etland hydrology m	ust be p	resent, u	nless dis	turbed or problematic.	
	Layer (if observed):							
Туре:								
	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								



Project/Site: CHPE Package 6	City/County: Hannacroix Sampling Date: 12/1/2021
Applicant/Owner: CHA	State: NY Sampling Point: MB-5 NB-1 UPL
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.):	I relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.39791	Long: -73.81980 Datum:
Soil Map Unit Name:	NWI classification: Upland
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> significantly distu	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> naturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>No X</u>	Is the Sampled Area
Hydric Soil Present?	Yes	<u>No X</u>	within a Wetland? Yes No X
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu Upland for WL MB,NB	res here or in a	separate report.)	
HYDROLOGY			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)

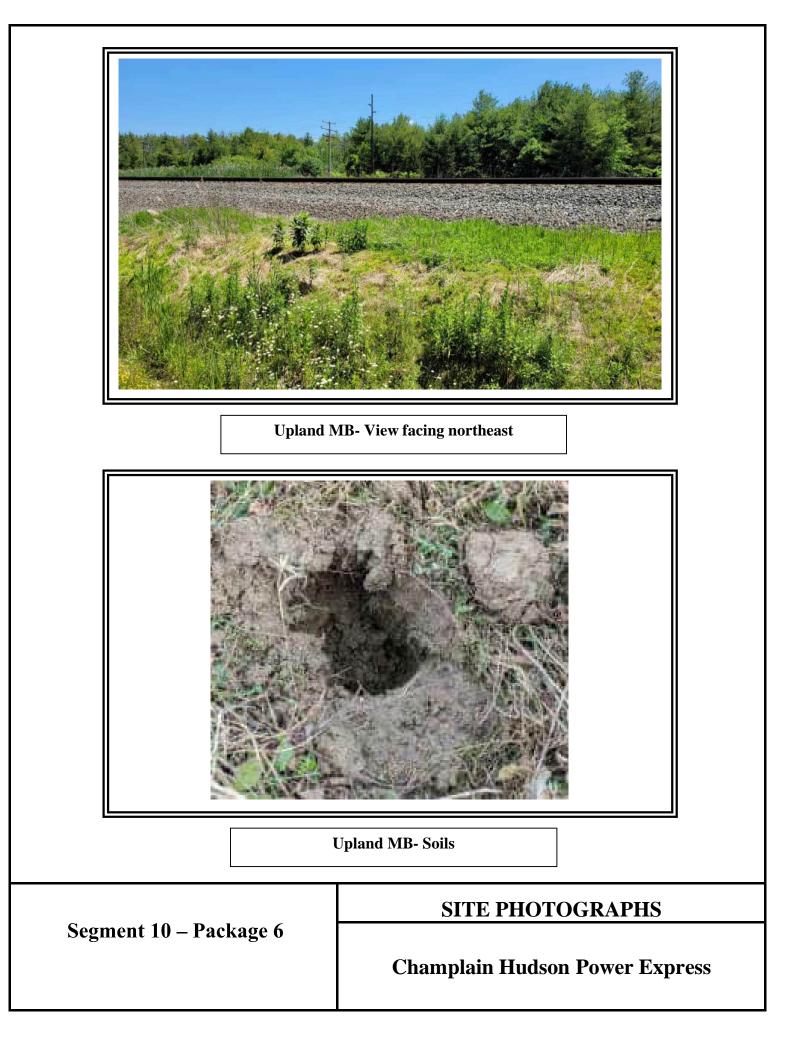
Primary Indicators (minimum of one is requi	red; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	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 Soil	ils (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	· · · · <u> </u>	
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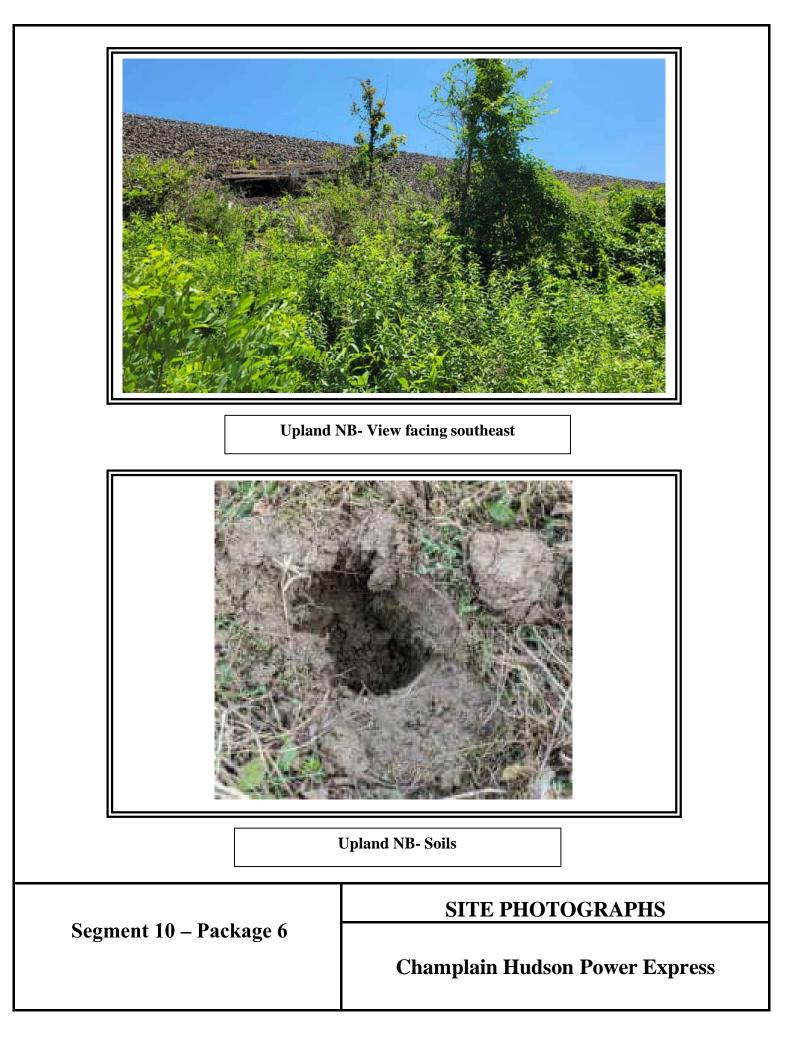
Sampling Point: MB-5 NB-1 UPL

Tura Obstations (Platainas 20	Absolute	Dominant	Indicator	Demission Technologia
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:
<u>Quercus rubra</u>	30	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3				Total Number of Dominant Species Across All Strata:5(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)
7.				Prevalence Index worksheet:
	30	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Rhamnus cathartica	20	Yes	FAC	FACW species 0 x 2 = 0
2. Lonicera sempervirens	30	Yes	FACU	FAC species 40 x 3 =120
3				FACU species 80 x 4 = 320
4.				UPL species 0 x 5 = 0
5.				Column Totals: 120 (A) 440 (B)
6.				Prevalence Index = B/A = 3.67
7.				Hydrophytic Vegetation Indicators:
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Rosa multiflora	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Solidago 3.	20	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
		·		Problematic Hydrophytic Vegetation ¹ (Explain)
5				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9		. <u> </u>		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Conting/obrub Woody plants loss than 2 in DPH
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	40	=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: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No x
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL	
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(inches)				x Featur						
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
7.40	10yr 4/2	100					Loamy/Clayey			
7-16	10yr 3/1						Loamy/Clayey			
	<u>,</u>									
						<u> </u>				
¹ Type: C=Conc	centration. D=Deol	etion. RM	=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=Po	re Lining, M=Matrix.		
Hydric Soil Ind			- roudood maint, n					oblematic Hydric Soils ³ :		
Histosol (A1	1)		Polyvalue Belo	w Surfa	ce (S8) (I	.RR R,	2 cm Muck (A	10) (LRR K, L, MLRA 149B)		
Histic Epipe	edon (A2)		MLRA 149B	,				Redox (A16) (LRR K, L, R)		
Black Histic			Thin Dark Surf							
Hydrogen S			High Chroma S					ow Surface (S8) (LRR K, L)		
Stratified La		(11)	Loamy Mucky			ΚΚ, L)		face (S9) (LRR K, L)		
	elow Dark Surface Surface (A12)	; (ATT)	Loamy Gleyed Depleted Matri		⊢∠)			se Masses (F12) (LRR K, L, R) odplain Soils (F19) (MLRA 149E		
	ky Mineral (S1)		Redox Dark Su	• •	6)			(TA6) (MLRA 144A, 145, 149B)		
	ved Matrix (S4)		Depleted Dark				Red Parent M			
Sandy Red			Redox Depress					Dark Surface (F22)		
Stripped Ma	atrix (S6)		Marl (F10) (L R	R K , L)			Other (Explain	n in Remarks)		
Dark Surfac	ce (S7)									
3										
			etland hydrology mi	ist be p	resent, ur	iless dist	urbed or problematic.			
Type:	/er (if observed):									
	voc):						Hydric Soil Present?	Vac No v		
Depth (inch Remarks:	ies).						Hydric Soll Present?	Yes <u>No x</u>		





Project/Site: CHPE- Van Gurpin Lane- MP 208.8	City/County: New Baltimore/ Greene	Sampling Date: 4/20/2023
Applicant/Owner: <u>CHPE</u>	State:	NY Sampling Point: VG-Wet
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: <u>New Balitmore</u>	
Landform (hillside, terrace, etc.): Lake Plains	Local relief (concave, convex, none): Concave	eSlope (%):
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42°	23' 43.83" Long: <u>73° 49' 12.56"</u>	Datum:
Soil Map Unit Name: Kingsbury and Rhinebeck soils	NWI clas	ssification: PFO
Are climatic / hydrologic conditions on the site typical for thi	is time of year? Yes X No (If no, expl	ain 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 answ	vers in Remarks.)
CLIMMADY OF FINIDINGS Attach atta man	howing compling point locations, transport	to important factures ato

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 Yes X Yes X	No No No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	ires here or in a s	separate report.)	

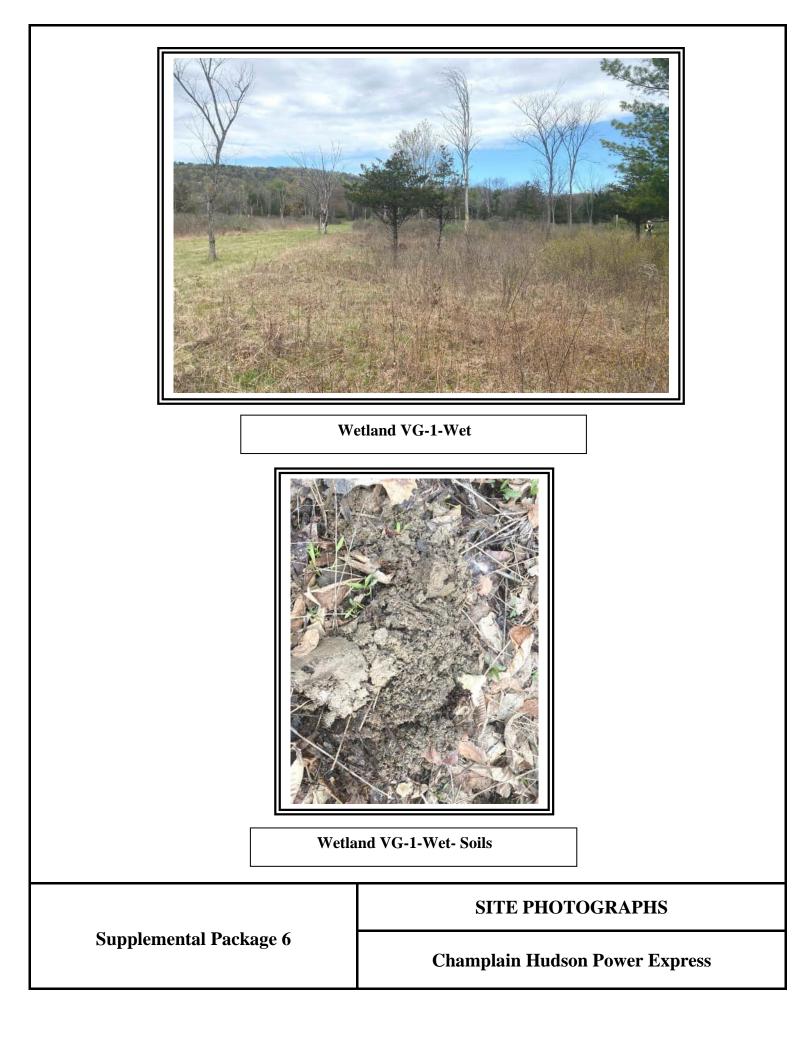
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) X Water-Stained Leaves (B9)	X Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	X Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Livin	g Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled	Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes X No Depth (inches): 0	Wetland Hydrology Present? Yes X No
	Wetland Hydrology Present? Yes X No
Saturation Present? Yes X No Depth (inches): 0 (includes capillary fringe) 0 0 0 0 0 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective 0 0 0	
(includes capillary fringe)	
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(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe	

Sampling Point: VG-Wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Quercus bicolor	15	Yes	FACW	
2. Ulmus americana	10	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)
3. Fraxinus pennsylvanica	10	Yes	FACW	Total Number of Dominant
4.	5	No		Species Across All Strata: 7 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: <u>85.7%</u> (A/B)
7.				Prevalence Index worksheet:
	40	=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1. Lonicera tatarica	5	Yes	FACU	FACW species x 2 =
2. Cornus racemosa	5	Yes	FAC	FAC species x 3 =
3. Viburnum lentago	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')				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	5	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	5	=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		Tatal Osum		Present? Yes X No
Demarke, (Include abote numbers berg er en e sens	rata abaat)	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL

(inches) Color (moist) % Color (moist) % Type? Loc? Texture Remarks 0-14 10YR 3/2 90 10YR 3/4 10 C M Loamy/Clayey Distinct redox concentrations	Depth	escription: (Describe Matrix		•	ox Feature				marcate	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Image: Sport of Carlow Control of C	(inches)	Color (moist)	%				Loc ²	Texture		Remarks	
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) X Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Dark Surface (S7) Mari (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Mari (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Mari (F10) (LRR K, L) Other (Explain in Remarks)	0-14	10YR 3/2	90	10YR 3/4	10	С	М	Loamy/Clayey	Distir	nct redox concentrations	
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) X Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Dark Surface (S7) Mari (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Mari (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Mari (F10) (LRR K, L) Other (Explain in Remarks)											
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Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L, R) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) X Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144B, 145, 149B) 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) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Restrictive Layer (if observed): Yee Type:			· · · ·								
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Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) X Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Restrictive Layer (if observed): Type: Type:	Hydro	ogen Sulfide (A4)		High Chroma S	ands (S1	1) (LRR Þ	(, L)	Polyvalue	Below Su	urface (S8) (LRR K, L)	
Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) 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) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Restrictive Layer (if observed): Type: Type:	Stratif	fied Layers (A5)		Loamy Mucky N	/lineral (F	1) (LRR	(, L)	Thin Dark	Surface ((S9) (LRR K, L)	
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) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 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	Deple	ted Below Dark Surface	e (A11)	Loamy Gleyed I	Matrix (F2	2)		Iron-Mang	anese Ma	asses (F12) (LRR K, L, R)	
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 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	Thick	Dark Surface (A12)		Depleted Matrix	(F3)			Piedmont	Floodplai	n Soils (F19) (MLRA 149B)	
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (TF12) 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	Sandy	y Mucky Mineral (S1)		X Redox Dark Su	rface (F6))					
Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. 8 Restrictive Layer (if observed): Type: 4 Depth (inches): Hydric Soil Present? Yes X No					-	-					
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					• • •						
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				Marl (F10) (LRF	R K, L)			Other (Exp	plain in Re	emarks)	
Restrictive Layer (if observed):	Dark \$	Surface (S7)									
Restrictive Layer (if observed):	3	.									
Type:				wetland hydrology mu	ust be pre	esent, unle	ess distur	bed or problematic.			
Depth (inches): Hydric Soil Present? Yes X No		•									
									_		
Remarks:	Depth (i	nches):						Hydric Soil Pres	ent?	Yes X No	
	Remarks:										
	version 7.0	U March 2013 Errata. (r	ittp://www	w.nrcs.usda.gov/Inter	net/FSE_		=NIS/nrc	s142p2_051293.doc	x)		
version 7.0 March 2013 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)											
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Project/Site: CHPE- Van Gurpin Lane- MP 208.8	_ City/County: New Baltimore	/ Greene Sam	pling Date: 4/20/20	ე23
Applicant/Owner: CHPE		State: NY	Sampling Point:	VG-1-Up
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range:	New Baltimore		
Landform (hillside, terrace, etc.): Lake Plains	Local relief (concave, convex,	none): Concave	Slope (%):	
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42° 23' 43.83	'Long: <u>7</u>	3° 49' 12.56"	Datum:	
Soil Map Unit Name: Kingsbury and Rhinebeck soils		NWI classification	: None	
Are climatic / hydrologic conditions on the site typical for this time of y	year? Yes <u>X</u> No	(If no, explain in Rer	marks.)	
Are Vegetation, Soil, or Hydrologysignificar	ntly disturbed? Are "Normal	Circumstances" present?	Yes <u>X</u> N	o
Are Vegetation, Soil, or Hydrologynaturally	problematic? (If needed, e	explain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach site map showing	sampling point location	ons, transects, impo	ortant features,	etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area Yes NoX within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Remarks: (Explain alternative proced	ures here or in	a separate report.)	

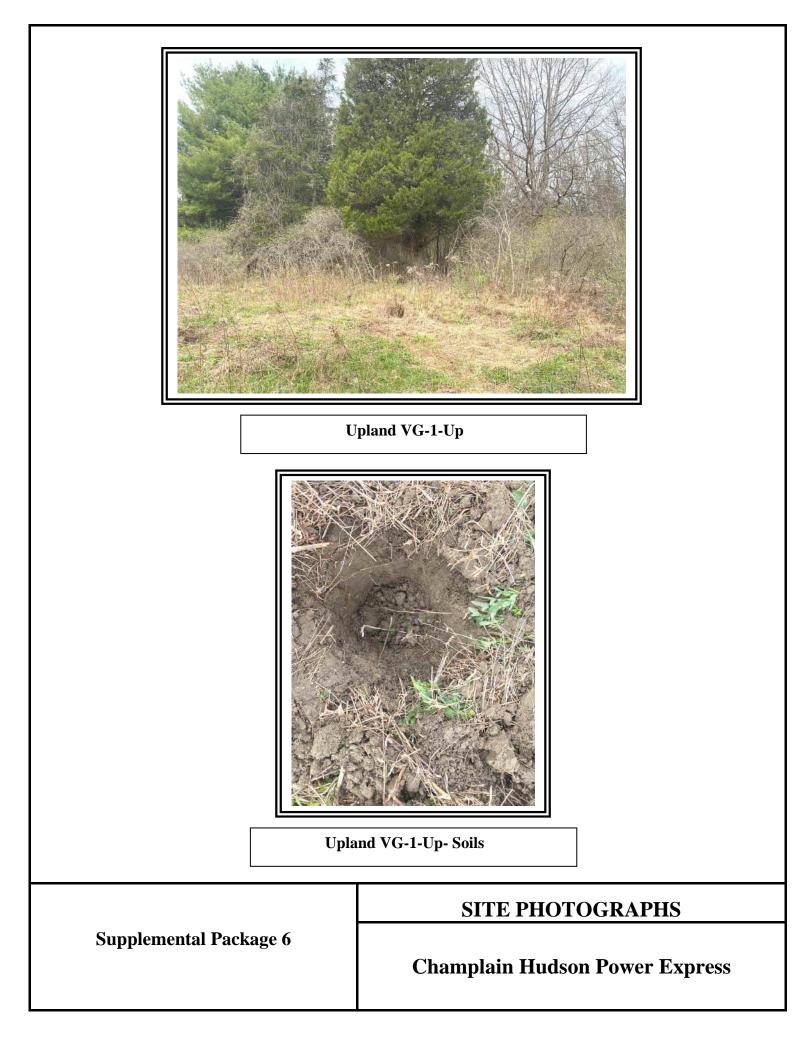
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check	Surface Soil Cracks (B6)				
Surface Water (A1)	Drainage Patterns (B10)				
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)			
Water Marks (B1)	Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)			
Field Observations:					
Surface Water Present? Yes No X	Depth (inches):				
Water Table Present? Yes No X	Depth (inches):				
Water Table Present? Yes No X Saturation Present? Yes No X		ydrology Present? Yes No X			
	,	ydrology Present? Yes <u>No X</u>			
Saturation Present? Yes No X	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe)	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe)	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe)	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring we	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring we	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring we	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring we	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring we	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring we	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring we	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring we	Depth (inches): Wetland Hy				
Saturation Present? Yes No X (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring we	Depth (inches): Wetland Hy				

Sampling Point: VG-1-Up

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Juniperus virginiana	10	Yes	FACU	Number of Dominant Species
2. Pinus strobus	5	Yes	FACU	That Are OBL, FACW, or FAC:(A)
3.				Total Number of Dominant
4.				Species Across All Strata: 7 (B)
5.				
				Percent of Dominant Species That Are OBL, FACW, or FAC: 14.3% (A/B)
		·		Prevalence Index worksheet:
/		Tatal Oau		
	15	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1. Lonicera tatarica	10	Yes	FACU	FACW species x 2 =
2. Cornus racemosa	15	Yes	FAC	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:
/·		-Tatal Causa		
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Rubus allegheniensis	10	No	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Trifolium pratense	10	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Plantago major	15	Yes	FACU	data in Remarks or on a separate sheet)
4. Taraxacum officinale	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Solidago canadensis	15	Yes	FACU	
6	15	Yes		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				
· · · · · · · · · · · · · · · · · · ·				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10		·		Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	70	=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
				Vegetation Present? Yes No X
4				Present? Yes No _X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

