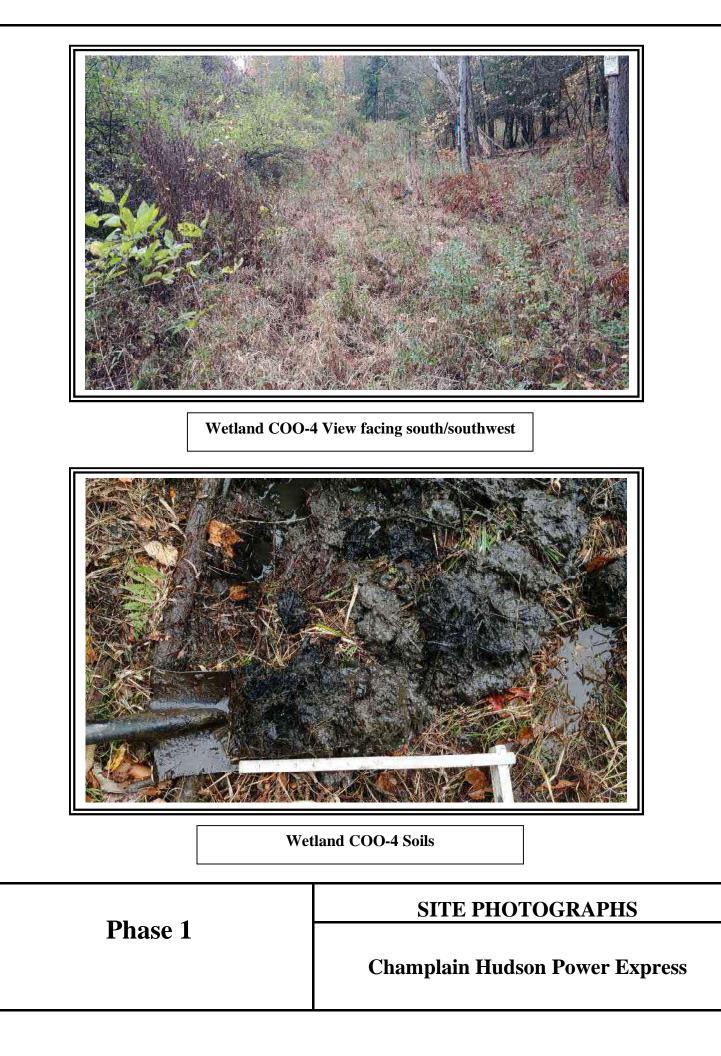
Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21
Applicant/Owner: TDI	State: NY Sampling Point: WET COO-4
Investigator(s): C. Scrivner	Section, Township, Range:
	elief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-39-30.62N	Long: 73-25-54.81W Datum: WGS 84
· · · · <u> </u>	
Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturbed	ed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problemat	ic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag COO-4
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Emergent Marsh. Edinger classification: Shallow Emergent Marsh	۱.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained Leaves (B	9) X Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres or	n Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iror	n (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in	Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	
Water Table Present?         Yes         X         No         Depth (inches):	
Saturation Present? Yes X No Depth (inches):	0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ious inspections), il available.
Remarks:	-

Sampling Point: WET COO-4

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: 4 (A)
3 4.				Total Number of Dominant Species Across All Strata: 5 (B)
5		<b>.</b>	<b></b> ,	
6				Percent of Dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 30 x 1 = 30
1. Lonicera morrowii	10	Yes	FACU	FACW species 60 x 2 = 120
2. <u>Salix bebbiana</u>	5	Yes	FACW	FAC species 20 x 3 = 60
3. Betula alleghaniensis	5	Yes	FAC	FACU species 10 x 4 = 40
4.				UPL species 0 x 5 = 0
5.				Column Totals: 120 (A) 250 (B
6.				Prevalence Index = B/A = 2.08
7.				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-		X 2 - Dominance Test is >50%
1. Lythrum salicaria	30	Yes	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Phalaris arundinacea	30	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supportir
3. Onoclea sensibilis	5	No	FACW	data in Remarks or on a separate sheet)
4. Equisetum arvense	5	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Solidago gigantea	5	No	FACW	
6. Solidago rugosa	5	No	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.
7. Lysimachia nummularia	5	No	FACW	Definitions of Vegetation Strata:
8. Symphyotrichum novae-angliae	5	No	FACW	
9. Osmundastrum cinnamomeum	5	No	FACW	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diamet at breast height (DBH), regardless of height.
10. Athyrium angustum	5	No	FAC	
11.		<u> </u>		<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.		<u> </u>		
	100	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				
,				Woody vines – All woody vines greater than 3.28 ft in height.
				- Holgin.
		<u> </u>		Hydrophytic
4.		<u> </u>		Vegetation Present? Yes X No
4.		=Total Cover		
		= rotar Cover		

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument th	e indica	tor or co	nfirm the absence of indica	tors.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-1	10YR 2/2	100					Muck		
1-6	10YR 2/1	100					Muck	with organics	
6-12	10YR 2/1	90	10YR 5/4	5	С	М	Mucky Sand D	istinct redox concentrations	
			10YR 3/4	5	С	М	D	istinct redox concentrations	
		·							
		•		·					
		·					·		
		·		·					
		·		·					
	oncentration, D=Depl	letion, RM	Reduced Matrix, N	IS=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Pore		
Hydric Soil I								plematic Hydric Soils <sup>3</sup> :	
Histosol			Polyvalue Belo		ce (S8) ( <b>I</b>	.RR R,		0) (LRR K, L, MLRA 149B)	
	bipedon (A2)		MLRA 1498	,				edox (A16) (LRR K, L, R)	
Black His			Thin Dark Surf					at or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		High Chroma S					w Surface (S8) (LRR K, L)	
	I Layers (A5)	~ ( ^ 1 1 )	Loamy Mucky			( <b>K</b> , L)		ace (S9) (LRR K, L)	
	Below Dark Surface	e (ATT)	Loamy Gleyed		FZ)			e Masses (F12) (LRR K, L, R)	
	ark Surface (A12)		Depleted Matri					Iplain Soils (F19) (MLRA 149B)	
	lucky Mineral (S1)		Redox Dark Si					TA6) ( <b>MLRA 144A, 145, 149B</b> )	
	leyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)		
X Sandy R			Redox Depres		8)		Very Shallow Dark Surface (F22) Other (Explain in Remarks)		
? Stripped	fface (S7)		Marl (F10) (LR	(R K, L)				in Remarks)	
	f hydrophytic vegetat		etland hydrology mu	st be pre	esent, unl	ess distu	rbed or problematic.		
	<b>_ayer (if observed):</b> Ro								
Type: Depth (ir		12					Hydric Soil Present?	Yes X No	
Remarks:		12							
itemarks.									



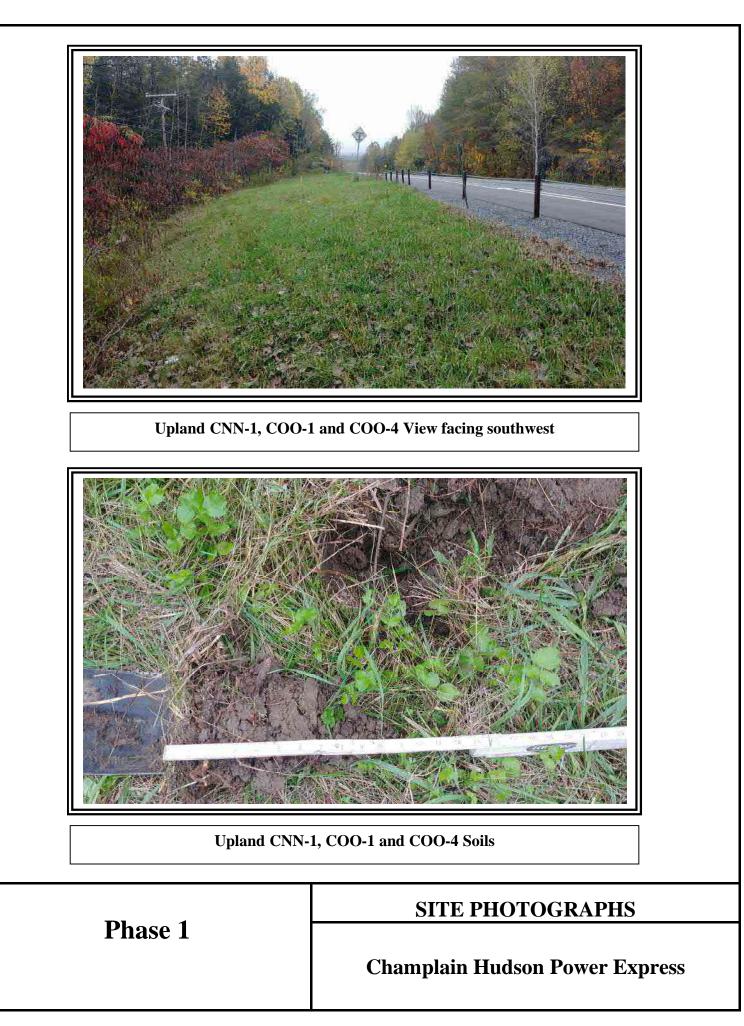
Project/Site: CHPE		City/County: Dresden / Washington Sampling D	ate: 10/13/21			
Applicant/Owner: TDI		State: NY Sampling	Point: UPL			
Investigator(s): J. Greaves, C. Scrivner		Section, Township, Range:				
Landform (hillside, terrace, etc.): Slight hillslo	pe Local re	lief (concave, convex, none): Convex	Slope %: 2			
Subregion (LRR or MLRA): LRR R	Lat: 43-39-31.75N		um: WGS 84			
Soil Map Unit Name: CHC - Charlton fine sand	ly loam, 3 to 8 percent slopes,	very stony NWI classification: NA				
Are climatic / hydrologic conditions on the site typ	pical for this time of year?	Yes X No (If no, explain in Re	marks.)			
Are Vegetation, Soil, or Hydrolog	gysignificantly disturbe	ed? Are "Normal Circumstances" present? Yes	X No			
Are Vegetation, Soil, or Hydrolog						
		bling point locations, transects, important	features, etc.			
	/es No X	Is the Sampled Area				
	res X No X	within a Wetland? Yes <u>No X</u>				
	res No X	If yes, optional Wetland Site ID:				
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicators (minimum of t	wo 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)	Moss Trim Lines (B16)				
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)	Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C	1) Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized Rhizospheres on	Living Roots (C3)Saturation Visible on Aerial Ima	gery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron		)			
Algal Mat or Crust (B4)	Recent Iron Reduction in 1	Filled 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 1	No X Depth (inches):					
Saturation Present? Yes 1	No X Depth (inches):	Wetland Hydrology Present? Yes	<u>No X</u>			
Saturation Present? Yes I (includes capillary fringe)	No X Depth (inches):	Wetland Hydrology Present? Yes	NoX			

Remarks:

Sampling Point: 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:(A)
3.        4.		·		Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5.           6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (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			<u> </u>	FACW species 10 x 2 = 20
2				FAC species <u>15</u> x 3 = <u>45</u>
3				FACU species <u>35</u> x 4 = <u>140</u>
4.				UPL species 40 x 5 = 200
5				Column Totals: 100 (A) 405 (B
6		<u> </u>		Prevalence Index = B/A = 4.05
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Lolium pratense	25	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Pastinaca sativa	25	Yes	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supportir
3. Setaria pumila	15	Yes	FAC	data in Remarks or on a separate sheet)
4. Phalaris arundinacea	10	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Lotus corniculatus	10	No	FACU	
6. Vicia cracca	5	No	UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.
7. Rhus typhina	5	No	UPL	Definitions of Vegetation Strata:
8. Rubia peregrina	5	No	UPL	
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diamet at breast height (DBH), regardless of height.
10.				
11.				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles 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 ir height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
· · · · · · · · · · · · · · · · · · ·		=Total Cover		
Remarks: (Include photo numbers here or on a separ		-1010.00111		
	die Sheet.			
I				

Depth	Matrix		Redo	x Featur	es			
nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-3	10YR 3/2	100					Loamy/Clayey	
3-7	10YR 3/1	80	10YR 5/3	20	С	М	Mucky Loam/Clay	Distinct redox concentrations
Type: C=Co	oncentration, D=Depl	etion, RM:	Reduced Matrix, M	S=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Pc	ore Lining, M=Matrix.
Black Hi Hydroge Stratified Depleted Thick Da Sandy M Sandy R Sandy R Stripped Dark Su	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) I Matrix (S6) rface (S7)		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	) Sands (S9) Sands (S Mineral ( Matrix (f x (F3) urface (F Surface sions (F8 <b>R K, L</b> )	(LRR R, 111) (LRF F1) (LRF F2) 6) (F7) 3)	MLRA 1 Ҟ K, L) Ҟ K, L)	Coast Prairie 5 cm Mucky I Polyvalue Be Thin Dark Su Iron-Mangane Piedmont Flo Mesic Spodic Red Parent N Very Shallow Other (Explai	A10) (LRR K, L, MLRA 149B) Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R low Surface (S8) (LRR K, L) rface (S9) (LRR K, L) ese Masses (F12) (LRR K, L, F odplain Soils (F19) (MLRA 149 (TA6) (MLRA 144A, 145, 149) Material (F21) Dark Surface (F22) n in Remarks)
	f hydrophytic vegetati	ion and we	etland hydrology mu	st be pre	esent, unl	ess distu	rbed or problematic.	
Type:	Layer (if observed): Roo nches):						Hydric Soil Present?	Yes <u>X</u> No

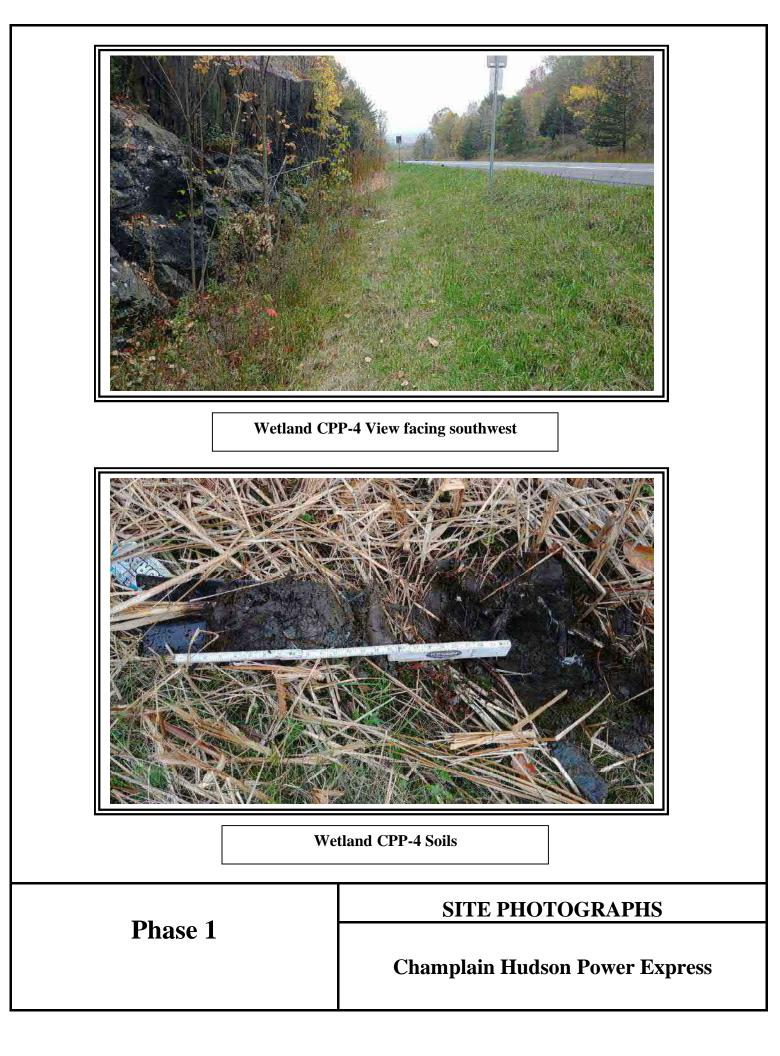


Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CPP-4
Investigator(s): C. Scrivner, C. Einstein	Section, Township, Range:
	elief (concave, convex, none): <u>Concave</u> Slope %: <u>1</u>
Subregion (LRR or MLRA): LRR R Lat: 43-39-27.12N	Long: <u>73-25-58.26W</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping	and sloping NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	ed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally 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 X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag CPP-4
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Emergent Marsh dominated by cattail. Edinger classification: Sha	llow Emergent Marsh.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	
Sediment Deposits (B2)Oxidized Rhizospheres of Deduced law	
Drift Deposits (B3) Presence of Reduced Iron	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present?     Yes     X     No     Depth (inches):       Saturation Present?     Yes     X     No     Depth (inches):	9 0 Wetland Undralagy Bracont? You You No
	0 Wetland Hydrology Present? Yes X No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Describe Recorded Data (stream gadge, monitoring weil, achar photos, prev	
Remarks:	