SOIL

<u> </u>	(moist) % /R 4/4 100		<u>%</u> <u>1</u> 	Гуре ¹ 	² Texture	Rema	rks
	<u>'R 4/4 100</u>) 			Loamy/Clayey		
			= = =				
		n, RM=Reduced Matrix, C	S=Covered	or Coated S		ion: PL=Pore Lining	
Hydric Soil Indicat	ors:					Problematic Hydric	
Histosol (A1)		Polyvalue Below	/ Surface (S	68) (LRR R,		(A10) (LRR K, L, M	,
Histic Epipedor		MLRA 149B)	··· (00) (I B			ie Redox (A16) (LR	
Black Histic (A	,	Thin Dark Surfa				y Peat or Peat (S3)	
Hydrogen Sulfie		High Chroma Sa		-		Below Surface (S8) (
Stratified Layer		Loamy Mucky N		(LKK K, L)		Surface (S9) (LRR K	-
Thick Dark Sur	Dark Surface (A1	1) Loamy Gleyed M Depleted Matrix				nese Masses (F12) loodplain Soils (F19	
Sandy Mucky N		Redox Dark Sur				dic (TA6) (MLRA 14	
Sandy Gleyed		Depleted Dark S				Material (F21)	+A, 140, 140D)
Sandy Redox (Redox Depressi				w Dark Surface (TF	12)
Stripped Matrix		Marl (F10) (LRR				ain in Remarks)	
Dark Surface (, -,				
(,						
³ Indicators of hydro	phytic vegetation a	ind wetland hydrology mu	ist be prese	nt, unless dis	sturbed or problematic.		
Restrictive Layer (f observed):						
Туре:							
Depth (inches):					Hydric Soil Prese	ent? Yes	No X
Remarks:					,		



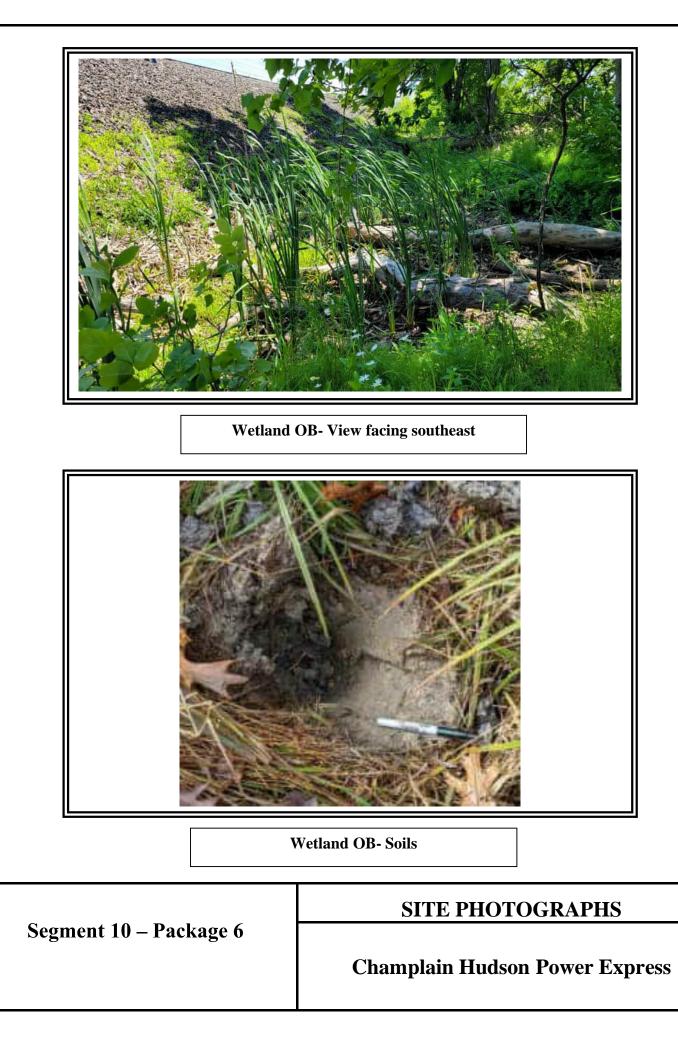
Project/Site: CHPE Packac	ne 6	City/Coupty: Hon	agoroix	Sampling Data: 12/1/21		
		City/County: Hanr		Sampling Date: <u>12/1/21</u>		
Applicant/Owner: <u>CHA</u>				Sampling Point: OB-1		
Investigator(s): Nick Domini	c/Justin Williams	Section,	Fownship, Range:			
Landform (hillside, terrace, e	tc.):	Local relief (concave, cor	ivex, none):	Slope %:		
Subregion (LRR or MLRA):	LRR R, MLRA 144B Lat:	42.39687 Lon	g: <u>-73.81984</u>	Datum: NAD83		
Soil Map Unit Name:			NWI classification:	PEM		
Are climatic / hydrologic cond	ditions on the site typical for	this time of year? Yes	X No (If no,	explain in Remarks.)		
Are Vegetation <u>No</u> , Soil	N, or Hydrology N	significantly disturbed? Are "No	ormal Circumstances" pres	sent? Yes X No		
Are Vegetation <u>N</u> , Soil	<u>N</u> , or Hydrology <u>N</u>	, or Hydrology <u>N</u> naturally problematic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDIN	IGS – Attach site map	p showing sampling point loc	ations, transects, in	nportant features, etc.		
Hydrophytic Vegetation Pre Hydric Soil Present? Wetland Hydrology Present	Yes X	No within a Wetlar		No		
Remarks: (Explain alternati Wetland OB	ive procedures here or in a s	separate report.)				
HYDROLOGY						
Wetland Hydrology Indica	tors:		Secondary Indicators ((minimum of two required)		
Primary Indicators (minimur	n of one is required; check a	all that apply)	Surface Soil Crack	(s (B6)		
X Surface Water (A1)	Wate	er-Stained Leaves (B9)	Drainage Patterns	(B10)		
X High Water Table (A2)	Aqua	atic Fauna (B13)	Moss Trim Lines (B16)			
X Saturation (A3)	Marl	Deposite (B15)	Dry-Season Water Table (C2)			

X High Water Table (A2)			Aqua	atic Fauna (B13)			Moss Trim Lines (B16))
X Saturation (A3)			Marl	Deposits (B15)		Dry-Season Water Tak	ole (C2)	
Water Marks (B1)			Hydr	ogen Sulfide Odor (C	Crayfish Burrows (C8)			
Sediment Deposits (B2)			Oxid	ized Rhizospheres on	1 Living R	Saturation Visible on A	verial Imagery (C9)	
Drift Deposits (B3)			X Pres	ence of Reduced Iron	Stunted or Stressed P	lants (D1)		
Algal Mat or Crust (B4)			Rece	Recent Iron Reduction in Tilled Soils (C6) Geomorphic Po				D2)
Iron Deposits (B5)			Thin	Muck Surface (C7)			Shallow Aquitard (D3)	
Inundation Visible on Ae	rial Ima	agery (B	7) Othe	er (Explain in Remarks	3)		Microtopographic Relie	ef (D4)
Sparsely Vegetated Con	cave S	Surface (B8)				FAC-Neutral Test (D5)	
Field Observations:								
Surface Water Present?	Yes	х	No	Depth (inches):	2			
Water Table Present?	Yes	х	No	 Depth (inches):	4			
Saturation Present?	Yes	Х	No	Depth (inches):	0	Wetland	d Hydrology Present?	Yes X No
(includes capillary fringe)								
Describe Recorded Data (str	eam g	auge, m	onitoring we	ell, aerial photos, previ	ious inspe	ections), if a	vailable:	
Remarks:								

Sampling Point: OB-1

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:3(A)
3.				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 40 x 1 = 40
1				FACW species 60 x 2 = 120
2				FAC species x 3 =
3				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
5.				Column Totals: 100 (A) 160 (B)
6.				Prevalence Index = B/A = 1.60
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Carex	10	No	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Persicaria	20	Yes	FACW	 4 - Morphological Adaptations¹ (Provide supporting
3. Typha latifolia	40	Yes	OBL	data in Remarks or on a separate sheet)
4. Phragmites australis	30	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	400			Herb – All herbaceous (non-woody) plants, regardless
West Miss Obstance (Platains 20	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>x</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a separation of the sep	rate sheet.)			

		to the de	=			tor or c	onfirm the absence of in	dicators.)		
Depth	Matrix			x Featur		. 2		_		
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc ²	Texture	Remarks		
0-6	10yr 3/1	80	7.5yr 4/6	20			Loamy/Clayey	Prominent		
6-14	10yr 2/1	65	7.5yr 4/6	35			Loamy/Clayey	Prominent		
					·					
							<u> </u>			
	oncentration, D=Dep	letion, RN	I=Reduced Matrix, I	MS=Mas	ked Sand	J Grains.		ore Lining, M=Matrix		
Hydric Soil I			Dobwoluo Boli	ou Surfo	aa (S9) /I		Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B)			
Histosol Histic En	ipedon (A2)		Polyvalue Belo		ce (58) (I	<u>-</u> K K K,		e Redox (A16) (LRR /	-	
Black His			Thin Dark Surf	,) (LRR R.	MLRA		Peat or Peat (S3) (LF		
	n Sulfide (A4)		High Chroma S					elow Surface (S8) (LF		
	Layers (A5)		Loamy Mucky	Mineral	(F1) (L R F	₹ K , L)		urface (S9) (L RR K, L		
	Below Dark Surface	∍ (A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12)		Depleted Matr		-0)			oodplain Soils (F19) (
	ucky Mineral (S1) leyed Matrix (S4)		X Redox Dark So Depleted Dark		-			c (TA6) (MLRA 144A Material (E21)	, 145, 149B)	
	edox (S5)		Redox Depres				Red Parent Material (F21) Very Shallow Dark Surface (F22)			
	Matrix (S6)		Marl (F10) (LR	•	,		Other (Explain in Remarks)			
Dark Sur	face (S7)									
2										
			etland hydrology m	ust be pi	resent, ur	iless dis	turbed or problematic.			
Restrictive L Type:	.ayer (if observed):									
							Ubudaia Cail Dasaaat2	No. V	Na	
Depth (ir	icnes):						Hydric Soil Present?	Yes X	No	
Remarks:										



WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Package 6	City/County: Hannacroix Sampling Date: 12/1/2021
Applicant/Owner: <u>CHA</u>	State: NY Sampling Point: OB-3 UPL
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.):Local m	elief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.40115	Long: -73.81976 Datum:
Soil Map Unit Name:	NWI classification: Upland
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> significantly disturb	ed? Are "Normal Circumstances" present? Yes X No
Are Vegetation <u>No</u> , Soil <u>No</u> , or Hydrology <u>No</u> naturally problemat	tic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

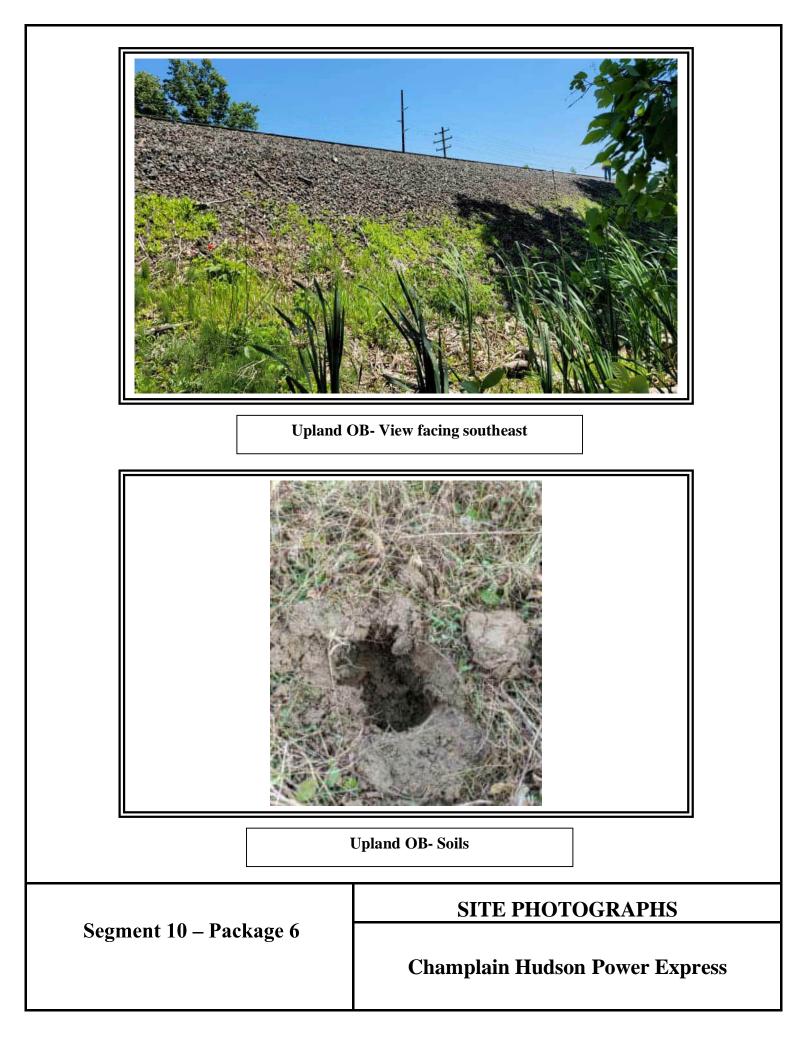
Hydrophytic Vegetation Present?	Yes	No <u>X</u>	Is the Sampled A			
Hydric Soil Present?		No <u>X</u>	within a Wetland			
Wetland Hydrology Present?	Yes	No X	If yes, optional We	etland Site ID:		
Remarks: (Explain alternative procedu Upland for WL OB	res here or in a sep	parate report.)				
HYDROLOGY						
Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is	equired; check all t	hat apply)		Surface Soil Cracks (B6)		
Surface Water (A1)	Water-S	Stained Leaves	s (B9)	Drainage Patterns (B10)		
High Water Table (A2)	Aquatic	Fauna (B13)		Moss Trim Lines (B16)		
Saturation (A3)	Marl De	posits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydroge	en Sulfide Odo	or (C1)	Crayfish Burrows (C8)		
Sediment Deposits (B2)		•	es on Living Roots (C3)			
Drift Deposits (B3)	Presenc	e of Reduced	Iron (C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)			n in Tilled Soils (C6)			
Iron Deposits (B5)	Thin Mu	ick Surface (C	7)	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imager	· · · ·	Explain in Rem	narks)	Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surfa	ıce (B8)			FAC-Neutral Test (D5)		
Field Observations:						
Surface Water Present? Yes	No <u>X</u>	Depth (inche				
Water Table Present? Yes	No <u>X</u>	Depth (inche				
Saturation Present? Yes	No <u>X</u>	Depth (inche	s): Wetlan	nd Hydrology Present? YesNoX		
(includes capillary fringe)						
Describe Recorded Data (stream gaug	e, monitoring well, a	aerial photos,	previous inspections), if	available:		
Devester						
Remarks:						

Sampling Point: OB-3 UPL

	Absolute	Dominant	Indicator	Deminence Test worksheet:
Tree Stratum (Plot size: 30)	% Cover 30	Species?	Status	Dominance Test worksheet:
 Quercus rubra Carya ovata 	40	Yes Yes	FACU FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:11(A)
3			FACO	
4.				Total Number of DominantSpecies Across All Strata:55(B)
5.				
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B)
7.				Prevalence Index worksheet:
	70	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Rhamnus cathartica	20	Yes	FAC	FACW species 0 x 2 = 0
2. Lonicera sempervirens	40	Yes	FACU	FAC species x 3 = 60
3.				FACU species 130 x 4 = 520
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 150 (A) 580 (B)
6.				Prevalence Index = B/A = 3.87
7.				Hydrophytic Vegetation Indicators:
	60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Artemisia vulgaris	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11 12.				and greater than or equal to 3.28 ft (1 m) tall.
12	20	=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: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No x
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				1
···· (··· ····) ····· ···············				

SOIL	
------	--

·	Matrix			x Featu		~		
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	10yr 4/2	100					Loamy/Clayey	
7-16	10yr 3/1						Loamy/Clayey	
	,							
			<u> </u>					
						· •		
							·	
						······ ·		
							·	
				_				
						····· ·		
		ation DM	-Deduced Metrix	10-Mag				e Lining M-Matrix
Type: C=Co Tydric Soil II	ncentration, D=Depl	etion, Rivi	-Reduced Matrix, h	vis=ivias	sked San	d Grains.		re Lining, M=Matrix. bblematic Hydric Soils ³ :
Histosol (Polyvalue Belc	w Surfa	ice (S8) (RR R.		10) (LRR K, L, MLRA 149B)
	ipedon (A2)	-	MLRA 149B		(00)(Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	<i>'</i>) (LRR R	MLRA 1		eat or Peat (S3) (LRR K, L, R
	n Sulfide (A4)	-	High Chroma S					ow Surface (S8) (LRR K, L)
	Layers (A5)	-	Loamy Mucky					face (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed					se Masses (F12) (LRR K, L, F
Thick Da	rk Surface (A12)	-	Depleted Matri	x (F3)			Piedmont Floo	odplain Soils (F19) (MLRA 14 9
Sandy Mi	ucky Mineral (S1)	-	Redox Dark Su	urface (F	-6)		Mesic Spodic	(TA6) (MLRA 144A, 145, 149)
	leyed Matrix (S4)	-	Depleted Dark				Red Parent M	aterial (F21)
	edox (S5)	-	Redox Depres		8)			Dark Surface (F22)
	Matrix (S6)	-	Marl (F10) (LR	R K, L)			Other (Explain	i in Remarks)
Dark Surf	face (S7)							
Indiantara of	budrophytic vogotat	ion and w	atland bydralagy m	uot ho n	rocent u	alaaa diati	urbad ar problematic	
	.ayer (if observed):	ion and we	etiano nyorology mi	ust be p	resent, u	ness aist	urbed or problematic.	
Type:	ayer (il observed).							
	abaa):						Hydric Soil Present?	Yes No x
Depth (In	ches):						Hydric Soll Present?	tes no x



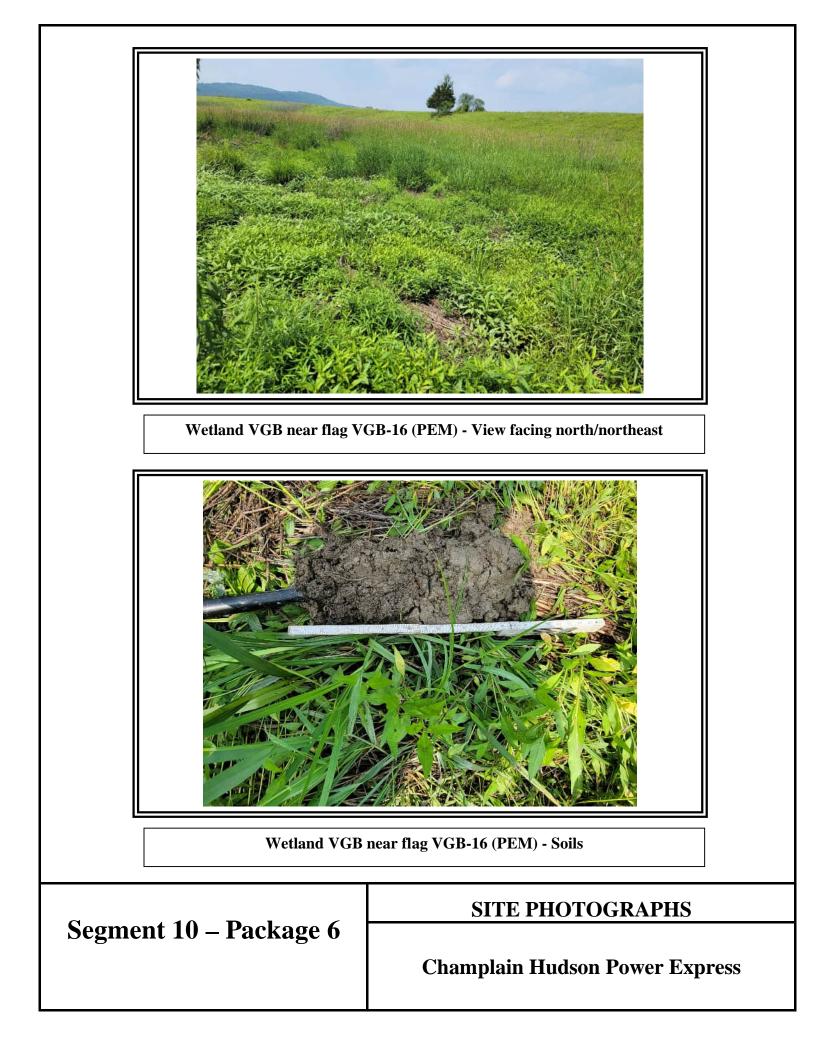
U.S. Army Corps of EngineersOMB Control #: 0710-0024, Exp: 11/30/2024WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region See ERDC/EL TR-12-1; the proponent agency is CECW-CO-ROMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)								
	Long: <u>-73</u> Yes <u>x</u> bed? Are "Normal C	State: NY Sampling Point: Wet VGB-16 nip, Range:						
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes X No Is the Sampled Area Hydric Soil Present? Yes X No If yes, optional Wetland? Yes X No Wetland Hydrology Present? Yes X No If yes, optional Wetland Site ID: Near flag VGB-16 Remarks: (Explain alternative procedures here or in a separate report.) Shallow emergent marsh. Shallow for the flag VGB-16								
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) X Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) X Saturation (A3) Water Marks (B1) Hydrogen Sulfide Odor (f Sediment Deposits (B2) X Drift Deposits (B3) Presence of Reduced Iro Algal Mat or Crust (B4) Recent Iron Reduction in Iron Deposits (B5) Thin Muck Surface (C7)	39) C1) Dn Living Roots (C3) Dn (C4) Tilled Soils (C6)	Condary Indicators (minimum of two required) Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7) X Other (Explain in Remark Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes X No Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes X No Depth (inches): Saturation Present? Yes X No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, preventional stream. Remarks: Adjacent to Stream. Adjacent to Stream.		_Microtopographic Relief (D4) _FAC-Neutral Test (D5) /drology Present? Yes X No able:						