Sampling Point: WET CPP-4

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: 1 (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 85 x 1 = 85
1. Fraxinus americana	2	No	FACU	FACW species <u>15</u> x 2 = <u>30</u>
2		<u> </u>		FAC species x 3 =0
3.				FACU species 4 x 4 =16
4.				UPL species 0 x 5 = 0
5.				Column Totals: 104 (A) 131 (B)
6.		·		Prevalence Index = $B/A = 1.26$
7.				Hydrophytic Vegetation Indicators:
	2	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Typha angustifolia	70	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Lythrum salicaria	15	No	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
			FACW	data in Remarks or on a separate sheet)
Impatiens capensis     Symphyotrichum novae-angliae	5	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
<ol> <li>Symphyounchian novae-angliae</li> <li>Onoclea sensibilis</li> </ol>	5	No	FACW	
5.     Onociea sensibilis       6.	<u>ບ</u>		ΓΑΟΥΥ	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10		<u> </u>		Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Weeductines All weeductines greater than 2.20 ft in
1. Vitis aestivalis	2	No	FACU	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
2.				
3.		·		Hydrophytic
4.				Vegetation Present? Yes X No
	2	=Total Cover		
Remarks: (Include photo numbers here or on a sepa				
	ale sneel.			

Profile Desc	ription: (Describe t	o the dep	oth needed to docu	ment th	e indicat	or or co	nfirm the absence of indica	ators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-6	10YR 2/1	100					Muck		
6-11	10YR 3/2	80	10YR 5/4	10	С	Μ	Loamy/Clayey [	Distinct redox concentrations	
			10YR 5/4	10	С	PL		Distinct redox concentrations	
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Por	e Lining, M=Matrix.	
Hydric Soil	Indicators:							blematic Hydric Soils <sup>3</sup> :	
Histosol	(A1)		Polyvalue Belo	w Surfac	e (S8) (L	.RR R,	2 cm Muck (A	10) ( <b>LRR K, L, MLRA 149B</b> )	
Histic Ep	pipedon (A2)		MLRA 149B	)			? Coast Prairie F	Redox (A16) ( <b>LRR K, L, R</b> )	
Black Hi	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R,	MLRA 1	49B) 5 cm Mucky Po	eat or Peat (S3) (LRR K, L, R)	
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	11) ( <b>LRR</b>	K, L)	Polyvalue Belo	ow Surface (S8) (LRR K, L)	
Stratified	d Layers (A5)		Loamy Mucky	Mineral (	F1) ( <b>LRR</b>	K, L)	Thin Dark Surf	ace (S9) ( <b>LRR K, L</b> )	
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F	-2)		Iron-Manganes	se Masses (F12) ( <b>LRR K, L, R</b> )	
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Floo	dplain Soils (F19) ( <b>MLRA 149B</b> )	
Sandy M	lucky Mineral (S1)		X Redox Dark Su	urface (F	6)		Mesic Spodic (	(TA6) ( <b>MLRA 144A, 145, 149B</b> )	
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)		
Sandy R	edox (S5)		Redox Depress	sions (F8	3)		Very Shallow Dark Surface (F22)		
	Matrix (S6)		Marl (F10) (LR		,		Other (Explain in Remarks)		
	rface (S7)			. ,			、 、	,	
	f hydrophytic vegetati	on and w	etland hydrology mu	st be pre	sent, unl	ess distu	bed or problematic.		
	L <b>ayer (if observed):</b> Rock / C	abblaa							
							Undria Cail Present?		
	nches):	11					Hydric Soil Present?	Yes X No	
Remarks:									



Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CQQ-2
Investigator(s): C. Scrivner, C. Einstein	Section, Township, Range:
	elief (concave, convex, none): <u>Concave</u> Slope %: <u>1</u>
Subregion (LRR or MLRA): LRR R Lat: 43-39-22.87N	Long: <u>73-26-1.42W</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping	and sloping NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturbed	ed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problemat	ic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag CQQ-2
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Emergent Marsh dominated by cattail. Edinger classification: Shal	llow Emergent Marsh.
L HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B	9) Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres or	n Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iror	n (C4)Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in	Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks	s) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes X No Depth (inches):	6
Saturation Present? Yes X No Depth (inches):	0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ious inspections), if available:
Remarks:	

Sampling Point: WET CQQ-2

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				Total Number of Dominant Species Across All Strata: 1 (B)
5.				Percent of Dominant Species
6 7.				That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index worksheet:
/		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				$\frac{1}{\text{OBL species}} \begin{array}{c} 90 \\ x 1 = 90 \end{array}$
				FACW species 10 $x 2 = 20$
				FAC species $0 \times 3 = 0$
2				FACU species $0   x4 = 0$
4				UPL species $0 \times 5 = 0$
5				Column Totals: 100 (A) 110 (B)
6				
7.				Prevalence Index = B/A = 1.10 Hydrophytic Vegetation Indicators:
/		=Total Cover		
Herb Stratum (Plot size: 5')	·			1 - Rapid Test for Hydrophytic Vegetation
	00	Mar		X 2 - Dominance Test is >50%
1. Typha angustifolia	80	Yes		<u>X</u> 3 - Prevalence Index is $\leq 3.0^1$
2. Lythrum salicaria	10	No	OBL	<ul> <li>4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
3. <u>Phalaris arundinacea</u>	10	No	FACW	
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be
6				present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a separation of the sep	ate sheet.)			

	• •	to the dep				tor or co	nfirm the absence of indicat	tors.)	
Depth	Matrix			x Featur		. 2			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-7	10YR 2/1	100					Muck		
7-10	10YR 4/2	80	10YR 5/6	10	С	М	Loamy/Clayey Pro	priment redox concentrations	
			10YR 5/6	10	С	PL	Pro	minent redox concentrations	
·									
				·			<u> </u>		
							·		
				·					
	oncentration, D=Depl	etion, RM	=Reduced Matrix, M	IS=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Pore	-	
Hydric Soil I			Debuglue Dela		· · · · · · · · · · · · · · · · · · ·			olematic Hydric Soils <sup>3</sup> :	
Histosol	(A1) bipedon (A2)		Polyvalue Belo		;e (58) (L	.RR R,		0) ( <b>LRR K, L, MLRA 149B</b> ) edox (A16) ( <b>LRR K, L, R</b> )	
Black His			Thin Dark Surf	,	(I RR R	MIRA 1		at or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		High Chroma S					w Surface (S8) (LRR K, L)	
	Layers (A5)		Loamy Mucky				Thin Dark Surface (S9) (LRR K, L)		
	Below Dark Surface	e (A11)	Loamy Gleyed			, _/		e Masses (F12) (LRR K, L, R)	
	ark Surface (A12)	( )	Depleted Matri		,			Iplain Soils (F19) (MLRA 149B)	
	lucky Mineral (S1)		Redox Dark S	. ,	6)			ГА6) ( <b>MLRA 144A, 145, 149B</b> )	
	leyed Matrix (S4)		Depleted Dark	•	,		Red Parent Ma		
	edox (S5)		Redox Depres		. ,			ark Surface (F22)	
	Matrix (S6)		Marl (F10) (LR		,		Other (Explain i		
	face (S7)							·	
3									
	f hydrophytic vegetati _ayer (if observed):	on and w	etland hydrology mu	st be pre	sent, unl	ess distu	rbed or problematic.		
Type:	Roc	ck							
	nches):	10					Hydric Soil Present?	Yes X No	
Remarks:	,								
Nemarks.									



**Champlain Hudson Power Express** 

Project/Site: CHPE	City/County	/: Dresden / Washington	Sampling Date: 10/15/21		
Applicant/Owner: TDI		State: NY	Sampling Point: UPL		
Investigator(s): C. Scrivner, C. Einstein	Se	ection, Township, Range:			
Landform (hillside, terrace, etc.): Hillslope / roa	adside shoulder Local relief (conca	ve, convex, none): Concave	Slope %: 2		
Subregion (LRR or MLRA): LRR R	Lat: 43-39-24.06N	Long: 73-26-0.67W	Datum: WGS 84		
Soil Map Unit Name: HNC - Hollis-Rock outcrop	association, gently sloping and sloping	NWI classification:	NA		
Are climatic / hydrologic conditions on the site typ	ical for this time of year?	Yes X No (If no,	explain in Remarks.)		
Are Vegetation, Soil, or Hydrology	<pre>/significantly disturbed?</pre>	Are "Normal Circumstances" pres	ent? Yes X No		
Are Vegetation, Soil, or Hydrology	/naturally problematic?	(If needed, explain any answers ir	n Remarks.)		
SUMMARY OF FINDINGS – Attach sit	e map showing sampling poi	int locations, transects, in	nportant features, etc.		
		,			
Hydrophytic Vegetation Present? Ye		mpled Area			
Hydric Soil Present? Ye		Wetland? Yes	No <u>X</u>		
Wetland Hydrology Present? Ye	s No X If yes, op	tional Wetland Site ID:			
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Indicators (	minimum of two required)		
Primary Indicators (minimum of one is required;	check all that apply)	Surface Soil Crack	s (B6)		
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns	(B10)		
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B	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 Stresse	d Plants (D1)		
Algal Mat or Crust (B4)	_Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Positi	on (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (	D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic F	Relief (D4)		
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test	(D5)		
Field Observations:					

Surface Water Present?	Yes	No <u>X</u>	Depth (inches):	
Water Table Present?	Yes	No <u>X</u>	Depth (inches):	
Saturation Present?	Yes	No <u>X</u>	Depth (inches):	Wetland Hydrology Present?
(includes capillary fringe)				
Describe Recorded Data (s	tream gauge,	monitoring wel	l, aerial photos, previous inspe	ections), if available:
Distance of a				

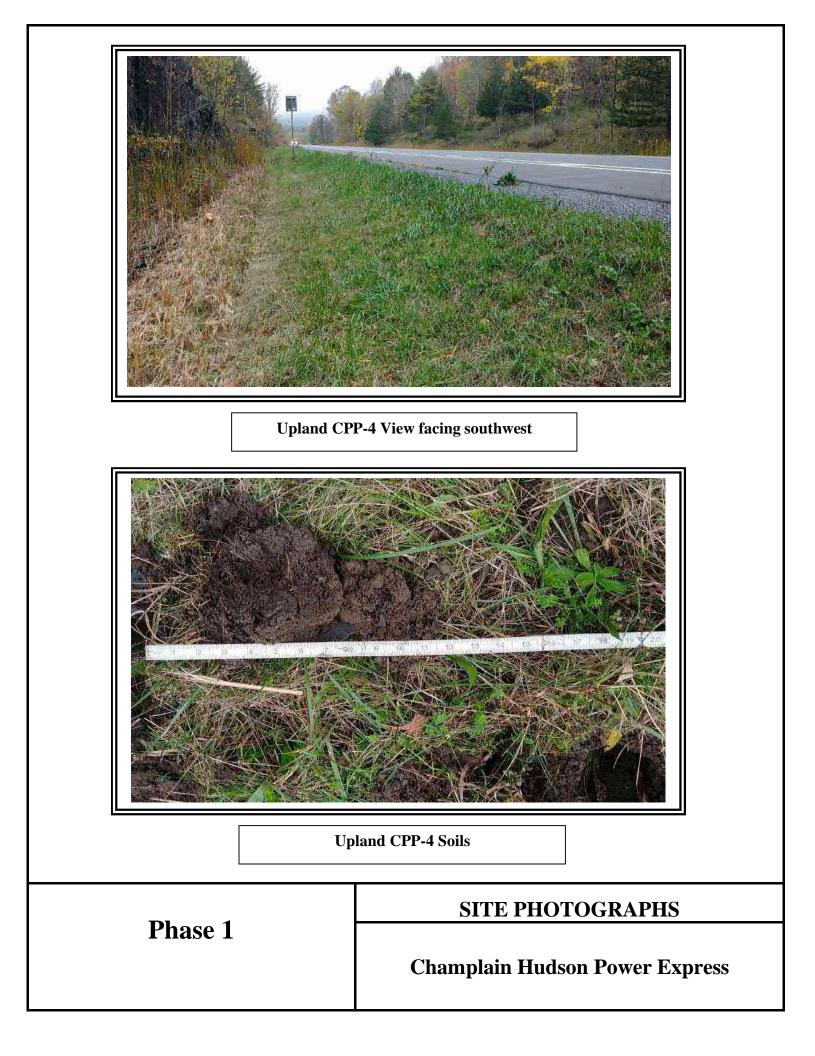
Remarks:

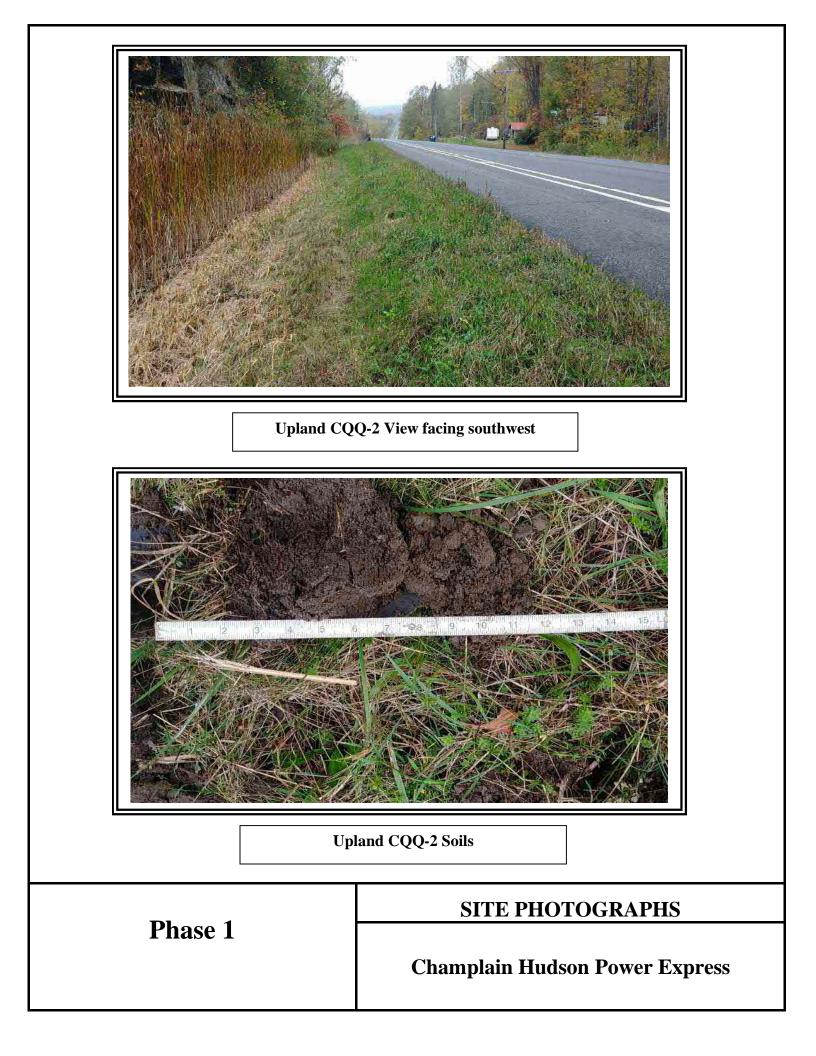
Yes No X

Sampling Point: UPL

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1.							
2.				Number of Dominant SpeciesThat Are OBL, FACW, or FAC:1(A)			
3.				Tatal Number of Deminent			
4.				Total Number of DominantSpecies Across All Strata:3(B)			
5.				Percent of Dominant Species			
6.				That Are OBL, FACW, or FAC: 33.3% (A/B)			
7.				Prevalence Index worksheet:			
	:	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =			
1				FACW species 0 x 2 = 0			
2				FAC species X 3 =90			
3				FACU species 35 x 4 =140			
4				UPL species 35 x 5 =175			
5				Column Totals: 100 (A) 405 (B)			
6.				Prevalence Index = B/A = 4.05			
7.				Hydrophytic Vegetation Indicators:			
	:	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%			
1. Lolium pratense	30	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Setaria pumila	30	Yes	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
3. Rubia peregrina	20	Yes	UPL	data in Remarks or on a separate sheet)			
4. Rubia peregrina	10	No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Vicia cracca	5	No	UPL	<sup>1</sup> Indicators of hydric soil and wotland hydrology must be			
6. Trifolium pratense	5	No	FACU	<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>			
7.				Definitions of Vegetation Strata:			
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter			
9.				at breast height (DBH), regardless of height.			
10.				Sapling/shrub – Woody plants less than 3 in. DBH			
11				and greater than or equal to 3.28 ft (1 m) tall.			
12.				Herb – All herbaceous (non-woody) plants, regardless			
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2							
3				Hydrophytic Vegetation			
4				Present? Yes No X			
	:	=Total Cover					
Remarks: (Include photo numbers here or on a separa	ate sheet.)						