Sampling Point: Wet VGB-16

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:2 (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species X 1 =75
1				FACW species 25 x 2 = 50
2				FAC species 0 x 3 = 0
3				FACU species x 4 =
4				UPL species 0 x 5 = 0
5				Column Totals: 100 (A) 125 (B)
6				Prevalence Index = B/A = 1.25
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Carex vulpinoidea	40	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Lythrum salicaria	20	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Phalaris arundinacea	15	No	FACW	data in Remarks or on a separate sheet)
4. Solidago gigantea	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Eutrochium maculatum	5	No	OBL	¹ Indicators of hydric soil and wetland hydrology must be
6. Scirpus atrovirens	5	No	OBL	present, unless disturbed or problematic.
7. Carex crinita	5	No	OBL	Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9.				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover	_	of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

SOIL

Profile Description: (Describe to the de Depth Matrix				x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-10	10YR 4/1	85	10YR 4/6	15	С	PL/M	Loamy/Clayey	Prominent redox concentrations	
10-17	10YR 4/1	80	10YR 5/6	20	С	М	Mucky Loam/Clay	Prominent redox concentrations	
¹ Type: C=C	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	/IS=Mask	ked Sand	Grains.	² Location: F	PL=Pore Lining, M=Matrix.	
Black Hi Hydroge Stratified Depleted Thick Da Mesic S (MLR Sandy M Sandy R Sandy R Stripped	(A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) podic (A17) RA 144A, 145, 149B) Aucky Mineral (S1) Bleyed Matrix (S4) Redox (S5) d Matrix (S6)	ə (A11)	Dark Surface (Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri Redox Dark Su Depleted Dark Redox Depres Marl (F10) (LR Red Parent Ma	w Surfac) ace (S9) Sands (S Mineral (Matrix (F ax (F3) urface (F Surface sions (F R K, L)	(LRR R 111) (LRF F1) (LRF F2) 6) (F7) 3)	, MLRA [.] R K, L) R K, L)	2 cm Mi Coast P 5 cm Mi Polyvalu Thin Da Iron-Ma Piedmo Red Pa Very Sh Other (E	for Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B) Prairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) ark Surface (S9) (LRR K, L) unganese Masses (F12) (LRR K, L, R) ont Floodplain Soils (F19) (MLRA 149B) rent Material (F21) (outside MLRA 145 nallow Dark Surface (F22) Explain in Remarks) ors of hydrophytic vegetation and nd hydrology must be present, as disturbed or problematic.	
Type: Depth (i	Layer (if observed): 						Hydric Soil Prese	ent? Yes <u>X</u> No	
Remarks: Remarks:									

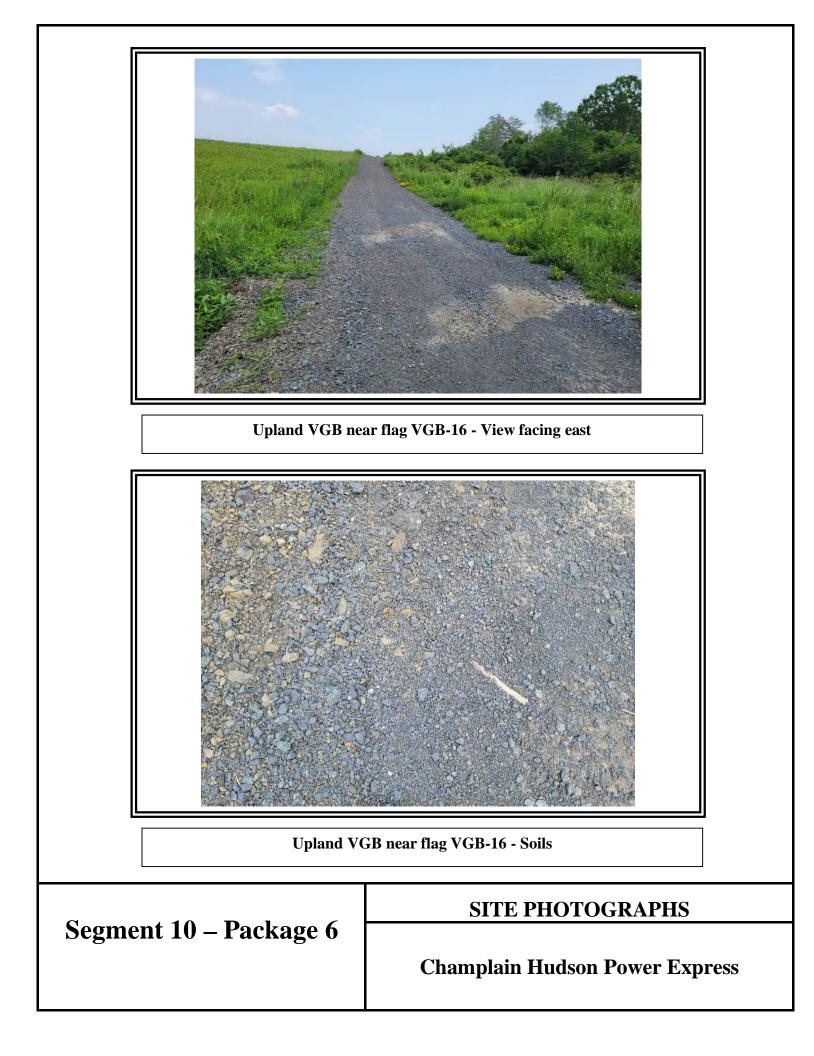


U.S. Army WETLAND DETERMINATION DATA See ERDC/EL TR-12-1; the	-	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)						
Project/Site: <u>CHPE - Segment 10 - Package</u> Applicant/Owner: TDI	≥6	City/County: Coxsackie /						
		Oration Townol	State: <u>NY</u> Sampling Point: <u>Upl VGB-16</u>					
Investigator(s): C.Scrivner & C. Einstein		Section, Townsh						
Landform (hillside, terrace, etc.): Flat		relief (concave, convex, no	· ·					
Subregion (LRR or MLRA): LRR R	Lat: 42.382127° N	Long: -73	3.824019° W Datum: WGS84					
Soil Map Unit Name: Co: Covington and Mac	dalin soils		NWI classification: NA					
Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)								
Are Vegetation, Soil, or Hydro	ologysignificantly disturb	oed? Are "Normal (Circumstances" present? Yes x No					
Are Vegetation, Soil, or Hydro	ology naturally problema	itic? (If needed, ex	plain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach	site map showing sam	pling point location	s, transects, important features, etc.					
		····· 3 ·····	-,,,,,,					
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 <u>No X</u>	If yes, optional Wetland	d Site ID:					
Remarks: (Explain alternative procedures he	ere or in a separate report.)							
Unpaved road/stone lined path								
HYDROLOGY								
Wetland Hydrology Indicators:		Se	condary Indicators (minimum of two required)					
Primary Indicators (minimum of one is require	ed check all that apply)	<u></u>	_Surface Soil Cracks (B6)					
Surface Water (A1)	Water-Stained Leaves (E	39)	Drainage Patterns (B10)					
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)						
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)						
Water Marks (B1)	Hydrogen Sulfide Odor (
Sediment Deposits (B2)	Oxidized Rhizospheres o							
Drift Deposits (B3)	Presence of Reduced Iro							
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	_Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B	· · · ·	(S)	_Microtopographic Relief (D4) FAC-Neutral Test (D5)					
	0)	<u> </u>						
Field Observations: Surface Water Present? Yes	No V Dopth (inchos):							
Surface Water Present? Yes Water Table Present? Yes	No X Depth (inches): No X Depth (inches):							
Saturation Present? Yes	No X Depth (inches):		ydrology Present? Yes No X					
(includes capillary fringe)		·						
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if avail	able:					
	-	-						
Remarks:								

Sampling Point: Upl VGB-16

Tree Stratum (Plot size: 30')		ominant Species?	Indicator Status	Dominance Test worksheet:	
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
3 4				Total Number of Dominant Species Across All Strata:	(B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:	(A/B)
7				Prevalence Index worksheet:	
	=To	tal Cover		Total % Cover of:	Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species	x 1 =
1				FACW species	x 2 =
2.				FAC species	x 3 =
3.				FACU species	x 4 =
4.				UPL species	x 5 =
5.				Column Totals:	
				Prevalence Index = B/A	
				Hydrophytic Vegetation Indic	
/		tal Cover		1 - Rapid Test for Hydroph	
Herb Stratum (Plot size: 5')	=10	tal Cover		2 - Dominance Test is >50	
1				3 - Prevalence Index is ≤3.	
2				4 - Morphological Adaptati data in Remarks or on a	
3					
4				Problematic Hydrophytic V	egetation' (Explain)
5				¹ Indicators of hydric soil and we present, unless disturbed or pr	
7.				Definitions of Vegetation Stra	ata:
8.				Tree Weedwalants 2 in (7.0	
9.				Tree – Woody plants 3 in. (7.6 at breast height (DBH), regard	
10 11				Sapling/shrub – Woody plants and greater than or equal to 3.	
12		tal Cover		Herb – All herbaceous (non-wo	
	=10	tal Cover		of size, and woody plants less	inan 3.28 it ian.
Woody Vine Stratum (Plot size: 30') 1.				Woody vines – All woody vine height.	s greater than 3.28 ft in
2					
3.				Hydrophytic Vegetation	
4.				Present? Yes	No X
	=To	tal Cover			
Remarks: (Include photo numbers here or on a separ Rock/Stone no veg.	ate sheet.)				

Profile Desc	ription: (Describe t	o the dep	th needed to docu	iment th	e indica	tor or co	nfirm the absence of	indicators.)	
Depth	Matrix		Redo	x Featur	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
¹ Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, M	IS=Mask	ed Sand	Grains.	² Location: P	L=Pore Lining, M=Ma	ıtrix.
Hydric Soil	Indicators:						Indicators for	or Problematic Hydr	ic Soils ³ :
Histosol	(A1)		Dark Surface (S7)			2 cm Mu	uck (A10) (LRR K, L, I	MLRA 149B)
Histic Ep	pipedon (A2)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	Coast P	rairie Redox (A16) (Ll	RR K, L, R)
Black Hi			MLRA 149B					ucky Peat or Peat (S3)	
	n Sulfide (A4)		Thin Dark Surf	, ace (S9)	(LRR R	MLRA 1		e Below Surface (S8)	
	d Layers (A5)		High Chroma S					rk Surface (S9) (LRR	
	d Below Dark Surface	(A11)	Loamy Mucky					nganese Masses (F12	
	ark Surface (A12)	. (/ (11)	Loamy Gleyed			(1(, =)		nt Floodplain Soils (F1	
					12)				
	podic (A17)		Depleted Matri	. ,	-c)			ent Material (F21) (ou	
	A 144A, 145, 149B)		Redox Dark Si					allow Dark Surface (F	22)
· ·	lucky Mineral (S1)		Depleted Dark				Other (E	xplain in Remarks)	
	Bleyed Matrix (S4)		Redox Depres	•	8)		3		
	edox (S5)		Marl (F10) (LR					ors of hydrophytic veg	
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	21) (MLF	RA 145)		nd hydrology must be	•
							unless	s disturbed or problem	natic.
Restrictive	Layer (if observed):								
Туре:	Roc	:k							
Depth (ii	nches):	0					Hydric Soil Preser	nt? Yes	<u>No X</u>
	·						-		
Remarks: Remarks:									
Remarks.									



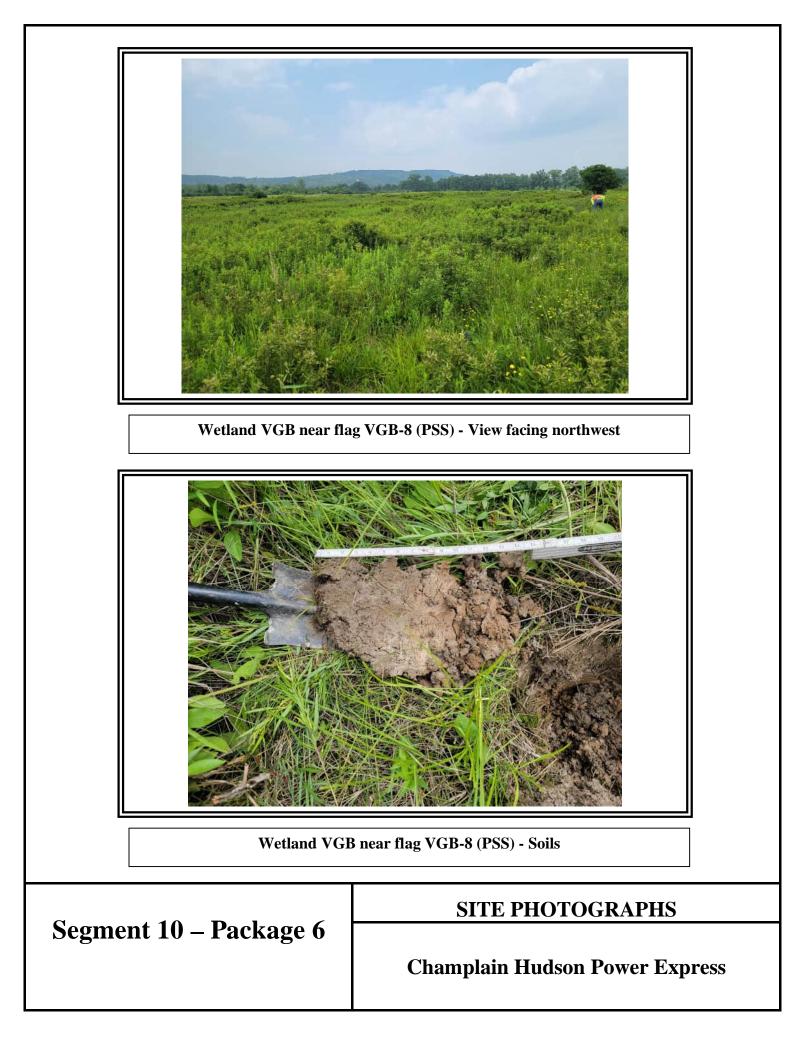
U.S. Army Corps of Engineer WETLAND DETERMINATION DATA SHEET – Northcentr See ERDC/EL TR-12-1; the proponent agency	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)						
	Local relief (concave, conve	State: NY Sampling Point: <u>Wet VGB-8</u> wnship, Range:					
Subregion (LRR or MLRA): LRR R Lat: 42.385721 Soil Map Unit Name: KrA: Kingsbury and Rhinebeck soils, 0 to 3 per	°	-73.822755° W Datum: WGS84 NWI classification: PSS1					
Soil Map Unit Name: KrA: Kingsbury and Rninebeck soils, 0 to 3 percent slopes NVI classification: PSS1 Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No							
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	Is the Sampled A within a Wetland If yes, optional We						
Shrub swamp HYDROLOGY							
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil Cracks (B6)					
Surface Water (A1) Water-Stained Le	aves (B9)	Drainage Patterns (B10)					
High Water Table (A2) Aquatic Fauna (B		Moss Trim Lines (B16)					
Saturation (A3) Marl Deposits (B1	5)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide	Odor (C1)	Crayfish Burrows (C8)					
Sediment Deposits (B2) Oxidized Rhizospl	heres on Living Roots (C3)	n Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3) Presence of Redu	uced Iron (C4)	Stunted or Stressed Plants (D1)					
	ction in Tilled Soils (C6)	Geomorphic Position (D2)					
Iron Deposits (B5)	. ,	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in I	Remarks)	X Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (D5)					
Field Observations: Surface Water Present? Yes No X Depth (in Water Table Present? Yes No X Depth (in Saturation Present? Yes X No Depth (in (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photon	nches): hches): Wetlan	d Hydrology Present? Yes X No available:					
Remarks:							

Sampling Point: Wet VGB-8

Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
			Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
	·		
	·		Total Number of Dominant Species Across All Strata: 3 (B)
			Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B
	·		Prevalence Index worksheet:
	=Total Cover		Total % Cover of: Multiply by:
)	•		OBL species 37 x 1 = 37
, 60	Yes	FAC	FACW species $0 x 2 = 0$
10			FAC species 88 x 3 = 264
			FACU species 10 $x 4 = 40$
	·		UPL species $0 \times 5 = 0$
	·		Column Totals: 135 (A) 341 (B
	·		Prevalence Index = $B/A = 2.53$
			Hydrophytic Vegetation Indicators:
70	-Total Covor		1 - Rapid Test for Hydrophytic Vegetation
			X 2 - Dominance Test is >50%
30	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^{1}$
	• •		4 - Morphological Adaptations ¹ (Provide supportir
			data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation ¹ (Explain)
			¹ Indicators of hydric soil and wetland hydrology must l present, unless disturbed or problematic.
			Definitions of Vegetation Strata:
	·		Tree – Woody plants 3 in. (7.6 cm) or more in diamet at breast height (DBH), regardless of height.
			Conting (charter Mancher Jacobier Conting DD)
			Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
			Herb – All herbaceous (non-woody) plants, regardles
65	=Total Cover		of size, and woody plants less than 3.28 ft tall.
)			Woody vines – All woody vines greater than 3.28 ft in height.
)			Woody vines – All woody vines greater than 3.28 ft in height.
			height. Hydrophytic
			height.
) 60 10 10 70 30 25 5 3 2 	=Total Cover 60 Yes 10 No 60 Yes 10 No 70 =Total Cover 30 Yes 25 Yes 5 No 3 No 2 No 10 No	=Total Cover =Total Cover 60 Yes FAC 10 No FACU 10 No FACU 70 =Total Cover 30 Yes OBL 25 Yes FAC 5 No OBL 3 No FAC 2 No OBL 3 No FAC 2 No OBL

SOIL

Depth	cription: (Describe t Matrix	o the dep		ment the x Featur		or or co	nfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 5/2	95	10YR 5/6	5	С	М	Loamy/Clayey	Prominent redox concentrations
6-16	7.5YR 5/2	60	7.5YR 4/6	40	С	м	Loamy/Clayey	Prominent redox concentrations
	·							
Hydric Soil Histosol Histic Ep Black Hi Hydroge Stratified Depleted Thick Da Mesic S (MLR Sandy M Sandy R			EReduced Matrix, M Dark Surface (Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR Red Parent Ma	S7) w Surfac) ace (S9) Sands (S Mineral (Matrix (F x (F3) urface (F Surface sions (F8 R K, L)	ce (S8) (I (LRR R (11) (LRF (F1) (LRF (F1) (LRF (F2) (F7) 3)	LRR R, , MLRA 1 R K, L) R K, L)	Indicators 2 cm M Coast I 5 cm M Polyval Thin Da Iron-Ma Piedmo Red Pa Very Sl Other (³ Indicat wetla	PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ : Muck (A10) (LRR K, L, MLRA 149B) Prairie Redox (A16) (LRR K, L, R) Mucky Peat or Peat (S3) (LRR K, L, R) Iue Below Surface (S8) (LRR K, L) ark Surface (S9) (LRR K, L) anganese Masses (F12) (LRR K, L, R) ont Floodplain Soils (F19) (MLRA 149B) arent Material (F21) (outside MLRA 145) hallow Dark Surface (F22) (Explain in Remarks) tors of hydrophytic vegetation and and hydrology must be present,
Type: Depth (ii	Layer (if observed): 						unle: Hydric Soil Prese	ss disturbed or problematic. ent? Yes X No
Remarks: Remarks:								