Depth	Matrix			x Featu			nfirm the absence of indic	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-11	10YR 3/2	100			·		Sandy	
					·			
					·			
					·			
					·			
					·			
					·			
		letion, RM	=Reduced Matrix, M	S=Mask	ked Sand	Grains.		re Lining, M=Matrix.
Hydric Soil I								oblematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo		ce (S8) ( <b>L</b>	.RR R,		10) ( <b>LRR K, L, MLRA 149B</b> )
	ipedon (A2)		MLRA 149B	,				Redox (A16) ( <b>LRR K, L, R</b> )
Black His	. ,		Thin Dark Surf					Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					ow Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			R K, L)		face (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			ese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri					odplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su					(TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent M	aterial (F21)
	edox (S5)		Redox Depress		8)			Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	<b>R K, L</b> )			Other (Explain	n in Remarks)
Dark Sur	face (S7)							
			etland hydrology mu	st be pre	esent, unl	ess distu	rbed or problematic.	
	ayer (if observed):							
	Rock / C							
Depth (in	iches):	11					Hydric Soil Present?	Yes <u>No X</u>
Remarks:							•	



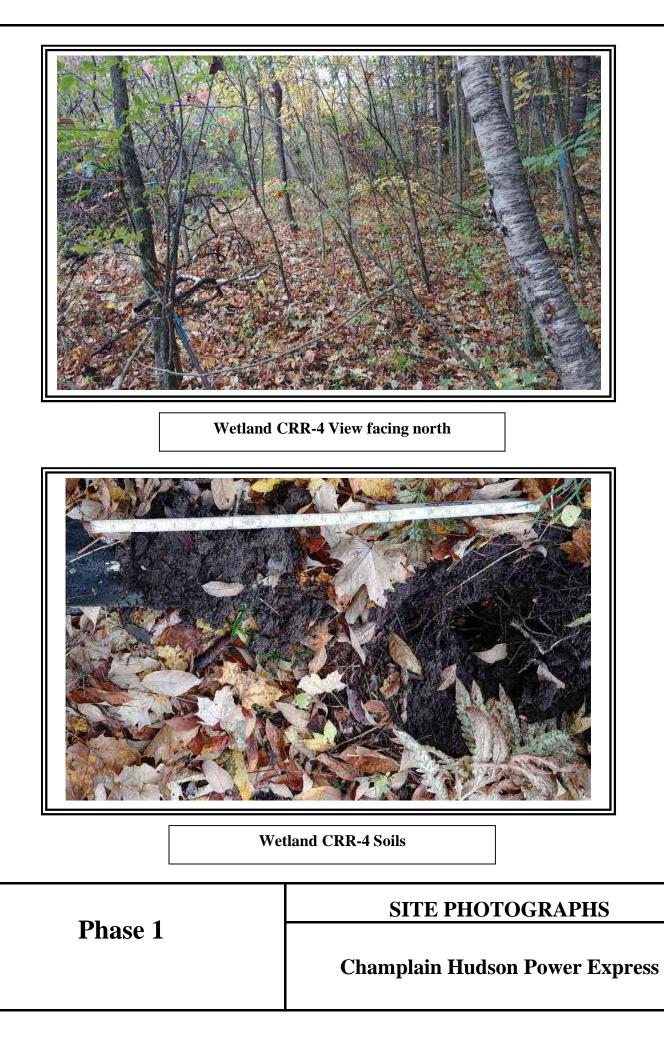


Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CRR-4
Investigator(s): C. Scrivner, C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Flat Loca	Il relief (concave, convex, none): <u>None</u> Slope %: <u>0</u>
Subregion (LRR or MLRA): LRR R Lat: 43-39-20.35N	Long: 73-26-2.27W Datum: WGS 84
Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently slopin	ng and sloping NWI classification: PFO1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distu	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present?     Yes     X     No       Wetland Hydrology Present?     Yes     X     No	within a Wetland? Yes X No If yes, optional Wetland Site ID: Near Flag CRR-4
	il yes, optional Wetland Site ID. Neal Flag CKK-4
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Forested Wetland. Edinger classification: Red-maple Hardwood	d Swamp
Talustille Folested Wetland. Lunger classification. Red-maple Hardwood	u Swamp.
L HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor	
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced I	
Algal Mat or Crust (B4) Recent Iron Reduction	
Iron Deposits (B5) Thin Muck Surface (C7	,
Inundation Visible on Aerial Imagery (B7) X Other (Explain in Rema	arks) 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	):
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, pr	revious inspections), if available:
Remarks:	
Adjacent to stream CS24.	

Sampling Point: WET CRR-4

Tree Stratum (Plot size: 30')	Absolute % Cover		Indicator Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	40	Yes	FACW	
2. Acer saccharum	20	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:4(A
3. Betula populifolia	10	No	FAC	
4. Quercus rubra	5	No	FACU	Total Number of Dominant         Species Across All Strata:       6         (B)
5. Ulmus americana	5	No	FACW	Demonst of Deminent Creation
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A
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. Fraxinus americana	10	Yes	FACU	FACW species 110 x 2 = 220
2. Acer rubrum	10	Yes	FAC	FAC species 30 x 3 = 90
3. Ulmus americana	10	Yes	FACW	FACU species 52 x 4 = 208
4. Lonicera morrowii	5	No	FACU	UPL species 0 x 5 = 0
5. Viburnum lentago	5	No	FAC	Column Totals: 192 (A) 518
6.				Prevalence Index = B/A = 2.70
7.				Hydrophytic Vegetation Indicators:
	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-		X 2 - Dominance Test is >50%
1. Onoclea sensibilis	45	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^1$
2. Lonicera morrowii	5	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide suppor
3. Acer rubrum	5	No	FAC	data in Remarks or on a separate sheet)
4. Solidago gigantea	5	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Lysimachia nummularia	5	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology mus
6. Geranium robertianum	5	No	FACU	present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diam
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.
40				Herb – All herbaceous (non-woody) plants, regardle
12.	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.
12	10			
Woody Vine Stratum (Plot size: 30')				Weedy vince All weedy vince greater than 2.29 ft
	2	No	FACU	Woody vines – All woody vines greater than 3.28 ft height.
Woody Vine Stratum (Plot size: 30')		No	FACU	
<u>Woody Vine Stratum</u> (Plot size: <u>30'</u> ) 1. <u>Vitis aestivalis</u>		No	FACU	height. Hydrophytic
<u>Woody Vine Stratum</u> (Plot size: <u>30'</u> ) 1. <u>Vitis aestivalis</u> 2.		<u>No</u>	FACU	height.

Profile Desc	ription: (Describe	to the de	oth needed to docu	ument th	e indica	tor or co	nfirm the absence of indica	tors.)	
Depth	 Matrix			ox Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-7	10YR 2/1	100					Loamy/Clayey		
7-10	10YR 4/1	90	10YR 4/3	10	С	М	Loamy/Clayey D	listinct redox concentrations	
				·					
				·					
							·		
<u> </u>									
				·					
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, M	1S=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Pore	e Lining, M=Matrix.	
Hydric Soil I		*						blematic Hydric Soils <sup>3</sup> :	
Histosol	(A1)		Polyvalue Belo	ow Surfac	ce (S8) ( <b>I</b>	LRR R,	2 cm Muck (A1	0) ( <b>LRR K, L, MLRA 149B</b> )	
Histic Ep	ipedon (A2)		MLRA 149E	<b>B</b> )			Coast Prairie R	edox (A16) ( <b>LRR K, L, R</b> )	
Black His	stic (A3)		Thin Dark Sur	face (S9)	(LRR R	, MLRA 1	<b>49B</b> ) 5 cm Mucky Pe	eat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		High Chroma				Polyvalue Below Surface (S8) (LRR K, L)		
	Layers (A5)		Loamy Mucky			R K, L)	Thin Dark Surface (S9) (LRR K, L)		
	Below Dark Surface	e (A11)	Loamy Gleyed		-2)			e Masses (F12) (LRR K, L, R)	
	rk Surface (A12)		Depleted Matr					dplain Soils (F19) ( <b>MLRA 149B</b> )	
Sandy M	ucky Mineral (S1)		Redox Dark S	urface (F	6)		Mesic Spodic (	TA6) ( <b>MLRA 144A, 145, 149B</b> )	
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Ma		
	edox (S5)		Redox Depres		3)			oark Surface (F22)	
	Matrix (S6)		Marl (F10) (LF	RRK,L)			Other (Explain	in Remarks)	
Dark Sur	face (S7)								
<sup>3</sup> Indicators of	hydrophytic vegetati	ion and w	atland bydrology mu	ict ha pro	cont un	loce dictu	rhad ar problematic		
	-ayer (if observed):	on and w	elianu nyurology mu	ist be pre	sent, un				
Туре:	Roc	ck							
Depth (ir		10					Hydric Soil Present?	Yes X No	
Remarks:		-							
Remarks:									



Project/Site: CHPE			City/County: Dresden	n / Washington	Sampling Date: 10/15/21
Applicant/Owner: TDI				State: NY	Sampling Point: UPL CRR-4
Investigator(s): C. Scrivner, C. Ein	istein		Section, Tow	vnship, Range:	
Landform (hillside, terrace, etc.):	Hillslope	Local re	elief (concave, convex	(, none): <u>Concave</u>	Slope %: 3
Subregion (LRR or MLRA): LRR I	R Lat:	43-39-20.46N	Long:	73-26-2.99W	Datum: WGS 84
Soil Map Unit Name: HNC - Hollis	S-Rock outcrop associa	tion, gently sloping	and sloping	NWI classification:	NA
Are climatic / hydrologic conditions	on the site typical for th	his time of year?	Yes X	No (If no, e	explain in Remarks.)
Are Vegetation , Soil	, or Hydrology	significantly disturbe		al Circumstances" prese	
Are Vegetation, Soil				, explain any answers in	Remarks.)
SUMMARY OF FINDINGS -				ions, transects, im	nportant features, etc.
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Are	ea	
Hydric Soil Present?	Yes	No X	within a Wetland?		No X
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetl	land Site ID:	
Remarks: (Explain alternative pro Successional Shrubland / Riprap h		parate report.)			
HYDROLOGY					
Wetland Hydrology Indicators:				Secondary Indicators (m	ninimum of two required)
Primary Indicators (minimum of on	<u>ie is required; check all</u>	that apply)	<u> </u>	Surface Soil Cracks	; (B6)
Surface Water (A1)		-Stained Leaves (BS	Э)	Drainage Patterns (	
High Water Table (A2)	·	ic Fauna (B13)		Moss Trim Lines (B	,
Saturation (A3)		eposits (B15)		Dry-Season Water	( )
Water Marks (B1)	Hydrog	gen Sulfide Odor (C	.1)	Crayfish Burrows (C	(8)
Sediment Deposits (B2)	Oxidiz	ed Rhizospheres or	1 Living Roots (C3)	Saturation Visible or	n Aerial Imagery (C9)

(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe	ctions), if available:

No X

Presence of Reduced Iron (C4)

Depth (inches):

Thin Muck Surface (C7)

No X Depth (inches):

No X Depth (inches):

Other (Explain in Remarks)

Recent Iron Reduction in Tilled Soils (C6)

besonde recorded Data (stream gauge, monitoring weil, aenal photos, previous inspections), il av

Remarks:

Drift Deposits (B3)

Iron Deposits (B5)

**Field Observations:** 

Surface Water Present?

Water Table Present?

Saturation Present?

Algal Mat or Crust (B4)

Inundation Visible on Aerial Imagery (B7)

Sparsely Vegetated Concave Surface (B8)

Yes

Yes

Yes

Yes No X

Stunted or Stressed Plants (D1)

Geomorphic Position (D2)

Microtopographic Relief (D4)

Shallow Aquitard (D3)

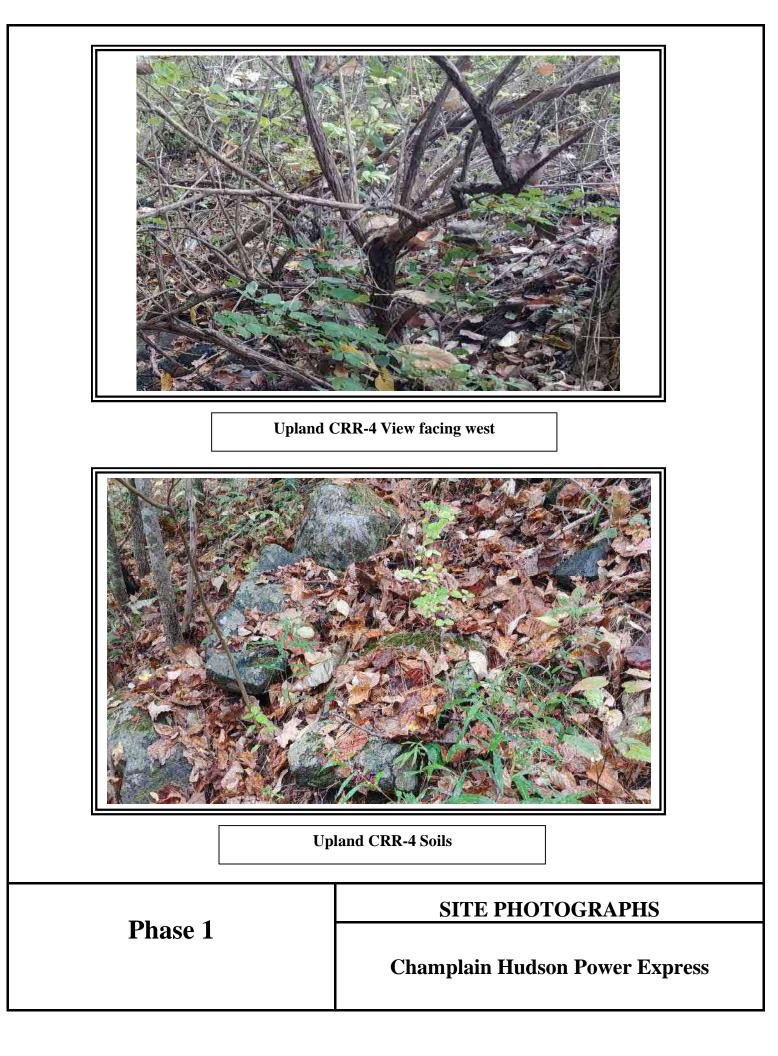
FAC-Neutral Test (D5)

Wetland Hydrology Present?

Sampling Point: UPL CRR-4

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus americana	10	Yes	FACU	Number of Dominant Species
2				That Are OBL, FACW, or FAC: 0 (A)
3 4				Total Number of Dominant         Species Across All Strata:         5         (B)
5 5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B
7.				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15'	)	-		OBL species 0 $x 1 = 0$
1. Lonicera morrowii	<i>6</i> 0	Yes	FACU	FACW species $0   x 2 = 0$
2. Fraxinus americana	10	No	FACU	FAC species $0 \times 3 = 0$
3. Rhus typhina	10	No	UPL	FACU species 145 x 4 = 580
4. Quercus alba	5	No	FACU	UPL species 20 x 5 = 100
5.				Column Totals: 165 (A) 680 (B
				Prevalence Index = $B/A = 4.12$
7.				Hydrophytic Vegetation Indicators:
·	85	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Solidago canadensis	35	Yes	FACU	$3 - Prevalence Index is \leq 3.0^{1}$
2. Lonicera morrowii	<u></u>	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supportir
3. Rhus typhina	<u> </u>	No	UPL	data in Remarks or on a separate sheet)
4. Pinus strobus	<u>10</u> 5	No No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.			1400	_
б				<sup>1</sup> Indicators of hydric soil and wetland hydrology must b present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
3 9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10	_			Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb - All herbaceous (non-woody) plants, regardless
	65	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 30'	)			Woody vines – All woody vines greater than 3.28 ft ir
	5	Yes	FACU	height.
1. Vitis aestivalis				
1. <u>Vitis aestivalis</u> 2.				Lydrophytic
				Hydrophytic Vegetation
2.				