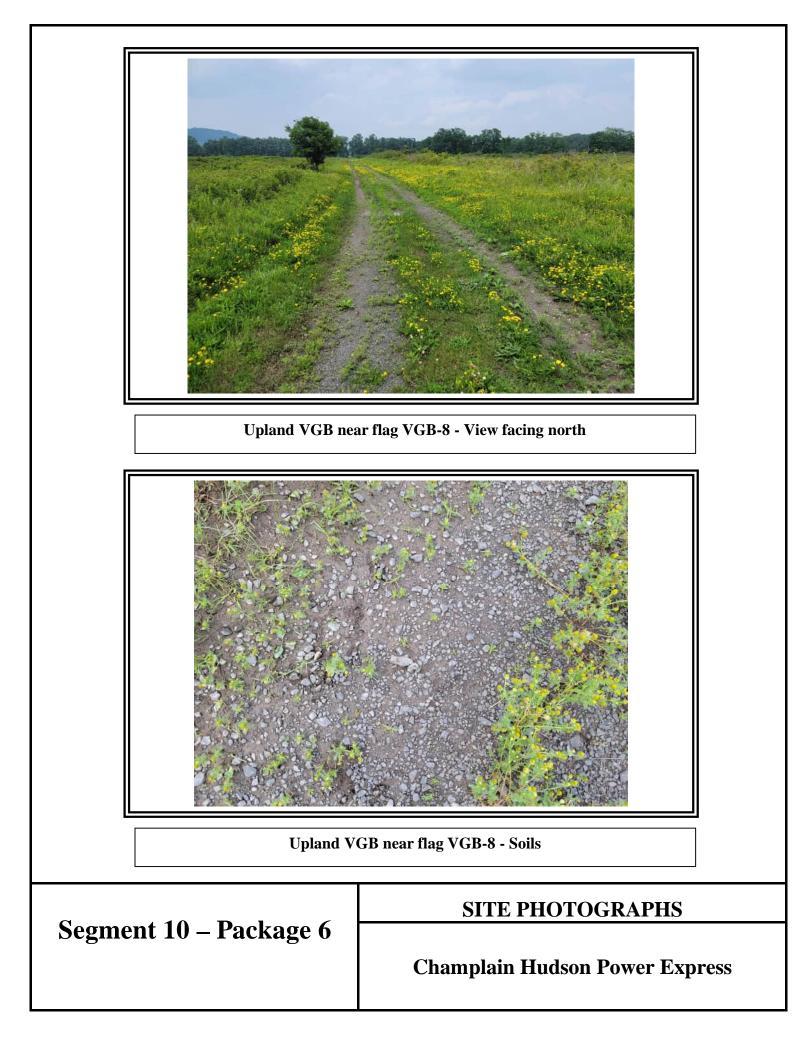


U.S. Army C WETLAND DETERMINATION DATA S See ERDC/EL TR-12-1; the			OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)					
Project/Site: CHPE - Segment 10 - Package 6 City/County: Coxsackie / Greene Sampling Date: 06/29/23								
Applicant/Owner: TDI	<u> </u>	Only County Concernant	State: NY Sampling Point: Upl VGB-8					
		Section Townsh						
Investigator(s): C.Scrivner & C. Einstein		Section, Townsh	· •					
Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope %: 0								
Subregion (LRR or MLRA): LRR R Lat: 42.385267° N Long: -73.822566° W Datum: WGS84								
Soil Map Unit Name: KrA: Kingsbury and Rhinebeck soils, 0 to 3 percent slopes NWI classification: NA								
Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)								
Are Vegetation, Soil, or Hydrold	ogysignificantly disturb	ed? Are "Normal C	ircumstances" present? Yes x No					
Are Vegetation, Soil, or Hydrold			plain any answers in Remarks.)					
			s, transects, important features, etc.					
	ite map showing same	bing point locations						
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						
Remarks: (Explain alternative procedures her Unpaved road/stone lined path/ old farm road.								
HYDROLOGY								
Wetland Hydrology Indicators:		Sec	ondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required	d; check all that apply)		Surface Soil Cracks (B6)					
Surface Water (A1)	Water-Stained Leaves (B		Drainage Patterns (B10)					
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)					
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C		Crayfish Burrows (C8)					
Sediment Deposits (B2)	Oxidized Rhizospheres of		Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Reduced Iro Recent Iron Reduction in		Stunted or Stressed Plants (D1) Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7)		(5)	Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B8			FAC-Neutral Test (D5)					
Field Observations:	,							
Surface Water Present? Yes	No X Depth (inches):							
	No X Depth (inches):							
Saturation Present? Yes	No X Depth (inches):		drology Present? Yes No X					
(includes capillary fringe)								
Describe Recorded Data (stream gauge, moni	toring well, aerial photos, prev	vious inspections), if availa	ble:					
Remarks:								

Sampling Point: Upl VGB-8

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: 0 (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2.		·		FAC species 5 x 3 = 15
2				FACU species 75 x 4 = 300
		·		UPL species $0 \times 5 = 0$
4 5.		·		Column Totals: 80 (A) 315 (B)
6		·		$\frac{B}{A} = \frac{B}{A} = \frac{3.94}{B}$
7		·		Hydrophytic Vegetation Indicators:
<i>I</i>		Tatal Cause		
Ligh Charter (Dist size)		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')			54.011	2 - Dominance Test is >50%
1. <u>Medicago lupulina</u>	30	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Lotus corniculatus	25	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Trifolium pratense	10	No	FACU	
4. Galium boreale	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
 Plantago lanceolata Plantago major 	<u>5</u> 5	No No	FACU FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.		·		-
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11		. <u> </u>		and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	80	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in height.
		·		
2		·		Hydrophytic
3.				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Profile Desc	ription: (Describe t	o the dep	oth needed to docu	ment th	ne indicat	or or co	nfirm the absence of	indicators.)	
Depth	Matrix		Redo	x Featu	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
					·				
				_					
					·				
					·				
¹ Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	S=Mask	ed Sand	Grains.		L=Pore Lining, M=Ma	
Hydric Soil I	ndicators:						Indicators for	or Problematic Hydr	ic Soils ³ :
Histosol	(A1)		Dark Surface (S7)			2 cm Mu	ick (A10) (LRR K, L,	MLRA 149B)
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfa	ce (S8) (L	.RR R,	Coast Pr	rairie Redox (A16) (Ll	RR K, L, R)
Black His	stic (A3)		MLRA 149B)			5 cm Mu	icky Peat or Peat (S3)) (LRR K, L, R)
Hydroge	n Sulfide (A4)		Thin Dark Surf	ace (S9)) (LRR R,	MLRA 1	49B) Polyvalu	e Below Surface (S8)	(LRR K, L)
	Layers (A5)		High Chroma	Sands (S	611) (LR F	K, L)	Thin Dar	rk Surface (S9) (LRR	K, L)
	Below Dark Surface	e (A11)	Loamy Mucky					nganese Masses (F12	
	rk Surface (A12)	()	Loamy Gleyed			. ,		nt Floodplain Soils (F1	
	podic (A17)		Depleted Matri		,			ent Material (F21) (ou	
	A 144A, 145, 149B)		Redox Dark S		6)			allow Dark Surface (F	
	lucky Mineral (S1)		Depleted Dark					Explain in Remarks))
	leyed Matrix (S4)		Redox Depres						
	edox (S5)		Marl (F10) (LR		0)		³ Indicato	ors of hydrophytic veg	otation and
					04) /MI D	A 44E)			
Supped	Matrix (S6)		Red Parent Ma	ateriai (F		A 145)		nd hydrology must be	
							unless	s disturbed or problem	natic.
	ayer (if observed):								
Туре:	Roc	k							
Depth (ir	nches):	0					Hydric Soil Preser	nt? Yes	<u>No X</u>
Remarks:									
Remarks:									

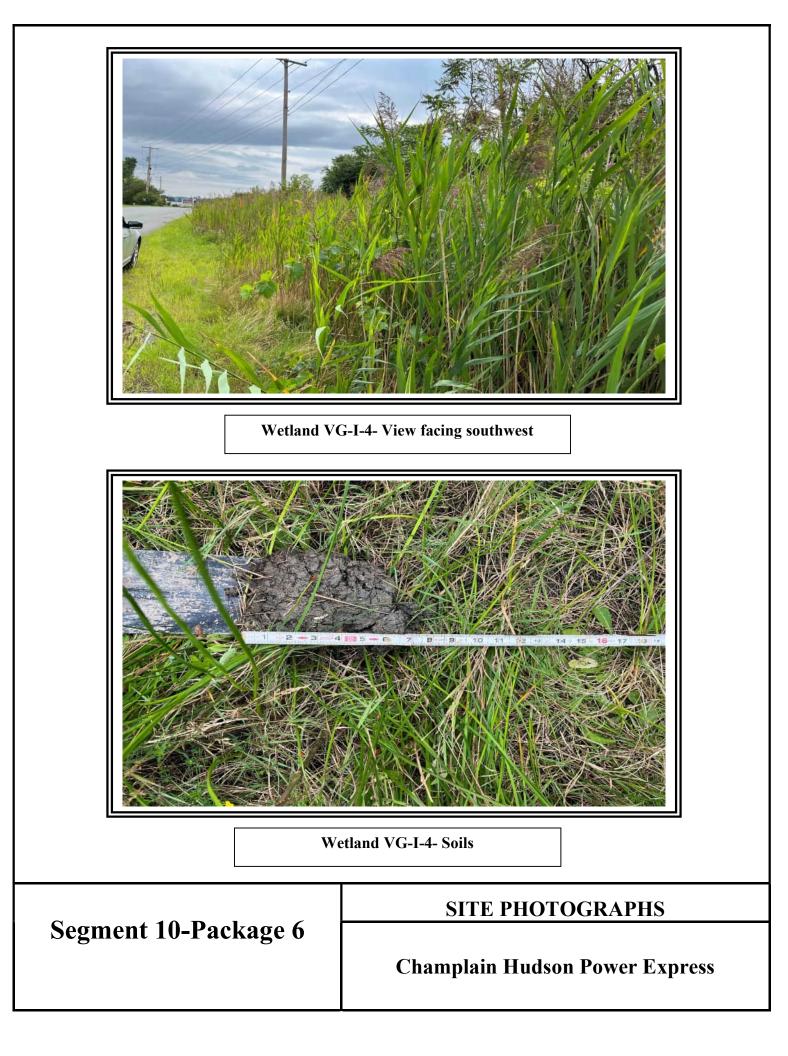


U.S. Army WETLAND DETERMINATION DATA See ERDC/EL TR-12-1; th		-	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
Project/Site: <u>CHPE - Segment 10 - Packag</u> Applicant/Owner: <u>TDI</u>	e 6	City/County: New Baltin	nore/Greene Sampling Date: <u>8/28/23</u> State: <u>NY</u> Sampling Point: <u>VG-I-4 wet</u>
Investigator(s): N. Frazer & C. Einstein		Section, Towns	ship, Range:
Landform (hillside, terrace, etc.): depressi	on Local r	elief (concave, convex, r	none): none Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 42.383228	Long: -7	3.832704 Datum: WGS84
Soil Map Unit Name: NuC- Nunda silt loam			NWI classification: PEM
Are climatic / hydrologic conditions on the sit	e typical for this time of year?	Yes x	No (If no, explain in Remarks.)
Are Vegetation , Soil x , or Hydr			Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydr			xplain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach	n site map showing sam	pling point locatio	ns, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes X No Yes X No	Is the Sampled Area within a Wetland?	Yes <u>X</u> No
Wetland Hydrology Present?	Yes X No	If yes, optional Wetlar	nd Site ID:
Remarks: (Explain alternative procedures f common reed marsh/linear vegetated wetla		ide	
HYDROLOGY			
Wetland Hydrology Indicators:		<u>Se</u>	econdary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ			Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (E		Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	_	Moss Trim Lines (B16)
Saturation (A3) Water Marks (B1)	Marl Deposits (B15) Hydrogen Sulfide Odor (C1) —	_Dry-Season Water Table (C2) Crayfish Burrows (C8)
Sediment Deposits (B2)	X Oxidized Rhizospheres of		Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Irc	• · · _	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in		Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remark	ks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	_	FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No x Depth (inches):		
Water Table Present? Yes	No x Depth (inches):		
Saturation Present? Yes	No x Depth (inches):	Wetland H	lydrology Present? Yes X No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, pre	evious inspections), if ava	ailable:
Remarks:			

Sampling Point: VG-I-4 wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata:2(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species15 x 1 =15
1				FACW species 90 x 2 = 180
2.				FAC species $0 \times 3 = 0$
3.				FACU species 7 x 4 = 28
4.				UPL species $0 \times 5 = 0$
5				Column Totals: 112 (A) 223 (B)
6				Prevalence Index = $B/A = 1.99$
7.				Hydrophytic Vegetation Indicators:
··		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Harb Stratum (Distaire) 5'				
Herb Stratum (Plot size: 5')	00	Mar	EA 014/	2 - Dominance Test is >50%
1. Phragmites australis	90	Yes	FACW	X 3 - Prevalence Index is $≤3.0^{1}$
2. Lythrum salicaria		No	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. <u>Dipsacus fullonum</u>	2	No	FACU	
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	107	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				
1. Vitis labrusca	5	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft in height.
3.				Hydrophytic
				Vegetation Present? Yes X No
4		Tatal Osuar		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe t	o the dep	th needed to docu	iment tl	he indica	tor or co	onfirm the absence o	of indicators.)	
Depth	Matrix			k Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-8	10YR 4/1	90	10YR 4/6	10	С	PL/M	Loamy/Clayey	Prominent redox cor	centrations
Hydric Soil I Histosol Histoc Ep Black His Hydroge Stratified Depleted Thick Da Mesic Sp (MLR Sandy M Sandy G Sandy R Sandy R	(A1) bipedon (A2)	-	Reduced Matrix, M Dark Surface (Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed X Depleted Matrii Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR Red Parent Ma	S7) w Surfa) ace (S9) Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)	ce (S8) (I) (LRR R 611) (LRI (F1) (LRI F2) ⁷⁶) : (F7) 8)	LRR R, , MLRA 1 R K, L) R K, L)	Indicators f 2 cm Mu Coast P 5 cm Mu Polyvalu Thin Da Iron-Mai Piedmoi Red Par Very Sh Other (E	PL=Pore Lining, M=Matrix for Problematic Hydric S for Problematic Hydric S fuck (A10) (LRR K, L, ML trairie Redox (A16) (LRR ucky Peat or Peat (S3) (L ucky Peat or Peat (S3) (L ucky Peat or Peat (S3) (L use Below Surface (S8) (L rk Surface (S9) (LRR K, nganese Masses (F12) (nt Floodplain Soils (F19) rent Material (F21) (outs hallow Dark Surface (F22 Explain in Remarks) fors of hydrophytic vegeta and hydrology must be pre- s disturbed or problemati	Soils ³ : RA 149B) K, L, R) RR K, L, R) RR K, L) L) LRR K, L, R) (MLRA 149B) ide MLRA 145)) tion and esent,
Type:	rock	S							
Depth (ir	nches):	8					Hydric Soil Prese	nt? Yes X	No
Remarks: disturbed roc	ky soil along roadsid	e							

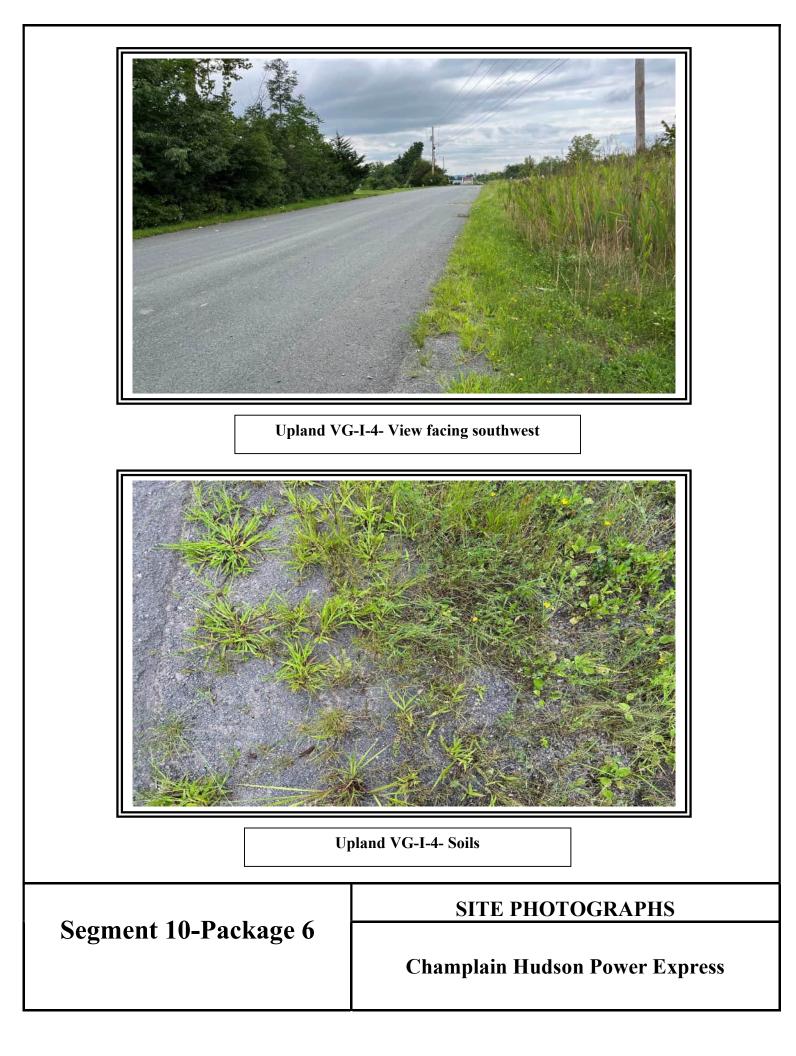


U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Northcentra See ERDC/EL TR-12-1; the proponent agency i	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)								
Project/Site: CHPE - Segment 10 - Package 6	City/County: New Balti	more/Greene Sampling Date: 8/28/23							
Applicant/Owner: TDI State: NY Sampling Point: VG-I-4 u									
Investigator(s): N. Frazer & C. Einstein Section, Township, Range:									
Landform (hillside, terrace, etc.): roadside Local relief (concave, convex, none): none Slope %: 0									
Subregion (LRR or MLRA): LRR R Lat: 42.383185	73.832661 Datum: WGS84								
Soil Map Unit Name: NuC-Nunda silt Ioam NWI classification: n/a									
Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)									
Are Vegetation <u>x</u> , Soil <u>x</u> , or Hydrology significantly of		Circumstances" present? Yes x No							
Are Vegetation, Soil, or Hydrologynaturally prof	elematic? (If needed,	explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing	sampling point location	ons, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X	a Yes No X Ind Site ID:								
HYDROLOGY Wetland Hydrology Indicators:	<u>S</u>	econdary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil Cracks (B6)							
Surface Water (A1)Water-Stained Lea	· · · · -	Drainage Patterns (B10)							
High Water Table (A2) Aquatic Fauna (B13) Saturation (A3) Marl Deposits (B15)	-	Moss Trim Lines (B16) Dry-Season Water Table (C2)							
Water Marks (B1) Hydrogen Sulfide C		Crayfish Burrows (C8)							
	eres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)							
Drift Deposits (B3)		Stunted or Stressed Plants (D1)							
	ion in Tilled Soils (C6)	Geomorphic Position (D2)							
Iron Deposits (B5) Thin Muck Surface	(C7)	Shallow Aquitard (D3)							
Inundation Visible on Aerial Imagery (B7) Other (Explain in R	emarks)	Microtopographic Relief (D4)							
Sparsely Vegetated Concave Surface (B8)	_	FAC-Neutral Test (D5)							
Field Observations:									
Surface Water Present? Yes No x Depth (incl	·								
Water Table Present? Yes No x Depth (inc	·								
Saturation Present? Yes No x Depth (inclusion of the second secon	Nes): Wetland	Hydrology Present? Yes <u>No X</u>							
(includes capillary fringe)		reilable:							
Describe Recorded Data (stream gauge, monitoring well, aerial photo	s, previous inspections), if a	allaule.							
Remarks:									

Sampling Point: VG-I-4 upl

	Absolute	Dominant	Indicator	Denvinence Testandadest
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: 2 (B)
5.				
6				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
/:		Tatal Oau		
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1				FACW species 0 x 2 = 0
2				FAC species x 3 = 30
3.				FACU species 71 x 4 = 284
4.				UPL species 1 x 5 = 5
F				Column Totals: 82 (A) 319 (B)
				$\frac{1}{2} = \frac{1}{2} = \frac{1}$
· · · · · · · · · · · · · · · · · · ·				
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Digitaria sanguinalis	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Setaria pumila	10	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Lotus corniculatus	15	No	FACU	data in Remarks or on a separate sheet)
4. Trifolium repens	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
· · · · · · · · · · · · · · · · · · ·	25		FACU	
5. Plantago major		Yes		¹ Indicators of hydric soil and wetland hydrology must
6. Ambrosia artemisiifolia	5	No	FACU	be present, unless disturbed or problematic.
7. Trifolium pratense	1	No	FACU	Definitions of Vegetation Strata:
8. Daucus carota	1	No	UPL	Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10.				Conting/charter Woody plants loss than 2 in DDU
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
12.		-Total Causer		Herb – All herbaceous (non-woody) plants, regardless
	82	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30'</u>)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Demorika: (include nhete numbere here er en e sens				
Remarks: (Include photo numbers here or on a sepa	irate sneet.)			