Profile Description: (Des	cribe to the dep	oth needed to docu	ment th	e indica	tor or co	nfirm the absence of indicate	ors.)	
Depth Ma	atrix	Redo	x Featur	res				
(inches) Color (mo	oist) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
						,		
·								
<u></u>								
<sup>1</sup> Type: C=Concentration, D	-Depletion RM	-Reduced Matrix M	S-Mask	ed Sand	Grains	<sup>2</sup> Location: PL=Pore	Lining M-Matrix	
Hydric Soil Indicators:			0-111031	eu ouriu	Oraino.		ematic Hydric Soils <sup>3</sup> :	
Histosol (A1)		Polyvalue Belo	w Surfa	ce (S8) ( <b>I</b>	RR R.		) (LRR K, L, MLRA 14	
Histic Epipedon (A2)		 MLRA 149B			,		dox (A16) ( <b>LRR K, L,</b> I	
Black Histic (A3)		Thin Dark Surf	,	) (LRR R,	MLRA 1		t or Peat (S3) (LRR K,	,
Hydrogen Sulfide (A4)		High Chroma S					Surface (S8) (LRR K,	
Stratified Layers (A5)		Loamy Mucky					ce (S9) (LRR K, L)	,
Depleted Below Dark S	Surface (A11)	Loamy Gleyed			. ,		Masses (F12) (LRR K	K, L, R)
Thick Dark Surface (A1		Depleted Matri				Piedmont Flood	plain Soils (F19) (MLR	A 149B)
Sandy Mucky Mineral (		Redox Dark Su		6)			A6) (MLRA 144A, 145	
Sandy Gleyed Matrix (S		Depleted Dark				Red Parent Mate		. ,
Sandy Redox (S5)	,	Redox Depres				Very Shallow Da		
Stripped Matrix (S6)		Marl (F10) (LR		,		Other (Explain in		
Dark Surface (S7)								
<sup>3</sup> Indicators of hydrophytic ve	egetation and w	etland hydrology mu	st be pre	esent, unl	ess distu	rbed or problematic.		
Restrictive Layer (if obser								
Type: R	ock / Riprap							
Depth (inches):	0					Hydric Soil Present?	Yes No	х
Remarks:								
Remarks.								
Riprap / Rock hillslide. Soils	s not obtained d	ue to the significant a	amount	of riprap.				

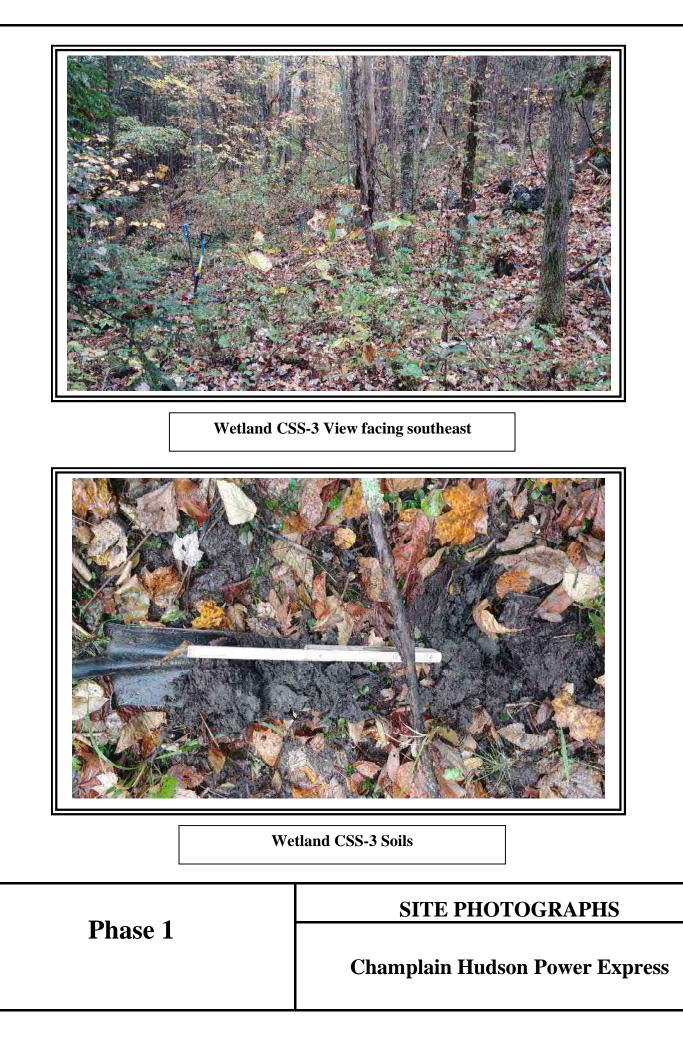


Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21
Applicant/Owner: TDI	State: NY Sampling Point: wet css-3
Investigator(s): C. Scrivner, C. Einstein	Section, Township, Range:
	relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-39-18.30N	Long: 73-26-3.53W Datum: WGS 84
Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag CSS-3
Remarks: (Explain alternative procedures here or in a separate report.)	<u> </u>
Palustrine Forested Wetland. Edinger classification: Red-maple Hardwood	Swamp.
L HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	B9) X Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (	(C1) Crayfish Burrows (C8)
X Sediment Deposits (B2) Oxidized Rhizospheres of	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar Sparsely Vegetated Concave Surface (B8)	ks)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):	
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

Sampling Point: WET CSS-3

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	30	Yes	FACW	Number of Dominant Species
2. Acer rubrum	20	Yes	FAC	That Are OBL, FACW, or FAC:3 (A)
3. Fraxinus americana	15	No	FACU	Total Number of Dominant
4. Betula populifolia	10	No	FAC	Species Across All Strata: 6 (B)
5. Tsuga canadensis	5	No	FACU	Descent of Deminent Species
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/E
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. Hamamelis virginiana	15	Yes	FACU	FACW species 73 x 2 = 146
2. Lonicera morrowii	10	Yes	FACU	FAC species 40 x 3 = 120
3. Viburnum lentago	5	No	FAC	FACU species 65 x 4 = 260
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 178 (A) 526 (E
6.				Prevalence Index = $B/A = 2.96$
7.				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Lysimachia nummularia	40	Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Tussilago farfara	20	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporti
3. Equisetum arvense	5	No	FAC	data in Remarks or on a separate sheet)
4. Onoclea sensibilis	2	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Phalaris arundinacea	1	No	FACW	
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				-
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diamet at breast height (DBH), regardless of height.
10.				
11	-			<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	68	=Total Cover		<b>Herb</b> – 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.
1.				
				Hydrophytic
2.				
2 3				Vegetation
2		=Total Cover		

Profile Desc	ription: (Describe	to the de	oth needed to docu	ment th	e indica	or or co	nfirm the absence of indic	cators.)
Depth	 Matrix			x Featur				,
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-3	10YR 2/1	100					Muck	
3-10	10YR 3/1	90	10YR 5/1	10	С	М	Mucky Sand	Faint redox concentrations
		·						
		·						
		·						
		·						
1		· <u> </u>						
	oncentration, D=Depl	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		ore Lining, M=Matrix. oblematic Hydric Soils <sup>3</sup> :
Hydric Soil I Histosol			Polyvalue Belo		oo (S9) (I			10) (LRR K, L, MLRA 149B)
	vipedon (A2)		MLRA 149B		Je (30) (L	-ΛΛ Λ,		Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	,	(LRR R.	MLRA 1		Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					low Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					rface (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	e (A11)	Loamy Gleyed			, _,		ese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	· · ·	Depleted Matri		,			odplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			(TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark				Red Parent M	
	edox (S5)		Redox Depres	sions (F8	3)		Very Shallow	Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR				Other (Explai	n in Remarks)
X Dark Sur	face (S7)							
	hydrophytic vegetati	ion and w	etland hydrology mu	st be pre	esent, unl	ess distu	rbed or problematic.	
	ayer (if observed):							
Туре:	Roc							
Depth (ir	nches):	10					Hydric Soil Present?	Yes X No
Remarks:								
1								