Depth	Matrix			x Featu			onfirm the absence of indi	201013.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	arks
<u> </u>									
1					<u> </u>		2		
	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	MS=Mas	sked Sand	Grains.	² Location: PL=Po		
Hydric Soil			Daula Oracía a d	(07)			Indicators for Pro		
Histosol			Dark Surface ((00) (2 cm Muck (A		-
	pipedon (A2)		Polyvalue Belo		ace (58) (_RR R,	Coast Prairie I		
	istic (A3)		MLRA 149E	,					3) (LRR K, L, R)
	en Sulfide (A4)		Thin Dark Sur					ow Surface (S8	
	d Layers (A5) d Balaw Dark Surface	(111)	High Chroma					face (S9) (LRF	
	d Below Dark Surface	(ATT)	Loamy Mucky			κ κ, μ)			2) (LRR K, L, R)
Thick Dark Surface (A12) Loamy Gleyed Matrix (F2)									19) (MLRA 149B)
Mesic Spodic (A17) Depleted Matrix (F3) (MLRA 144A, 145, 149B) Redox Dark Surface (f								outside MLRA 145	
•					-		Very Shallow I		F22)
	/lucky Mineral (S1) Gleyed Matrix (S4)		Depleted Dark				Other (Explain	in Remarks)	
			Redox Depres	-			³ Indicators of I	avdrophytic vo	notation and
Sandy Redox (S5) Marl (F10) (LRR K, L) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 145)					0 1 1 1 5		rology must be	-	
Stripped Matrix (S6)Red Parent Mat			ateriai (i		(A 145)		rbed or proble		
Restrictive	Layer (if observed):								nauc.
Type:	grav								
	0						Ukuduja Caji Duasant2	Vaa	
Depth (Ir	nches):	0					Hydric Soil Present?	Yes	<u>No X</u>
Remarks:									
Remarks:									



U.S. Army Corps of Enginee WETLAND DETERMINATION DATA SHEET – Northcen See ERDC/EL TR-12-1; the proponent agend	tral and Northeast Region Requirement Control Symbol EXEMPT:							
Project/Site: CHPE - Segment 10 - Package 6 City/County: New Baltimore/Greene Sampling Date: 8/28/23								
Applicant/Owner: TDI	State: NY Sampling Point: VG-E-3 we							
Investigator(s): N. Frazer & C. Einstein	Section, Township, Range:							
Landform (hillside, terrace, etc.): depression	Local relief (concave, convex, none): concave Slope %: 1							
Subregion (LRR or MLRA): LRR R Lat: 42.383264	_ ` ` ` ` `							
Soil Map Unit Name: HvB- Hudson and Vergennes soils	NWI classification: PEM							
Are climatic / hydrologic conditions on the site typical for this time of								
Are Vegetation, Soil, or Hydrologysignificant								
Are Vegetation, Soil, or Hydrologynaturally p								
SUMMARY OF FINDINGS – Attach site map showin	ig sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area							
Hydric Soil Present? Yes X No	within a Wetland? Yes X No							
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:							
Remarks: (Explain alternative procedures here or in a separate reprocedures here or in a separate reprocedure here or in a separate re	Joit.)							
HYDROLOGY								
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that appl</u>	Secondary Indicators (minimum of two required) y) Surface Soil Cracks (B6)							
Surface Water (A1) Water-Stained L								
High Water Table (A2) Aquatic Fauna (
Saturation (A3) Marl Deposits (E	B15) Dry-Season Water Table (C2)							
Water Marks (B1) Hydrogen Sulfide								
	pheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)							
Drift Deposits (B3) Presence of Rec Algal Mat or Crust (B4) Recent Iron Red	duced Iron (C4) Stunted or Stressed Plants (D1) duction in Tilled Soils (C6) X Geomorphic Position (D2)							
Iron Deposits (B5)								
Inundation Visible on Aerial Imagery (B7) Other (Explain ir								
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)							
Field Observations:								
	inches):							
	inches):							
Saturation Present? Yes <u>No x</u> Depth (i (includes capillary fringe)	inches): Wetland Hydrology Present? Yes X No							
Describe Recorded Data (stream gauge, monitoring well, aerial pho								
	,,,,,							
Remarks:								

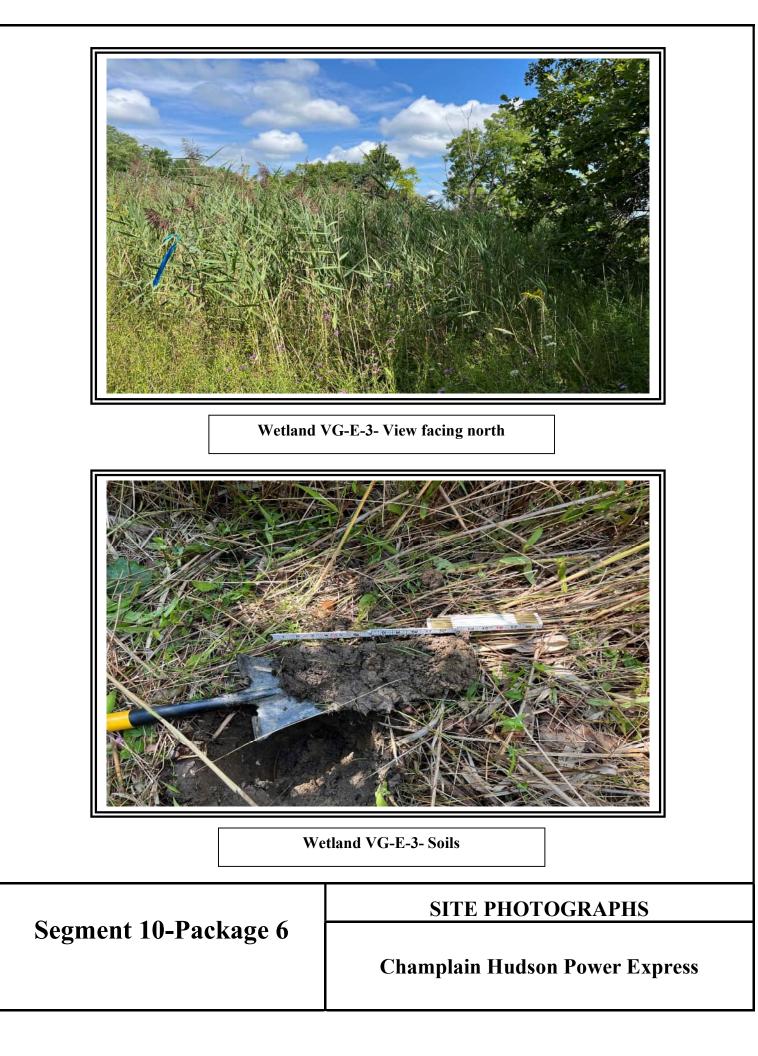
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Sampling Point: VG-E-3 wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Quercus bicolor 2.	15	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:4 (A)			
3. 4.				Total Number of Dominant Species Across All Strata:4(B)			
5				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)			
7				Prevalence Index worksheet:			
	15	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15')				OBL species <u>15</u> x 1 = <u>15</u>			
1. Fraxinus pennsylvanica	5	Yes	FACW	FACW species 110 x 2 = 220			
2. Rhamnus cathartica	8	Yes	FAC	FAC species 8 x 3 = 24			
3				FACU species x 4 =			
4				UPL species 0 x 5 = 0			
5				Column Totals: 133 (A) 259 (B)			
6				Prevalence Index = B/A =1.95			
7				Hydrophytic Vegetation Indicators:			
	13	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%			
1. Phragmites australis	90	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^1$			
2. Lythrum salicaria	15	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting			
3				data in Remarks or on a separate sheet)			
4				Problematic Hydrophytic Vegetation ¹ (Explain)			
5.				¹ Indicators of hydric soil and wetland hydrology must			
6.				be present, unless disturbed or problematic.			
7.				Definitions of Vegetation Strata:			
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter 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.		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size:30') 1.				Woody vines – All woody vines greater than 3.28 ft in height.			
2.							
3				Hydrophytic Vegetation			
4				Present? Yes X No			
		=Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)							
.							

SOIL

	ription: (Describe	to the dep				tor or co	onfirm the absence o	of indicators.)	
Depth	Matrix			x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-9	10YR 3/2	90	10YR 3/6	10	<u> </u>	PL	Loamy/Clayey	Prominent redox concentrations	
9-15	10YR 5/2	60	10YR 4/6	40			Loamy/Clayey	Prominent redox concentrations	
¹ Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, N	/IS=Masl	ked Sand	Grains.	² Location:	PL=Pore Lining, M=Matrix.	
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) X Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Mesic Spodic (A17) (MLRA 144A, 145, 149B) Sandy Mucky Mineral (S1) Sandy Redox (S5) Stripped Matrix (S6)			 Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 1 High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) X Depleted Matrix (F3) X Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Marl (F10) (LRR K, L) Red Parent Material (F21) (MLRA 145) 			, MLRA ² R K, L) R K, L)	Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Red Parent Material (F21) (outside MLRA 145) Very Shallow Dark Surface (F22) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.		
Depth (ir	non nches):						Hydric Soil Prese	ent? Yes X No	
Remarks: Remarks:							<u> </u>		

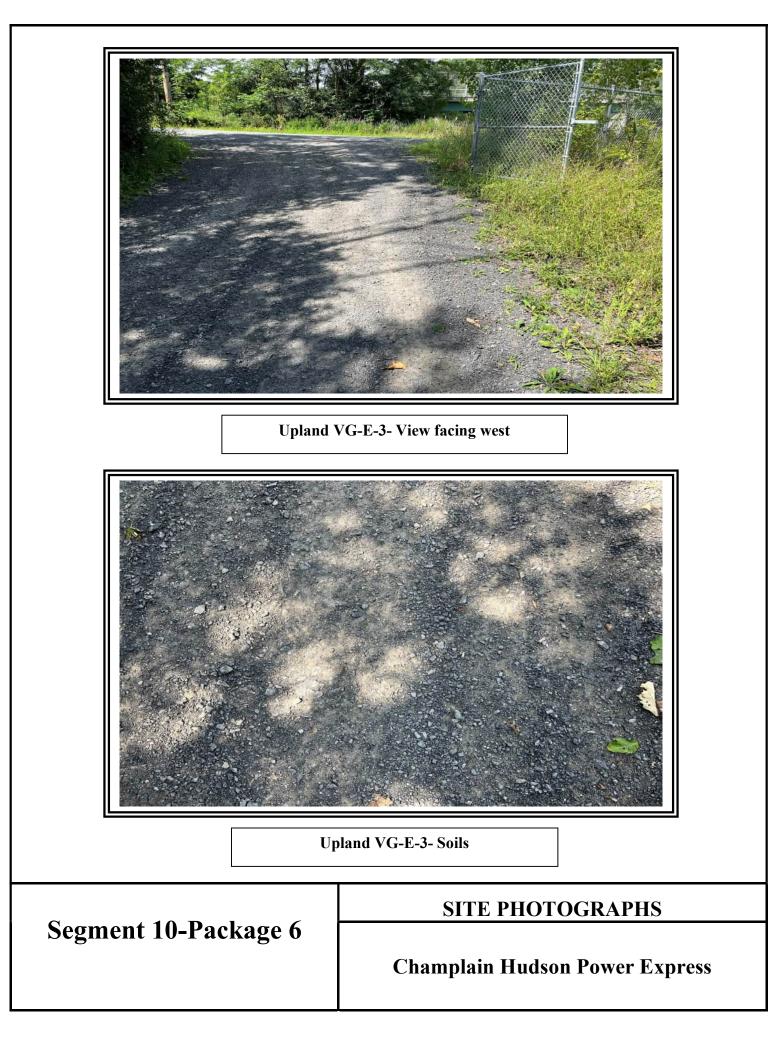


U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Northcentral an See ERDC/EL TR-12-1; the proponent agency is Cl	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)								
Project/Site: CHPE - Segment 10 - Package 6	_ City/County: New Baltim	ore/Greene	Sampling Date: 8/28/23						
Applicant/Owner: TDI		State: NY	Sampling Point: VG-E-3 upl						
Investigator(s): N. Frazer & C. Einstein	Section, Townsl	hip, Range:							
Landform (hillside, terrace, etc.): road Local relief (concave, convex, none): none Slope %:									
Subregion (LRR or MLRA): LRR R Lat: 42.383216 Long: -73.832425 Datum: W									
Soll Map Unit Name: HvB- Hudson and Vergennes soils NWI classification: n/a									
Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)									
Are Vegetation x , Soil x , or Hydrology significantly distur			ent? Yes x No						
Are Vegetation, Soil, or Hydrologynaturally problems		plain any answers ir							
SUMMARY OF FINDINGS – Attach site map showing sam	npling point location	ns, transects, in	nportant 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 Wetlan	d Site ID:							
HYDROLOGY									
			· · · · · · · · · · · · · · · · · · ·						
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	<u>Se</u>	Surface Soil Crack	minimum of two required)						
Surface Water (A1) Water-Stained Leaves ((B9)	_ Drainage Patterns							
High Water Table (A2) Aquatic Fauna (B13)		316)							
Saturation (A3) Marl Deposits (B15)		Table (C2)							
Water Marks (B1) Hydrogen Sulfide Odor	(C1)	C8)							
Sediment Deposits (B2) Oxidized Rhizospheres	on Living Roots (C3) Saturation Visible on Aerial Imagery (C								
Drift Deposits (B3)	ron (C4)	d Plants (D1)							
Algal Mat or Crust (B4) Recent Iron Reduction in									
Iron Deposits (B5) Thin Muck Surface (C7)		_Shallow Aquitard (I							
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remain	rks)	Microtopographic F							
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? Vac Na Na									
Saturation Present? Yes No x Depth (inches):	wetland H	ydrology Present?	Yes No X						
(includos conillony fringo)									
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if ava	ilable:							
	evious inspections), if ava	ilable:							

Sampling Point: VG-E-3 upl

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: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)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1				FACW species 0 x 2 = 0
2				FAC species x 3 =0
3.				FACU species 17 x 4 = 68
4.				UPL species 25 x 5 = 125
5.				Column Totals: 42 (A) 193 (B)
6.				Prevalence Index = $B/A = 4.60$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Centaurea stoebe	20	Yes	UPL	3 - Prevalence Index is $\leq 3.0^1$
2. Daucus carota	5	<u> </u>	UPL	4 - Morphological Adaptations ¹ (Provide supporting
2 Ambrogio estemigiifelio	E	No	FACU	data in Remarks or on a separate sheet)
				Duck low stick by dearby tick (constantion ¹ (Comparin)
4. Plantago major		No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Trifolium repens		No	FACU	¹ Indicators of hydric soil and wetland hydrology must
6. Lotus corniculatus	6	Yes	FACU	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
	42	=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.				
3				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet)			
·····	,			

		o the dep				tor or co	nfirm the absence of ir	dicators.)			
		0/.					Toyturo	Bom	orko		
Depth (inches)	Matrix Color (moist)		Redo Color (moist)	x Featu % ///////////////////////////////////	res <u>Type</u> ¹ <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u>	Loc ²	Texture	Pore Lining, M=M Pore Lining, M=M Problematic Hyd (A10) (LRR K, L ie Redox (A16) (I / Peat or Peat (Si ielow Surface (S9) ielow Surface (S9	flatrix. Iric Soils ³ : , MLRA 149B) LRR K, L, R) 3) (LRR K, L, R) 8) (LRR K, L)		
	A 144A, 145, 149B)	-	Redox Dark Si		F6)			w Dark Surface (
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface	e (F7)			ain in Remarks)			
	leyed Matrix (S4)	-	Redox Depres		-		3				
	edox (S5) Matrix (S6)	-	Marl (F10) (LR			A 44E)	³ Indicators of hydrophytic vegetation and				
Stripped	Matrix (30)	-	Red Parent Ma	ateriai (r	-21) (IVILF	A 145)	wetland hydrology must be present, unless disturbed or problematic.				
Restrictive L	_ayer (if observed):										
Type:	grave	əl									
Depth (ir	nches):	0					Hydric Soil Present?	Yes	No		
Remarks: gravel road											



U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Northcentral and Nor See ERDC/EL TR-12-1; the proponent agency is CECW-	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/C	ounty: New Baltimo	pre/Greene Sampling Date: 8/28/23		
Applicant/Owner: TDI		State: NY Sampling Point: VG-F-8 wet		
Investigator(s): N. Frazer & C. Einstein	Section, Townsh			
	— concave, convex, no			
Subregion (LRR or MLRA): LRR R Lat: 42.382951		.831529 Datum: WGS84		
Soil Map Unit Name: HvB- Hudson and Vergennes soils	20.1gi	NWI classification: PEM		
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x	No (If no, explain in Remarks.)		
Are Vegetation, Soil, or Hydrologysignificantly disturbed?		Sircumstances" present? Yes x No		
Are Vegetation, Soil, or Hydrologysignificantly distance.		plain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map showing sampling	point location	is, transects, important features, etc.		
Hydric Soil Present? Yes X No with	ne Sampled Area nin a Wetland? es, optional Wetland	Yes X No I Site ID:		
HYDROLOGY				
Wetland Hydrology Indicators:	Sec	condary 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) High Water Table (A2) Aquatic Fauna (B13)		Drainage Patterns (B10) Moss Trim Lines (B16)		
Saturation (A3) Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1) Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2) X Oxidized Rhizospheres on Livir	ng 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) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8)	x	Microtopographic Relief (D4) FAC-Neutral Test (D5)		
Field Observations:	<u></u>	<u> </u>		
Surface Water Present? Yes No x Depth (inches):				
Water Table Present? Yes No x Depth (inches):				
Saturation Present? Yes No x Depth (inches):	Wetland Hy	vdrology Present? Yes X No		
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	inspections), if avail	able:		
Remarks:				

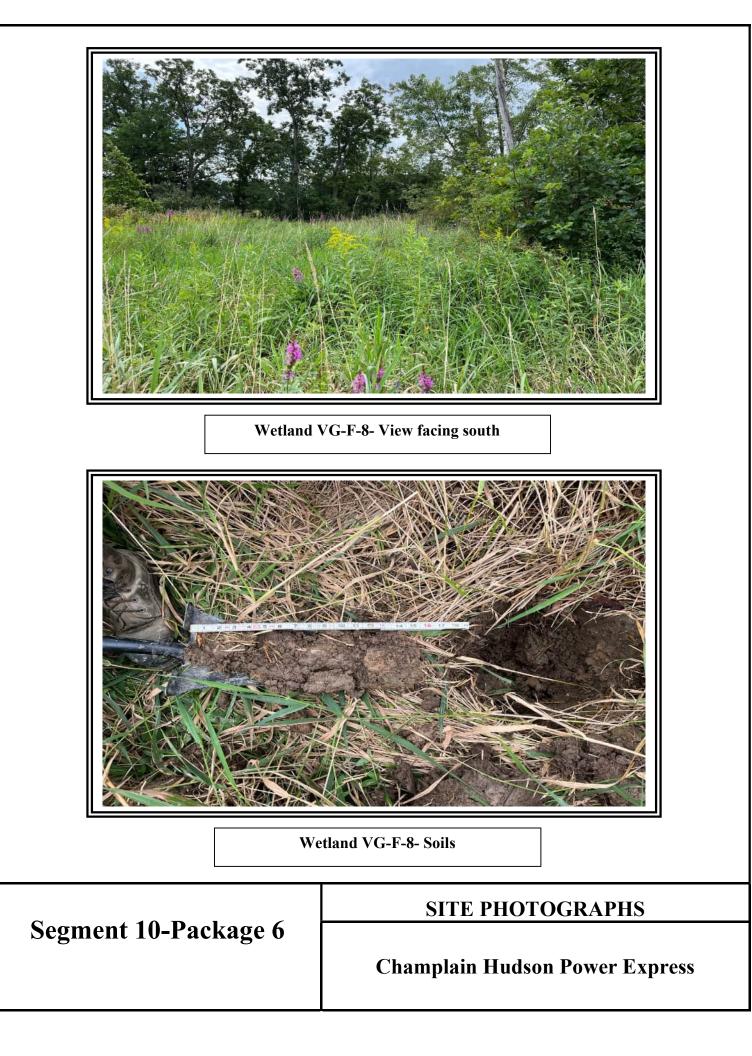
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Sampling Point: VG-F-8 wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Quercus bicolor 2.	5	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3 4				Total Number of Dominant Species Across All Strata: 2 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species15 x 1 =15
1				FACW species 92 x 2 = 184
2.				FAC species $0 \times 3 = 0$
3.				FACU species 2 x 4 = 8
				UPL species 0 x 5 = 0
5.				Column Totals: 109 (A) 207 (B)
				$\frac{1}{201} \frac{1}{201} \frac{1}$
_				
/		-Tatal Cause		Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. <u>Phalaris arundinacea</u>	85	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Lythrum salicaria	15	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Acer saccharinum	2	No	FACW	data in Remarks or on a separate sheet)
4. Rubus idaeus	2	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11				
12	104	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30') 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.		·		Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				

		to the dep				tor or co	onfirm the absence o	f indicators.)
Depth	Matrix			x Featur		1 2	- .	D
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-11	10YR 4/2	80	10YR 4/4	20	<u> </u>	PL/M	Loamy/Clayey	Distinct redox concentrations
 	10YR 4/1		7.5YR 4/6				Loamy/Clayey	Prominent redox concentrations
		; ;						
¹ Type: C=C	oncentration, D=Depl	letion, RM	=Reduced Matrix, N	/IS=Masl	ked Sand	Grains.	² Location: P	 PL=Pore Lining, M=Matrix.
Black Hi Hydroge Stratified Depleted Thick Da Mesic S (MLR Sandy M Sandy G Sandy R Stripped Restrictive		-	Dark Surface (Polyvalue Belc MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR Red Parent Ma	w Surfac) ace (S9) Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)) (LRR R 511) (LRI (F1) (LRI F2) 6) (F7) 8)	, MLRA ² R K, L) R K, L)	2 cm Mu Coast P 5 cm Mu Polyvalu Thin Dai Iron-Mar Piedmor Red Par Very Shi Other (E	or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B) rent Material (F21) (outside MLRA 145) allow Dark Surface (F22) Explain in Remarks) ors of hydrophytic vegetation and nd hydrology must be present, s disturbed or problematic.
Depth (in Remarks:	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								



U.S. Army WETLAND DETERMINATION DATA See ERDC/EL TR-12-1; th	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)							
Project/Site: CHPE - Segment 10 - Packa	ge 6	City/County: New Baltim	pre/Greene Sampling Date: 8/28/23					
Applicant/Owner: TDI		· · ·	State: NY Sampling Point: VG-F-8 upl					
Investigator(s): N. Frazer & C. Einstein		Section, Townsh						
		elief (concave, convex, no						
Landform (hillside, terrace, etc.): flat		-						
Subregion (LRR or MLRA): LRR R	Lat: <u>42.382998</u>	Long: <u>-73</u>						
Soil Map Unit Name: HvB- Hudson and Ve	rgennes soils		NWI classification: n/a					
Are climatic / hydrologic conditions on the si	te typical for this time of year?	Yes x	No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hyd	rology significantly distur	bed? Are "Normal C	Circumstances" present? Yes x No					
Are Vegetation, Soil, or Hyd	rology naturally problema	tic? (If needed, ex	plain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attac	h site map showing sam	pling point location	s. transects. important features. etc.					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes X No Is the Sampled Area Hydrology Present? Yes X No If yes, optional Wetland Site ID: No X Remarks: (Explain alternative procedures here or in a separate report.) Is the sampled Area No X								
HYDROLOGY								
			conden (Indiactors (minimum of two required)					
Wetland Hydrology Indicators: Primary Indicators (minimum of one is requ	uired: check all that apply)	<u>580</u>	condary Indicators (minimum of two required) Surface Soil Cracks (B6)					
Surface Water (A1)	Water-Stained Leaves (E	39)	Drainage Patterns (B10)					
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)					
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)					
Sediment Deposits (B2)	Oxidized Rhizospheres of	on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	Presence of Reduced Irc	· · · ·	Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (E		KS)	Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface	(88)		FAC-Neutral Test (D5)					
Field Observations:	No v Donth (inchoo)							
Surface Water Present? Yes Water Table Present? Yes	No x Depth (inches): No x Depth (inches):							
Saturation Present? Yes	No x Depth (inches):		/drology Present? Yes No X					
(includes capillary fringe)								
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, pre	vious inspections), if avai	lable:					
Remarks:								

Sampling Point: VG-F-8 upl

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: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: <u>66.7%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =0
1. Cornus racemosa	30	Yes	FAC	FACW species 0 x 2 = 0
2. Rhamnus cathartica	5	No	FAC	FAC species 60 x 3 =180
3				FACU species x 4 = 80
4				UPL species 60 x 5 = 300
5				Column Totals: 140 (A) 560 (B)
6.				Prevalence Index = $B/A = 4.00$
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. Centaurea stoebe	45	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Vicia cracca	15	No	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Cornus racemosa	20	Yes	FAC	data in Remarks or on a separate sheet)
4. Solidago canadensis	15	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
	5	No	FAC	
				¹ Indicators of hydric soil and wetland hydrology must
6. Lotus corniculatus	5	No	FACU	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	105	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30') 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			1
	,			

	ription: (Describe	to the de				ator or co	onfirm the absence o	of indicators.)		
Depth	Matrix			x Featur		. 2	- .			
(inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ²	Texture	Remarks		
0-11	10YR 5/2	95	10YR 5/6	5	<u> </u>	M	Loamy/Clayey	Prominent redox concentrations		
	10YR 5/1	90	10YR 5/6				Loamy/Clayey	Prominent redox concentrations		
¹ Type: C=Co	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators:						Indicators f	or Problematic Hydric Soils ³ :		
Histosol	. ,		Dark Surface ('				uck (A10) (LRR K, L, MLRA 149B)		
	pipedon (A2)		Polyvalue Belo		ce (S8) (l	LRR R,		Prairie Redox (A16) (LRR K, L, R)		
Black Hi			MLRA 149B	·				ucky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		Thin Dark Surf		-			ue Below Surface (S8) (LRR K, L)		
	Layers (A5)		High Chroma S					rk Surface (S9) (LRR K, L)		
	Below Dark Surface	e (A11)	Loamy Mucky			R K, L)		nganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)		Loamy Gleyed		F2)			nt Floodplain Soils (F19) (MLRA 149B)		
	podic (A17)		X Depleted Matri					rent Material (F21) (outside MLRA 145		
	A 144A, 145, 149B)		Redox Dark Su					allow Dark Surface (F22)		
	lucky Mineral (S1)		Depleted Dark				Other (E	Explain in Remarks)		
	leyed Matrix (S4)		Redox Depres		8)		2			
	edox (S5)		Marl (F10) (LR				³ Indicators of hydrophytic vegetation and			
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	21) (MLF	RA 145)		nd hydrology must be present, s disturbed or problematic.		
Restrictive I	Layer (if observed):							s disturbed of problematic.		
Type:	non									
							Hydric Soil Prese	nt2 Yee V No		
Depth (ir	icites).						Hydric Soli Prese	nt? Yes <u>X</u> No		
Remarks: Remarks:										
Remarks.										



U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Northcentral and N See ERDC/EL TR-12-1; the proponent agency is CEC	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 Cit	y/County: New Balt	timore/Greene Sampling Date: 8/28/23		
Applicant/Owner: TDI	<u> </u>	State: NY Sampling Point: VG-D-5 wet		
Investigator(s): N. Frazer & C. Einstein	Section Tow	nship, Range:		
	ef (concave, convex			
	-			
Subregion (LRR or MLRA): LRR R Lat: 42.383276	Long:	-73.830837 Datum: WGS84		
Soil Map Unit Name: HvB- Hudson and Vergennes soils		NWI classification: PEM		
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes <u>x</u>			
Are Vegetation, Soil, or Hydrologysignificantly disturbed		al Circumstances" present? Yes <u>x</u> No		
Are Vegetation, Soil, or Hydrologynaturally problematic?	? (If needed,	explain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map showing sampli	ng point locati	ons, transects, important features, etc.		
Hydrophytic Vegetation Present? Yes X No	s the Sampled Are	a		
	within a Wetland?	Yes X No		
Wetland Hydrology Present? Yes X No	f yes, optional Wetl	and Site ID:		
Remarks: (Explain alternative procedures here or in a separate report.) shallow emergent marsh				
HYDROLOGY				
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil Cracks (B6)		
Surface Water (A1)Water-Stained Leaves (B9)	-	Drainage Patterns (B10)		
High Water Table (A2) Aquatic Fauna (B13)	-	Moss Trim Lines (B16)		
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1)	-	Dry-Season Water Table (C2) Cravfish Burrows (C8)		
Sediment Deposits (B2) X Oxidized Rhizospheres on L	-	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3) Presence of Reduced Iron (Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	-	Geomorphic Position (D2)		
Iron Deposits (B5) Thin Muck Surface (C7)	-	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	_	Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)	-	X FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes No x Depth (inches):				
Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches):				
Saturation Present? Yes <u>No x</u> Depth (inches): (includes capillary fringe)		Hydrology Present? Yes X No		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previo	us inspections). if a	vailable:		
	,, ,, ,,			
Remarks:				

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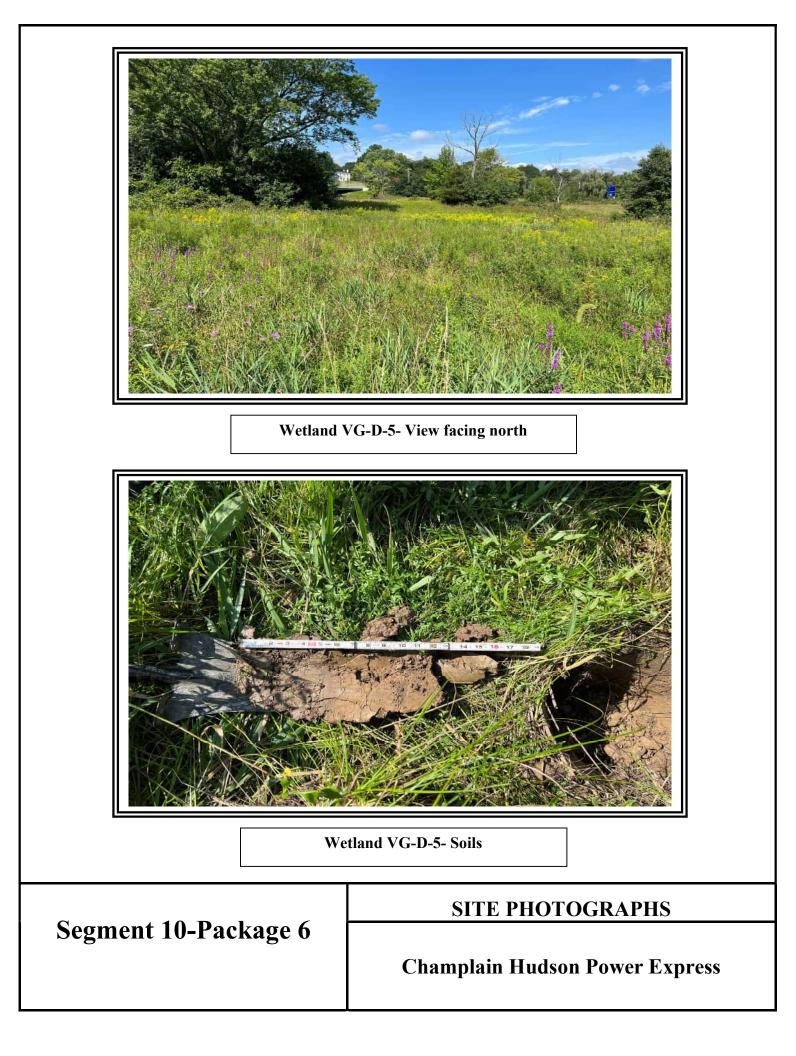
Sampling Point: VG-D-5 wet

	Absolute	Dominant	Indicator				
<u>Tree Stratum</u> (Plot size: <u>30'</u>)	% 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)			
5				Percent of Dominant Species			
6				That Are OBL, FACW, or FAC: 100.0% (A/B)			
7.				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of:Multiply by:			
Sapling/Shrub Stratum (Plot size: 15')				OBL species 58 x 1 = 58			
1				FACW species $40 \times 2 = 80$			
2.				FAC species $7 \times 3 = 21$			
3.				FACU species 11 x 4 = 44			
				UPL species $0 \times 5 = 0$			
				Column Totals: 116 (A) 203 (B)			
6							
6							
7				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%			
1. Lythrum salicaria	35	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹			
2. Phalaris arundinacea	35	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting			
3. Scirpus atrovirens	5	No	OBL	data in Remarks or on a separate sheet)			
4. <u>Carex lurida</u>	8	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Euthamia graminifolia	5	No	FAC	¹ Indicators of hydric soil and wetland hydrology must			
6. Symphyotrichum ericoides	10	No	FACU	be present, unless disturbed or problematic.			
7. Agrostis stolonifera	5	No	FACW	Definitions of Vegetation Strata:			
8. Setaria pumila	2	No	FAC	Tree – Woody plants 3 in. (7.6 cm) or more in			
9. Lycopus americanus	3	No	OBL	diameter at breast height (DBH), regardless of height.			
10. Lotus corniculatus	1	No	FACU				
11. Carex vulpinoidea	5	No	OBL	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12. Persicaria sagittata	2	No	OBL				
· · · · · · · · · · · · · · · · · · ·		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30')							
				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2				Hydrophytic			
3				Vegetation			
4				Present? Yes <u>X</u> No			
	:	=Total Cover					
Remarks: (Include photo numbers here or on a separ	rate sheet.)						

VEGETATION Continued – Use scientific names of plants.

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	Definitions of Vegetation Strata:
8		· <u> </u>		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
13				of size, and woody plants less than 3.28 ft tall.
14				Woody vines – All woody vines greater than 3.28 ft in
		=Total Cover		height.
Sapling/Shrub Stratum				
8				
9				
10				
11				
12				
13				
14				
		=Total Cover		
Herb Stratum				
13				
14				
15				
16				
17				
18				
19				
20				
21		·		
22		·		
23				
24	116	=Total Cover		
Woody Vine Stratum	110			
5.				
6.		·		
7.		·		
8.		·		
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)	•		l

		o the de				ator or co	onfirm the absence of	f indicators.)		
Depth	Matrix			x Featur		. 2		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-6	10YR 4/2	90	10YR 4/6	10	<u> </u>	PL/M	Loamy/Clayey	Prominent redox concentrations		
6-16	10YR 5/1	60	10YR 4/6	20	<u> </u>	M	Loamy/Clayey	Prominent redox concentrations		
			10YR 6/6					Prominent redox concentrations		
	oncentration, D=Depl	etion, RN	I=Reduced Matrix, M	IS=Mas	ked Sano	d Grains.		L=Pore Lining, M=Matrix.		
Hydric Soil			Daula Oranfa a a (07)				or Problematic Hydric Soils ³ :		
Histosol			Dark Surface (ick (A10) (LRR K, L, MLRA 149B)		
	pipedon (A2)		Polyvalue Belo		ce (S8) (LRR R,		rairie Redox (A16) (LRR K, L, R)		
	stic (A3)		MLRA 149B	,				icky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		Thin Dark Surfa		-			e Below Surface (S8) (LRR K, L)		
	d Layers (A5)		High Chroma S					rk Surface (S9) (LRR K, L)		
	d Below Dark Surface	(A11)	Loamy Mucky I			R K, L)		nganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)		Loamy Gleyed		F2)		Piedmont Floodplain Soils (F19) (MLRA 149B)			
	podic (A17)		X Depleted Matrix					ent Material (F21) (outside MLRA 145)		
	A 144A, 145, 149B)		Redox Dark Su	``	,			allow Dark Surface (F22)		
	Nucky Mineral (S1)		Depleted Dark					xplain in Remarks)		
	Bleyed Matrix (S4) Redox (S5)		Redox Depress		0)		³ Indicators of hydrophytic vegetation and			
	Matrix (S6)		Marl (F10) (LR Red Parent Ma		21) (ML I	DA 145)	wetland hydrology must be present,			
				iteriai (i		(A 143)	unless disturbed or problematic.			
	Layer (if observed):									
Туре:	non	e								
	nches):						Hydric Soil Preser	nt? Yes <u>X</u> No		
Remarks: Remarks:										

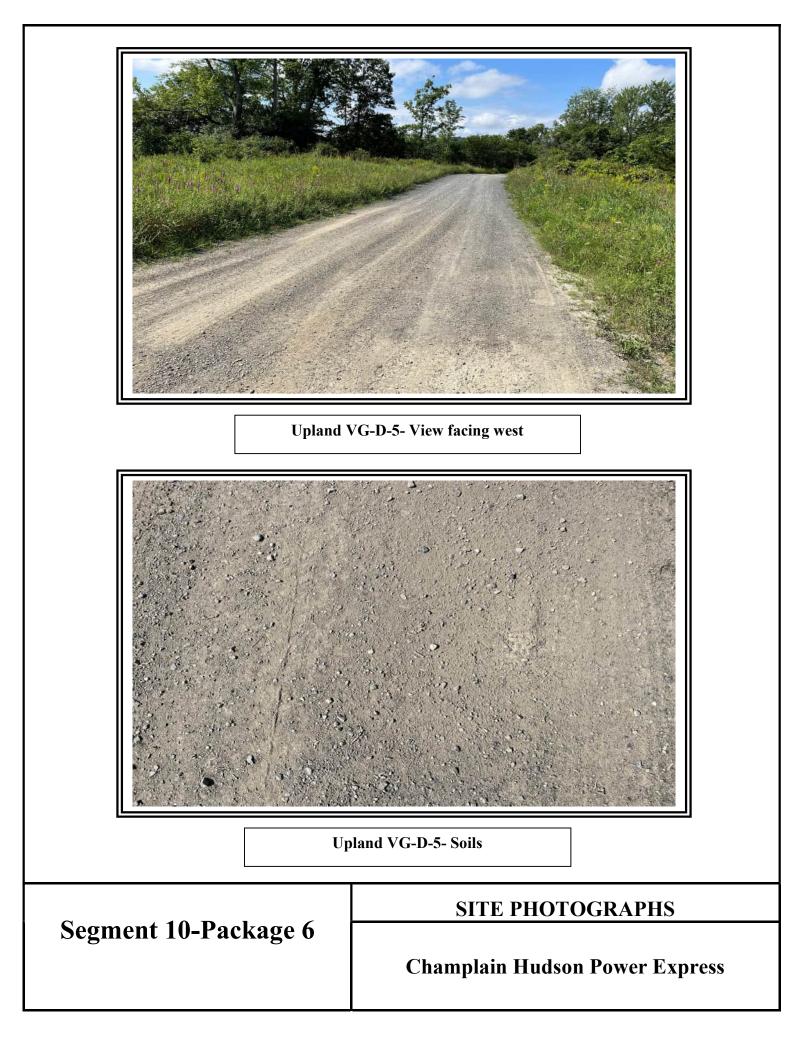


U.S. Army WETLAND DETERMINATION DATA See ERDC/EL TR-12-1; th	Requirement C	0710-0024, Exp: 11/30/2024 Control Symbol EXEMPT: 335-15, paragraph 5-2a)				
Project/Site: CHPE - Segment 10 - Packag	ge 6	City/County: New Baltim	ore/Greene	Sampling Date: 8/28/23		
Applicant/Owner: TDI			State: NY	Sampling Point: VG-D-5 upl		
Investigator(s): N. Frazer & C. Einstein		Section, Towns	hip. Range:			
Landform (hillside, terrace, etc.): road	l ocal re	elief (concave, convex, n		Slope %: 0		
	Lat: 42.383224					
Subregion (LRR or MLRA): LRR R		Long: <u>-73</u>		Datum: WGS84		
Soil Map Unit Name: HvB- Hudson and Ve	-		_NWI classification:			
Are climatic / hydrologic conditions on the si	te typical for this time of year?	Yes <u>x</u>	No (If no,	explain in Remarks.)		
Are Vegetation <u>x</u> , Soil <u>x</u> , or Hyd	rologysignificantly disturb	ed? Are "Normal (Circumstances" pres	ent? Yes x No		
Are Vegetation, Soil, or Hyd	rology naturally problema	tic? (If needed, ex	plain any answers ir	Remarks.)		
SUMMARY OF FINDINGS – Attac	h site map showing sam	pling point locatio	ns, transects, in	nportant features, etc.		
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No X Yes No X Yes No X	Is the Sampled Area within a Wetland? If yes, optional Wetlan	Yes	No_X		
HYDROLOGY Wetland Hydrology Indicators:		Se	condany Indicators (r	ninimum of two required)		
Primary Indicators (minimum of one is requ	uired: check all that apply)	<u></u>	Surface Soil Crack			
Surface Water (A1)	Water-Stained Leaves (B	.9)	 Drainage Patterns 			
High Water Table (A2)	Aquatic Fauna (B13)	·	Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (0	C1)	Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres o	n Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iro	. ,	Stunted or Stresse	d Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	_Geomorphic Position			
Iron Deposits (B5)	Thin Muck Surface (C7)		_Shallow Aquitard ([
Inundation Visible on Aerial Imagery (E		(s)	_Microtopographic F			
Sparsely Vegetated Concave Surface	(B8)		_FAC-Neutral Test (D5)		
Field Observations:						
Surface Water Present? Yes	No x Depth (inches):					
Water Table Present? Yes Saturation Present? Yes	No x Depth (inches):		uduala au Duas ant?	Vee Ne V		
Saturation Present? Yes (includes capillary fringe)	No x Depth (inches):		ydrology Present?	Yes No _X		
Describe Recorded Data (stream gauge, m	ionitoring well aerial photos pre-	vious inspections) if ava	ilable [.]			
	ionitoring won, denai priotos, pre					
Remarks:						

Sampling Point: VG-D-5 upl

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:0 (A)
3				Total Number of Dominant Species Across All Strata:2(B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1				FACW species 0 x 2 = 0
2				FAC species x 3 =6
3				FACU species 9 x 4 = 36
4.				UPL species 20 x 5 = 100
5.				Column Totals: 31 (A) 142 (B)
6.				Prevalence Index = $B/A = 4.58$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Centaurea stoebe	10	Yes	UPL	$3 - Prevalence Index is \leq 3.0^1$
2. Lotus corniculatus	2	<u> </u>	FACU	4 - Morphological Adaptations ¹ (Provide supporting
2 Trifelium renene		No	FACU	data in Remarks or on a separate sheet)
	10	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
	2			
5. Setaria pumila		No	FAC	¹ Indicators of hydric soil and wetland hydrology must
6. Ambrosia artemisiifolia	5	No	FACU	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		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				
1,				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			
· · · · · · · · · · · · · · · · · · ·	,			

		to the dep				tor or co	onfirm the absence of indicators.)
Depth (in the c)	Matrix			x Featu	4	- 2	Tester
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks
					·		
		·					
					·		
					·		
					·		
		<u> </u>			·		
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, I	MS=Mas	sked Sand	l Grains.	
Hydric Soil	Indicators:						Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic E	oipedon (A2)		Polyvalue Belo	ow Surfa	ace (S8) (I	LRR R,	Coast Prairie Redox (A16) (LRR K, L, R)
Black Hi	istic (A3)		MLRA 149E	B)			5 cm Mucky Peat or Peat (S3) (LRR K, L, F
Hydroge	en Sulfide (A4)		Thin Dark Sur	face (S9) (LRR R	, MLRA 1	149B) Polyvalue Below Surface (S8) (LRR K, L)
	d Layers (A5)		High Chroma				Thin Dark Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Mucky				Iron-Manganese Masses (F12) (LRR K, L, I
	ark Surface (A12)		Loamy Gleyed			,,	Piedmont Floodplain Soils (F19) (MLRA 14
	podic (A17)		Depleted Matr		(1 2)		Red Parent Material (F21) (outside MLRA
					-6)		
-	RA 144A, 145, 149B)		Redox Dark S				Very Shallow Dark Surface (F22)
·	Nucky Mineral (S1)		Depleted Dark		. ,		Other (Explain in Remarks)
	Bleyed Matrix (S4)		Redox Depres				3
	Redox (S5)		Marl (F10) (LF				³ Indicators of hydrophytic vegetation and
Stripped	l Matrix (S6)		Red Parent M	aterial (F	=21) (MLF	RA 145)	wetland hydrology must be present,
							unless disturbed or problematic.
Restrictive	Layer (if observed):						
Type:	grav	vel					
Depth (i	nches):	0					Hydric Soil Present? Yes No X
		-					
Remarks:							
Gravel road	present.						
1							
1							
1							



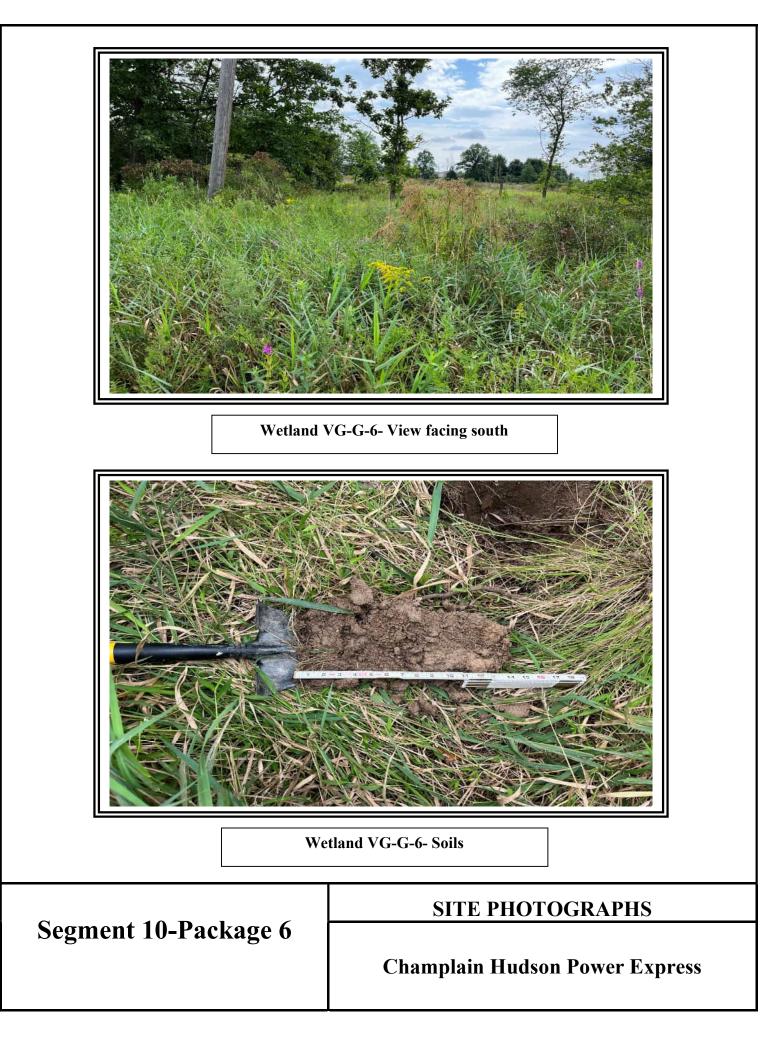
U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Northcentral and See ERDC/EL TR-12-1; the proponent agency is CE	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)			
Project/Site: <u>CHPE - Segment 10 - Package 6</u> Applicant/Owner: TDI	City/County: New Balti			
	Section Tour			
Investigator(s): N. Frazer & C. Einstein	Section, Town			
	elief (concave, convex,			
Subregion (LRR or MLRA): LRR R Lat: 42.382820	Long: -	73.829185 Datum: WGS84		
Soil Map Unit Name: HvB- Hudson and Vergennes soils		NWI classification: PEM		
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x			
Are Vegetation, Soil, or Hydrologysignificantly distur		I Circumstances" present? Yes x No		
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, e	explain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map showing sam	pling point location	ons, transects, 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	lf yes, optional Wetla	and Site ID:		
Remarks: (Explain alternative procedures here or in a separate report.) shallow emergent marsh				
HYDROLOGY Wotland Hydrology Indicators:		Cocondary Indicators (minimum of two required)		
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	<u>0</u>	econdary Indicators (minimum of two required) Surface Soil Cracks (B6)		
Surface Water (A1) Water-Stained Leaves (I		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 (Crayfish Burrows (C8)		
Sediment Deposits (B2) X Oxidized Rhizospheres of Drift Deposits (B2)		Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3) Presence of Reduced Iro Algal Mat or Crust (B4) Recent Iron Reduction ir		Stunted or Stressed Plants (D1) X Geomorphic Position (D2)		
Iron Deposits (B5) Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	ks) –	Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes No x Depth (inches):				
Water Table Present? Yes No x Depth (inches): Saturation Present? Yes Na Parth (inches):				
Saturation Present? Yes No x Depth (inches): (includes capillary fringe)		Hydrology Present? Yes X No		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if av	vailable:		
Remarks:				

Γ

Sampling Point: VG-G-6 wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Quercus bicolor	7	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3				Total Number of Dominant Species Across All Strata: 3 (B)
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
				Prevalence Index worksheet:
7		-Tatal Causer		
Overline (Ohmith Otherhumen (Distrainen 171	7	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')	00	Maria	540	OBL species 38 x 1 = 38 54.004 species 77 92 454
1. Cornus racemosa	20	Yes	FAC	FACW species 77 x 2 = 154
2				FAC species x 3 =75
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: 140 (A) 267 (B)
6				Prevalence Index = B/A =1.91
7.				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Scirpus cyperinus	15	No	OBL	X 3 - Prevalence Index is $\leq 3.0^{1}$
				4 - Morphological Adaptations ¹ (Provide supporting
2. Lythrum salicaria	8	No	OBL	data in Remarks or on a separate sheet)
3. Juncus effusus	10	No	OBL	
4. Agrostis stolonifera	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Phalaris arundinacea	65	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must
6. Persicaria sagittata	5	No	OBL	be present, unless disturbed or problematic.
7. Cornus racemosa	5	No	FAC	Definitions of Vegetation Strata:
8.				Tree Mandy plants 2 in (7.6 am) or more in
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	113	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
				Hydrophytic
3 4.				Vegetation Present? Yes X No
+		Tatal Quart		Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or c	onfirm the absence of	f indicators.)		
Depth	Matrix			x Featur						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-9	10YR 5/2	90	10YR 4/6	10	C	PL	Loamy/Clayey	Prominent redox concentrations		
9-16	7.5YR 5/2	70	7.5YR 5/6	30	C	M	Loamy/Clayey	Prominent redox concentrations		
		ation D				Craina	² l continu	- Dera Lining M-Matrix		
Hydric Soil I	ncentration, D=Depl			10-11/185	keu Sand	i Grains.		L=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :		
Histosol			Dark Surface (S7)				ick (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		() (,		icky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		Thin Dark Surf	ace (S9) (LRR R	, MLRA [·]		e Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		High Chroma S	Sands (S	611) (LRI	R K, L)	Thin Darl	k Surface (S9) (LRR K, L)		
Depleted	Below Dark Surface	e (A11)	Loamy Mucky	Mineral	(F1) (LR	R K, L)	Iron-Man	nganese Masses (F12) (LRR K, L, R)		
	rk Surface (A12)		Loamy Gleyed		F2)			t Floodplain Soils (F19) (MLRA 149B)		
	odic (A17)		X Depleted Matri					ent Material (F21) (outside MLRA 145)		
	A 144A, 145, 149B)		Redox Dark Su					allow Dark Surface (F22)		
·	ucky Mineral (S1)		Depleted Dark		· /		Other (E)	xplain in Remarks)		
	leyed Matrix (S4) edox (S5)		Redox Depress Marl (F10) (LR		0)		³ Indicator	rs of hydrophytic vegetation and		
·	Matrix (S6)		Red Parent Ma		21) (MI F	RA 145)	wetland hydrology must be present,			
					2 ·) (_	,		disturbed or problematic.		
Restrictive L	ayer (if observed):							I		
Туре:	non	е								
Depth (ir	iches):						Hydric Soil Presen	nt? Yes X No		
Remarks:	,									
Remarks:										

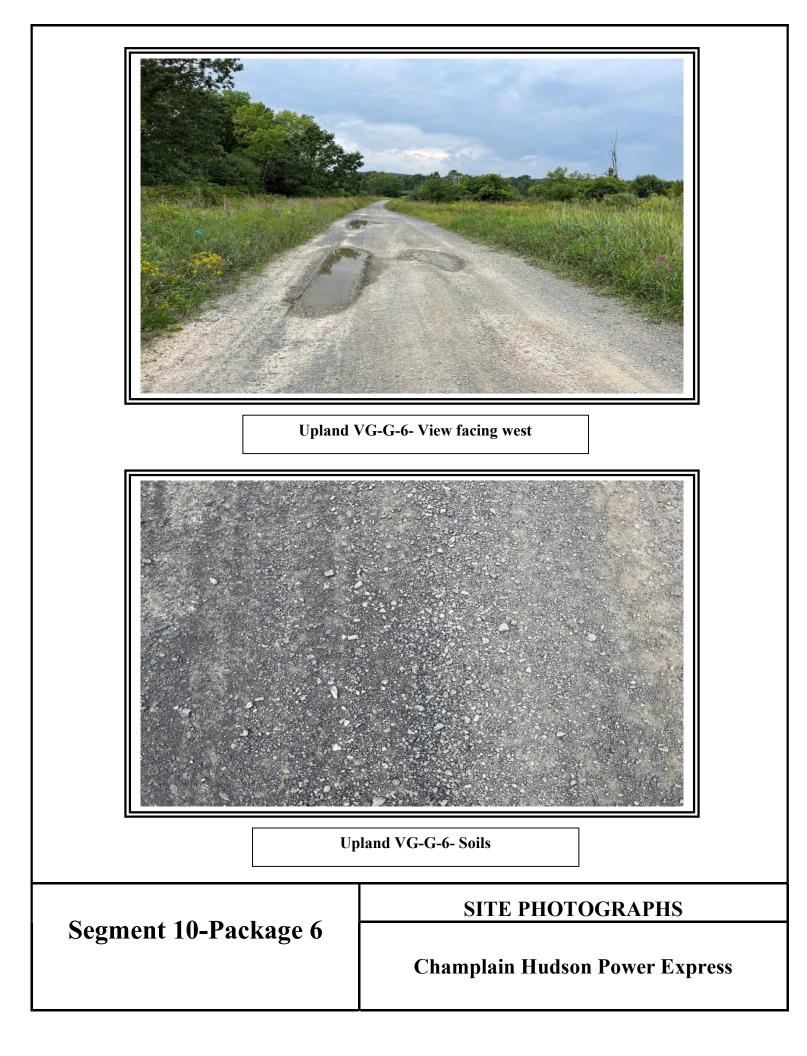


U.S. Army Corps of WETLAND DETERMINATION DATA SHEET – See ERDC/EL TR-12-1; the propone	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)							
Project/Site: CHPE - Segment 10 - Package 6 City/County: New Baltimore/Greene Sampling Date: 8/28/23								
Applicant/Owner: TDI			State: NY Sampling Point: VG-G-6 upl					
Investigator(s): N. Frazer & C. Einstein	;	Section, Townsh	ip, Range:					
Landform (hillside, terrace, etc.): road	Local relief (cond	ave, convex, no	ne): none Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat:	42.382860	Long: -73.	· · · ·					
Soil Map Unit Name: HvB- Hudson and Vergennes soils			NWI classification: n/a					
Are climatic / hydrologic conditions on the site typical for		Yes x	No (If no, explain in Remarks.)					
Are Vegetation x , Soil x , or Hydrology	-		ircumstances" present? Yes x No					
Are Vegetation, Soil, or Hydrology	-		plain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map	showing sampling po	oint location	s, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	No X within	Sampled Area a Wetland? optional Wetland	Yes <u>No X</u> I Site ID:					
HYDROLOGY								
Wetland Hydrology Indicators:		Sec	condary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check a	all that apply)		Surface Soil Cracks (B6)					
Surface Water (A1)Wate	r-Stained Leaves (B9)		Drainage Patterns (B10)					
High Water Table (A2)	tic Fauna (B13)		Moss Trim Lines (B16)					
<u> </u>	Deposits (B15)		Dry-Season Water Table (C2)					
	ogen Sulfide Odor (C1)		Crayfish Burrows (C8)					
	zed Rhizospheres on Living F	Roots (C3)	Saturation Visible on Aerial Imagery (C9)					
	ence of Reduced Iron (C4) nt Iron Reduction in Tilled So	ile (C6)	Stunted or Stressed Plants (D1)					
	Muck Surface (C7)		Geomorphic Position (D2) Shallow Aquitard (D3)					
	(Explain in Remarks)		Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B8)	(Explain in Romano)		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 Hy	drology Present? Yes No _X					
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring wel	l, aerial photos, previous insp	pections), if avail	able:					
Remarks:								

Sampling Point: VG-G-6 upl

<u>Tree Stratum</u> (Plot size: <u>30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3				Total Number of Dominant Species Across All Strata: 2 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1				FACW species x 2 = 4
2.				FAC species 0 x 3 = 0
3.				FACU species 15 x 4 = 60
4.				UPL species 12 x 5 = 60
5.				Column Totals: 29 (A) 124 (B)
				Prevalence Index = $B/A = 4.28$
7				Hydrophytic Vegetation Indicators:
/		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
	10	Yes	UPL	3 - Prevalence Index is < 3.01
	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
3. Trifolium repens	3	No	FACU	
4. Centaurea stoebe	2	No		Problematic Hydrophytic Vegetation ¹ (Explain)
5. <u>Agrostis stolonifera</u>	2	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
6. <i>Phleum pratense</i>	2	No	FACU	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
	29	=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
4.				Vegetation Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				

Profile Des	cription: (Describe	to the de	epth needed to doc	ument t	he indica	tor or co	onfirm the absence of	f indicators.)	
Depth	Matrix			ox Featu					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	arks
			-	·	·				
					·		·		
					·		·		
					·				
	·			·	·		·		
	·								
¹ Type: C=C	oncentration, D=Dep	letion, RI	M=Reduced Matrix, I	MS=Mas	ked Sand	Grains.	² Location: P	L=Pore Lining, M=M	atrix.
Hydric Soil	Indicators:						Indicators for	or Problematic Hydi	ric Soils ³ :
Histosol	l (A1)		Dark Surface	(S7)			2 cm Mu	ick (A10) (LRR K, L,	MLRA 149B)
Histic E	pipedon (A2)		Polyvalue Bel	ow Surfa	ace (S8) (I	.RR R,	Coast Pr	rairie Redox (A16) (L	RR K, L, R)
	istic (A3)		MLRA 149E		. , .			icky Peat or Peat (S3	-
	en Sulfide (A4)		Thin Dark Sur	,) (LRR R	MLRA 1		e Below Surface (S8	
	d Layers (A5)		High Chroma					k Surface (S9) (LRR	
	d Below Dark Surface	· (A11)	Loamy Mucky	-				nganese Masses (F1	
		5 (711)				、 ∩ , ∟)			
	ark Surface (A12)		Loamy Gleyed		(Г2)			nt Floodplain Soils (F	
	podic (A17)		Depleted Matr					ent Material (F21) (o	
-	RA 144A, 145, 149B)		Redox Dark S		-			allow Dark Surface (F	-22)
· · ·	/lucky Mineral (S1)		Depleted Dark				Other (E	xplain in Remarks)	
	Gleyed Matrix (S4)		Redox Depres	•	,		<u> </u>		
Sandy F	Redox (S5)		Marl (F10) (LF	-			³ Indicato	ors of hydrophytic veg	getation and
Stripped	d Matrix (S6)		Red Parent M	aterial (F	=21) (MLF	RA 145)	wetlan	d hydrology must be	present,
							unless	disturbed or probler	natic.
Restrictive	Layer (if observed):								
Type:	grav	/el							
Denth (i	nches):	0					Hydric Soil Preser	nt? Yes	No X
	Inches).	0					Hydric Soli Freser		NoX
Remarks:									
Remarks:									
1									



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 Baltim	ore/Greene Sampling Date: 8/28/23
Applicant/Owner: TDI	State: NY Sampling Point: VG-C-6 wet
Investigator(s): N. Frazer & C. Einstein Section, Towns	
Landform (hillside, terrace, etc.): flat Local relief (concave, convex, n	· ·
	3.828590 Datum: WGS84
Soil Map Unit Name: HvB- Hudson and Vergennes soils	NWI classification: PEM
	No (If no, explain in Remarks.)
	Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrologynaturally problematic? (If needed, ex	plain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point location	ns, 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	d Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) shallow emergent marsh	
HYDROLOGY	
	condary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9)	_Surface Soil Cracks (B6) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) 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)	_Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	_Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) X	_Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No x Depth (inches):	
Water Table Present? Yes No x Depth (inches):	
	ydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if ava	ilable:
Remarks:	

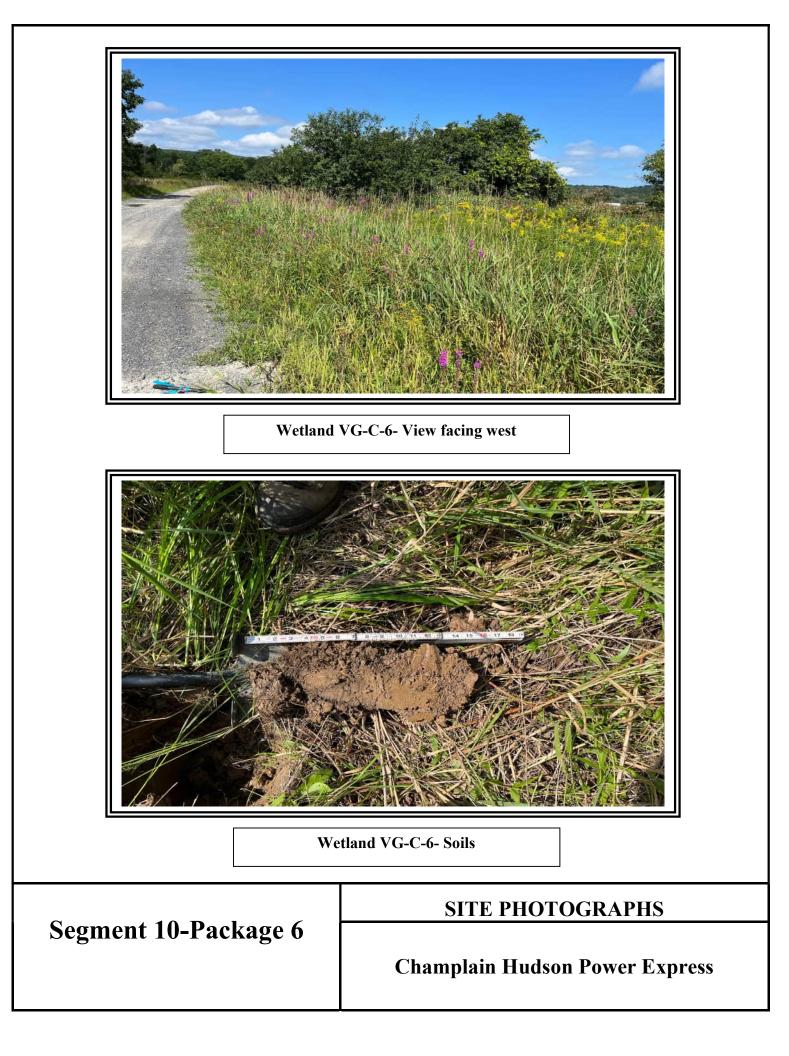
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Sampling Point: VG-C-6 wet

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:4 (A)
3 4				Total Number of Dominant Species Across All Strata:4(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 45 x 1 =45
1. Rhamnus cathartica	5	Yes	FAC	FACW species 52 x 2 = 104
2. Cornus racemosa	5	Yes	FAC	FAC species15 x 3 =45
3				FACU species x 4 =
4				UPL species0 x 5 =0
5.				Column Totals: 112 (A) 194 (B)
6.				Prevalence Index = B/A = 1.73
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5')				X 2 - Dominance Test is >50%
1. Lythrum salicaria	40	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Phalaris arundinacea	50	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Euthamia graminifolia	5	No	FAC	data in Remarks or on a separate sheet)
4. Persicaria sagittata	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Bidens frondosa	2	No	FACW	
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				
9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	102	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30') 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			
	,			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	ator or co	onfirm the absence of	f indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-9	10YR 5/2	80	10YR 5/6	20	C	PL/M	Loamy/Clayey	Prominent redox concentrations
9-16	10YR 5/1	80	10YR 5/6	20	C	M	Loamy/Clayey	Prominent redox concentrations
	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, N	IS=Mas	ked Sand	d Grains.		L=Pore Lining, M=Matrix.
Hydric Soil I				07)				or Problematic Hydric Soils ³ :
Histosol			Dark Surface (Polyvalue Belo		aa (S9) (ck (A10) (LRR K, L, MLRA 149B)
Black His	vipedon (A2)		MLRA 149B		ce (30) (LKK K,		airie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Thin Dark Surfa	,				e Below Surface (S8) (LRR K, L)
	Layers (A5)		High Chroma S					k Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Mucky					iganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed			. ,		t Floodplain Soils (F19) (MLRA 149B)
Mesic Sp	oodic (A17)		X Depleted Matri	x (F3)			Red Pare	ent Material (F21) (outside MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	urface (F	-6)		Very Sha	allow Dark Surface (F22)
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	e (F7)		Other (E	xplain in Remarks)
	leyed Matrix (S4)		Redox Depress		8)		2	
·	edox (S5)		Marl (F10) (LR					rs of hydrophytic vegetation and
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	21) (ML	RA 145)		d hydrology must be present,
							unless	disturbed or problematic.
	ayer (if observed):							
Туре:	non	e						
Depth (ir	iches):						Hydric Soil Presen	nt? Yes <u>X</u> No
Remarks:								
Remarks:								

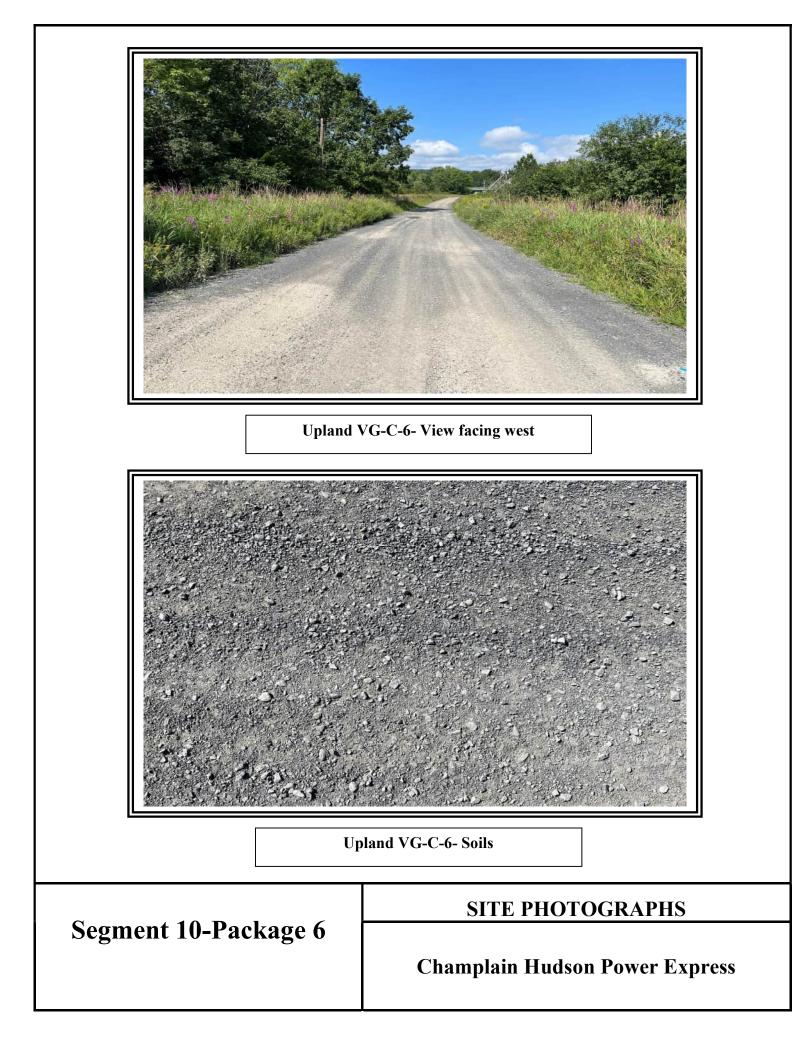


U.S. Army Cor WETLAND DETERMINATION DATA SHE See ERDC/EL TR-12-1; the pro	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)				
Project/Site: CHPE - Segment 10 - Package 6		City/County: <u>New Baltin</u>	nore/Greene Sampling Date: 8/28/23		
Applicant/Owner: TDI			State: NY Sampling Point: VG-C-6 upl		
Investigator(s): N. Frazer & C. Einstein		Section, Towns	ship, Range:		
Landform (hillside, terrace, etc.): road	Local re	elief (concave, convex, r	none): none Slope %: 0		
Subregion (LRR or MLRA): LRR R	Lat: 42.382757	Long: -7			
Soil Map Unit Name: HvB- Hudson and Vergenn			NWI classification: n/a		
Are climatic / hydrologic conditions on the site typ		Yes x	No (If no, explain in Remarks.)		
	-				
Are Vegetation <u>x</u> , Soil <u>x</u> , or Hydrology			Circumstances" present? Yes <u>x</u> No		
Are Vegetation, Soil, or Hydrology			xplain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach site	e map showing samp	oling point locatio	ns, transects, important features, etc.		
Hydric Soil Present? Yes	sNoX sNoX sNoX	Is the Sampled Area within a Wetland? If yes, optional Wetlar	Yes No_X		
HYDROLOGY					
Wetland Hydrology Indicators:		Se	econdary 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	9)	Drainage Patterns (B10)		
High Water Table (A2)	_Aquatic Fauna (B13)		Moss Trim Lines (B16)		
Saturation (A3)	_Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1) Sediment Deposits (B2)	Hydrogen Sulfide Odor (C Oxidized Rhizospheres or		Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Irol	• • –	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in		Geomorphic Position (D2)		
Iron Deposits (B5)	– Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remark	s)	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	· · · / _				
Saturation Present? Yes No	x Depth (inches):	Wetland H	lydrology Present? Yes <u>No X</u>		
(includes capillary fringe)	ing wall parial photos series	(ious inspections) if and	nilabla:		
Describe Recorded Data (stream gauge, monitor	ing weil, aenai photos, prev	nous inspections), if ava	สแสมเฮ.		
Remarks:					

Sampling Point: VG-C-6 upl

Tree Stratum (Plot size: <u>30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3 4				Total Number of Dominant Species Across All Strata: 2 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1				FACW species 0 x 2 = 0
2.				FAC species 10 x 3 = 30
3.				FACU species 7 x 4 = 28
4.				UPL species 0 x 5 = 0
5.				Column Totals: 17 (A) 58 (B)
6.				Prevalence Index = $B/A = 3.41$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Ambrosia artemisiifolia	5	Yes	FACU	$3 - Prevalence Index is \leq 3.0^{1}$
2 Sataria numila	10	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Lotus corniculatus	2	No	FACU	data in Remarks or on a separate sheet)
4.			1700	Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10. 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30') 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			
L				

	ription: (Describe	to the de				tor or co	onfirm the absence of	indicators.)	
Depth	Matrix			ox Featu	,		_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	arks
				·	·				
				·	·				
				·	·				
			-						
					·				
				·	·				
		_		_					
¹ Type: C=C	oncentration, D=Depl	letion, RM	I=Reduced Matrix, I	MS=Mas	ked Sand	l Grains.	² Location: PL	_=Pore Lining, M=M	atrix.
Hydric Soil	Indicators:						Indicators fo	r Problematic Hyd	ric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2 cm Muo	ck (A10) (LRR K, L ,	MLRA 149B)
	pipedon (A2)		Polyvalue Belo		ace (S8) (I	RR R,		airie Redox (A16) (L	
	istic (A3)		MLRA 149E		. , .	·		cky Peat or Peat (S3	
	en Sulfide (A4)		Thin Dark Sur	'				e Below Surface (S8	
	d Layers (A5)		High Chroma					<pre>Surface (S9) (LRR</pre>	
	d Below Dark Surface	- (A11)	Loamy Mucky	-				ganese Masses (F1	
		e (ATT)				κ κ, ∟)		-	
	ark Surface (A12)		Loamy Gleyed		(FZ)			t Floodplain Soils (F	
	podic (A17)		Depleted Matr					ent Material (F21) (o	
-	A 144A, 145, 149B)		Redox Dark S					llow Dark Surface (I	-22)
	/lucky Mineral (S1)		Depleted Dark		• •		Other (Ex	vplain in Remarks)	
	Bleyed Matrix (S4)		Redox Depres	sions (F	8)				
Sandy F	Redox (S5)		Marl (F10) (LF	RR K, L)			³ Indicator	rs of hydrophytic veg	getation and
Stripped	l Matrix (S6)		Red Parent M	aterial (F	-21) (MLF	RA 145)	wetland	d hydrology must be	present,
							unless	disturbed or probler	natic.
Restrictive	Layer (if observed):								
Type:	grav	/el							
		0					Hydric Soil Presen	+2 Vaa	No. X
Depth (i	iches).	0					Hydric Soli Presen	t? Yes	NoX
Remarks:									
Plot is grave	l road.								
1									
1									
1									

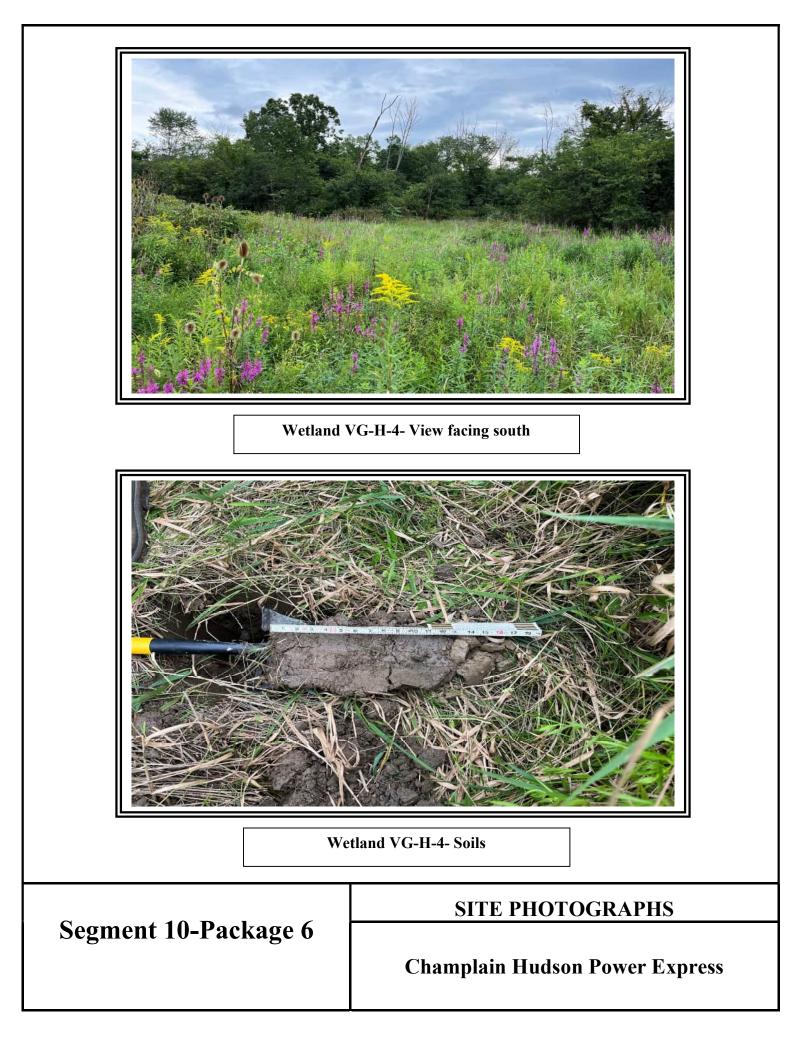


U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Northcentral and Northea See ERDC/EL TR-12-1; the proponent agency is CECW-CO	-	Requirement Contro	0024, Exp: 11/30/2024 ol Symbol EXEMPT: 15, paragraph 5-2a)
Project/Site: CHPE - Segment 10 - Package 6 City/Count	ty: New Baltimor	e/Greene San	npling Date: <u>8/28/23</u>
Applicant/Owner: TDI		State: NY S	ampling Point: VG-H-4 wet
Investigator(s): N. Frazer & C. Einstein S	ection, Township		·
Landform (hillside, terrace, etc.): depression Local relief (conca			Slope %: 0
	Long: -73.8		Datum: WGS84
Soil Map Unit Name: CO- Covington and Madalin soils		WI classification: PE	
· · · · · · · · · · · · · · · · · · ·			
		No (If no, expla	
		cumstances" present?	
Are Vegetation, Soil, or Hydrologynaturally problematic?	(If needed, expla	ain any answers in Rem	arks.)
SUMMARY OF FINDINGS – Attach site map showing sampling po	int locations	, transects, impor	tant features, etc.
Hydric Soil Present? Yes X No within a	ampled Area • Wetland? ptional Wetland \$	Yes X No)
Remarks: (Explain alternative procedures here or in a separate report.) shallow emergent marsh			
HYDROLOGY			
Wetland Hydrology Indicators:	<u>Seco</u>	ndary Indicators (minim	um 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) Saturation (A3) Marl Deposits (B15)		/loss Trim Lines (B16) Dry-Season Water Table	(C2)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	(02)
Sediment Deposits (B2) X Oxidized Rhizospheres on Living Re		Saturation Visible on Ae	rial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iron (C4)	· · /	Stunted or Stressed Pla	
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soil		Geomorphic Position (D	
Iron Deposits (B5) Thin Muck Surface (C7)	s	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	N	licrotopographic Relief	(D4)
Sparsely Vegetated Concave Surface (B8)	<u></u> F	AC-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 Llyd	rology Drocont?	
Saturation Present? Yes No x Depth (inches): (includes capillary fringe)	welland пуо	rology Present?	Yes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe	ections), if availa	ble:	
	,,		
Remarks:			
adjacent to stream VG-S1			

Sampling Point: VG-H-4 wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
,	% Cover	Species?	Status	Dominance Test worksneet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC:(A)
3.				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =7
1				FACW species 50 x 2 = 100
2				FAC species 20 x 3 =60
3				FACU species20 x 4 =80
4.				UPL species 0 x 5 = 0
5.				Column Totals: 117 (A) 267 (B)
6.				Prevalence Index = $B/A = 2.28$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	45	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
	<u>+3</u>	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
3. Euthamia graminifolia		Yes	FAC	
4. Lythrum salicaria	15	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. <u>Persicaria sagittata</u>	2	No	OBL	¹ Indicators of hydric soil and wetland hydrology must
6. <u>Carex vulpinoidea</u>	10	No	OBL	be present, unless disturbed or problematic.
7. Symphyotrichum ericoides	20	Yes	FACU	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
	117	=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
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				
	irate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument tl	ne indica	ator or co	onfirm the absence o	of indicators.)			
Depth	 Matrix			x Featur							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0-8	10YR 4/1	100					Loamy/Clayey				
8-13	10YR 4/1	80	10YR 4/6	20	C	PL/M	Loamy/Clayey	Prominent redox concentrations			
13-16	10YR 5/2	80	10YR 5/6	20	<u> </u>	M	Loamy/Clayey	Prominent redox concentrations			
		·									
		lation DA					² l continui [
Hydric Soil I	oncentration, D=Dep		I-Reduced Matrix, N	10-Ivias	keu Sand	d Grains.		PL=Pore Lining, M=Matrix.			
Histosol			Dark Surface ((\$7)				uck (A10) (LRR K, L, MLRA 149B)			
	oipedon (A2)		Polyvalue Belo		ce (S8) (LRR R.	Coast Prairie Redox (A16) (LRR K, L, R)				
Black His			MLRA 149B				5 cm Mucky Peat or Peat (S3) (LRR K, L, R)				
	n Sulfide (A4)		Thin Dark Surf	<i>,</i>				ue Below Surface (S8) (LRR K, L)			
	l Layers (A5)		High Chroma		-		· · · ·	rk Surface (S9) (LRR K, L)			
	Below Dark Surface	⊃ (Δ11)	Loamy Mucky				Iron-Manganese Masses (F12) (LRR K, L, R)				
	ark Surface (A12)		Loamy Gleyed			IX IX , ∟)	Piedmont Floodplain Soils (F12) (LKK K, L, K)				
	podic (A17)		X Depleted Matri		12)		Red Parent Material (F21) (outside MLRA 1496)				
	A 144A, 145, 149B)		Redox Dark Si		(6)		Very Shallow Dark Surface (F22)				
							Other (Explain in Remarks)				
	lucky Mineral (S1) ileyed Matrix (S4)		Depleted Dark								
			Redox Depres		5)		³ Indiant	are of hydrophytic versition and			
	edox (S5)		Marl (F10) (LR				³ Indicators of hydrophytic vegetation and wetland hydrology must be present,				
	Matrix (S6)		Red Parent Ma	ateriai (F		KA 145)	unless disturbed or problematic.				
Restrictive I	Layer (if observed):										
Туре:	nor	ne									
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No			
Remarks: Remarks:											



U.S. Arm WETLAND DETERMINATION DAT See ERDC/EL TR-12-1; t	•	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)						
Project/Site: <u>CHPE - Segment 10 - Packa</u> Applicant/Owner: <u>TDI</u>	ige 6	City/County: New Baltim	State: NY	Sampling Date: 8/28/23 Sampling Point: VG-H-4 upl				
Investigator(s): N. Frazer & C. Einstein		Section, Towns	hip, Range:					
Landform (hillside, terrace, etc.): road	Local	relief (concave, convex, n	one): <u>none</u>	Slope %: 0				
Subregion (LRR or MLRA): LRR R Lat: 42.382115 Long: -73.823740 Datum: WGS84								
Soil Map Unit Name: CO- Covington and I	Madalin soils		NWI classification	: n/a				
Are climatic / hydrologic conditions on the s		Yes <u>x</u>		, explain in Remarks.)				
Are Vegetation <u>x</u> , Soil <u>x</u> , or Hyd				sent? Yes <u>x</u> No				
Are Vegetation, Soil, or Hyd	Irology naturally problema	atic? (If needed, ex	plain any answers i	n Remarks.)				
SUMMARY OF FINDINGS – Attac	h site map showing sam	pling point location	ns, transects, ii	nportant features, etc.				
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No X Yes No X Yes No X	Is the Sampled Area within a Wetland? If yes, optional Wetlan		No X				
HYDROLOGY								
Wetland Hydrology Indicators:		S	andary Indiantora	(minimum of two required)				
Primary Indicators (minimum of one is req	uired: check all that apply)	<u></u>	Surface Soil Crack					
Surface Water (A1)	Water-Stained Leaves (B9)	_ Drainage Patterns					
High Water Table (A2)	Aquatic Fauna (B13)		 Moss Trim Lines (
Saturation (A3)	Marl Deposits (B15)		Dry-Season Wate	r Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor ((C1)	Crayfish Burrows	(C8)				
Sediment Deposits (B2)	Oxidized Rhizospheres	on Living Roots (C3)	Saturation Visible	on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced In	on (C4)	Stunted or Stresse	ed Plants (D1)				
Algal Mat or Crust (B4)	Recent Iron Reduction in	n Tilled Soils (C6)	Geomorphic Posit	ion (D2)				
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (ks)	Microtopographic					
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 H	ydrology Present?	Yes No _X				

Water Table Present? Saturation Present? (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Sampling Point: VG-H-4 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: 0 (A)
3 4				Total Number of Dominant Species Across All Strata:2(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1				FACW species 0 x 2 = 0
2				FAC species 10 x 3 = 30
3				FACU species9 x 4 =36
4				UPL species 38 x 5 =190
5				Column Totals: 57 (A) 256 (B)
6.				Prevalence Index = B/A = 4.49
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Centaurea stoebe	20	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Setaria viridis	15	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Setaria pumila	10	No	FAC	data in Remarks or on a separate sheet)
4. Lotus corniculatus	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
	3			
5. Daucus carota		No		¹ Indicators of hydric soil and wetland hydrology must
6. Dipsacus fullonum		No	FACU	be present, unless disturbed or problematic.
7. Ambrosia artemisiifolia	2	No	FACU	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
	57	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30') 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				

Depth	Matrix	to the de		x Featu		ator or co	onfirm the absence of i	idicators.)	
(inches)	Color (moist)	%	Color (moist)	% N T Calu	Type ¹	Loc ²	Texture	Rema	arks
(1101100)					<u> </u>				
17 0.0							21 11 51	<u> </u>	
	oncentration, D=Dep	etion, RN	I=Reduced Matrix, N	NS=Mas	sked Sand	d Grains.		Pore Lining, M=M	
Hydric Soil I								Problematic Hyd	
Histosol			Dark Surface ((A10) (LRR K, L ,	
	pipedon (A2)		Polyvalue Belo		ace (S8) (I	LRR R,		rie Redox (A16) (L	-
Black His			MLRA 149B	'				y Peat or Peat (S	
	n Sulfide (A4)		Thin Dark Sur					Below Surface (S8	
	l Layers (A5)		High Chroma	Sands (S11) (LRI	R K, L)		Surface (S9) (LRF	
Depleted	Below Dark Surface	e (A11)	Loamy Mucky	Mineral	(F1) (LR	R K, L)	Iron-Manga	anese Masses (F1	2) (LRR K, L, R)
Thick Da	ark Surface (A12)		Loamy Gleyed	Matrix	(F2)		Piedmont I	Floodplain Soils (F	⁻ 19) (MLRA 149B)
Mesic Sp	podic (A17)		Depleted Matr	ix (F3)			Red Paren	t Material (F21) (c	utside MLRA 145
(MLR	A 144A, 145, 149B)		Redox Dark S	urface (l	F6)		Very Shall	ow Dark Surface (F22)
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface	e (F7)		Other (Exp	lain in Remarks)	
Sandy G	ileyed Matrix (S4)		Redox Depres	sions (F	-8)				
Sandy R	edox (S5)		Marl (F10) (LF	RK,L))		³ Indicators	of hydrophytic ve	getation and
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	F21) (MLF	RA 145)	wetland	hydrology must be	e present,
							unless d	isturbed or proble	matic.
Restrictive I	_ayer (if observed):								
Type:	grav	rel							
- Denth (ir	nches):	0					Hydric Soil Present	Yes	NoX
Deptil (il	ienes).	0					Tryanc oon Tresent	103	
Remarks:									
Remarks:									
1									
1									
1									