Project/Site: CHPE		City/County: Dresden / Washington	Sampling Date: 10/15/21
Applicant/Owner: TDI		State: NY	Sampling Point: UPL CSS-3
Investigator(s): C. Scrivner, C. Einstein		Section, Township, Range:	
Landform (hillside, terrace, etc.): Hills	lope Local r	elief (concave, convex, none): Concave	Slope %: 3
Subregion (LRR or MLRA): LRR R	Lat: 43-39-18.58N	Long: 73-26-3.81W	Datum: WGS 84
Soil Map Unit Name: HNC - Hollis-Roc	k outcrop association, gently sloping	and sloping NWI classification	n: NA
Are climatic / hydrologic conditions on the	e site typical for this time of year?	Yes X No (If no	, explain in Remarks.)
Are Vegetation, Soil, or H			
Are Vegetation, Soil, or H			
		pling point locations, transects,	important features, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Area	
Hydric Soil Present?	Yes No X	within a Wetland? Yes	No_X
Wetland Hydrology Present?	Yes No X	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedur Successional Northern Hardwoods.	res here or in a separate report.)		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators	(minimum of two required)
Primary Indicators (minimum of one is r	equired; check all that apply)	Surface Soil Crac	cks (B6)
Surface Water (A1)	Water-Stained Leaves (B	39) Drainage Pattern	s (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines	( )
Saturation (A3)	Marl Deposits (B15)	Dry-Season Wate	( )
Water Marks (B1)	Hydrogen Sulfide Odor (0	C1) Crayfish Burrows	(C8)
Sediment Deposits (B2)	Oxidized Rhizospheres o	on Living Roots (C3) Saturation Visible	on Aerial Imagery (C9)

(includes capillary fringe)			
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos	, previous inspections	s), if available:

Presence of Reduced Iron (C4)

Thin Muck Surface (C7)

No X Depth (inches):

No X Depth (inches): No X Depth (inches):

Other (Explain in Remarks)

Recent Iron Reduction in Tilled Soils (C6)

Remarks:

Drift Deposits (B3)

Iron Deposits (B5)

Field Observations: Surface Water Present?

Water Table Present?

Saturation Present?

Algal Mat or Crust (B4)

Inundation Visible on Aerial Imagery (B7)

Sparsely Vegetated Concave Surface (B8)

Yes

Yes

Yes

Yes \_\_\_\_ No \_ X

Stunted or Stressed Plants (D1)

Geomorphic Position (D2)

Microtopographic Relief (D4)

Shallow Aquitard (D3)

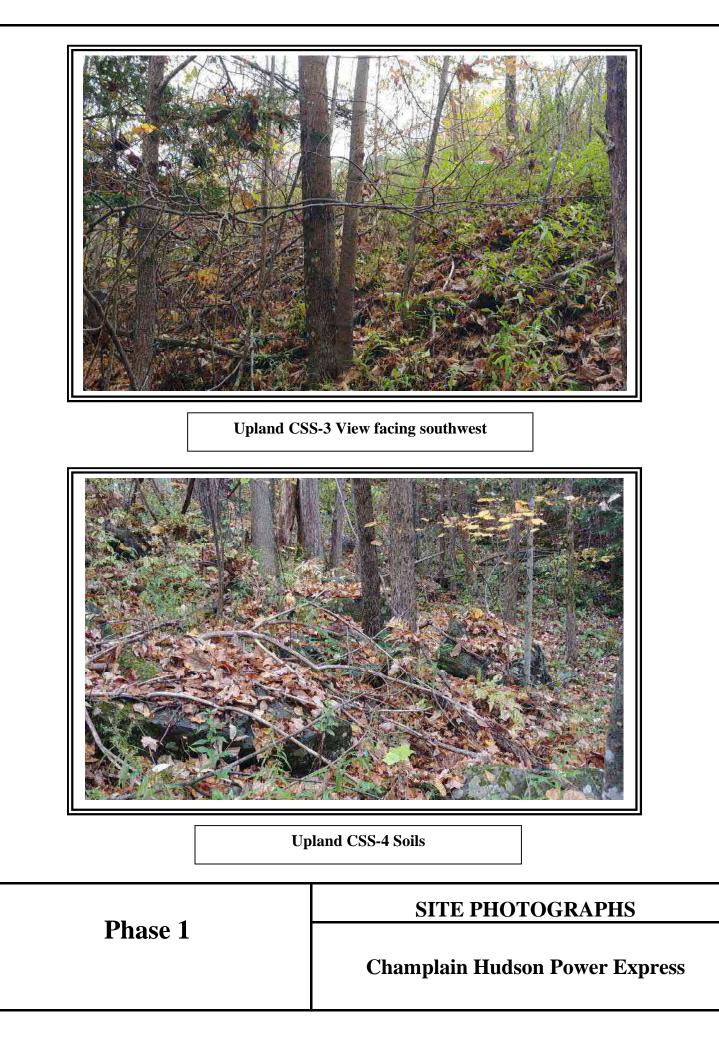
FAC-Neutral Test (D5)

Wetland Hydrology Present?

Sampling Point: UPL CSS-3

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus americana	40	Yes	FACU	
2. Betula papyrifera	10	No	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:0(A)
3. Tsuga canadensis	10	No	FACU	
4. Pinus strobus	5	No	FACU	Total Number of DominantSpecies Across All Strata:44
5. Ulmus americana	5	No	FACW	
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (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. Hamamelis virginiana	20	Yes	FACU	FACW species 10 x 2 = 20
2. Viburnum lentago	5	No	FAC	FAC species 10 x 3 = 30
3Tsuga canadensis	2	No	FACU	FACU species 149 x 4 = 596
4.				UPL species 0 x 5 = 0
5.				Column Totals: 169 (A) 646 (B
6.				Prevalence Index = B/A = 3.82
7.				Hydrophytic Vegetation Indicators:
	27	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-		2 - Dominance Test is >50%
1. Solidago caesia	40	Yes	FACU	$3 - Prevalence Index is \leq 3.0^1$
2. Symphyotrichum ericoides	10	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supportin
	5	No	FAC	data in Remarks or on a separate sheet)
3. <u>Equisetum arvense</u> 4. Lonicera morrowii	5	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Onoclea sensibilis	5	No	FACW	
	2		FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. <u>Acer pensylvanicum</u>	Z	No	FACU	present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diamet
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, regardles
	67	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1. Vitis aestivalis	5	Yes	FACU	height.
2				Hydrophytic
3				Vegetation
4		<u> </u>		Present? Yes <u>No X</u>
	5	=Total Cover		

Depth	Matrix	o the de		x Featur			nfirm the absence of indicate	015.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remark	s
<u> </u>			<u>,                                 </u>						
							·		
<u> </u>									
<sup>1</sup> Type: C=Cond	centration, D=Deple	etion, RM	I=Reduced Matrix, M	S=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Pore	Lining, M=Matr	ix.
Hydric Soil Inc		,	,				Indicators for Prob		
Histosol (A	.1)		Polyvalue Belo	w Surfa	ce (S8) ( <b>L</b>	.RR R,	2 cm Muck (A10	) (LRR K, L, M	LRA 149B)
Histic Epip	edon (A2)		MLRA 149B	)			Coast Prairie Re	edox (A16) ( <b>LRI</b>	R K, L, R)
Black Histi	c (A3)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1	49B) 5 cm Mucky Pea	at or Peat (S3) (	LRR K, L, R)
Hydrogen	Sulfide (A4)		High Chroma S	Sands (S	611) ( <b>LRF</b>	k K, L)	Polyvalue Below	Surface (S8) (	LRR K, L)
Stratified L	ayers (A5)		Loamy Mucky I	Mineral	(F1) ( <b>LRF</b>	R K, L)	Thin Dark Surface	ce (S9) ( <b>LRR K</b>	, L)
Depleted E	elow Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Manganese	Masses (F12)	(LRR K, L, R)
Thick Dark	Surface (A12)		Depleted Matrix	x (F3)			Piedmont Flood	olain Soils (F19	) (MLRA 149B)
Sandy Muc	ky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spodic (T	A6) ( <b>MLRA 14</b> 4	<b>1</b> A, 145, 149B)
	yed Matrix (S4)		Depleted Dark				Red Parent Mate		
Sandy Rec			Redox Depress		8)		Very Shallow Da		2)
Stripped M			Marl (F10) ( <b>LR</b>	<b>R K, L</b> )			Other (Explain in	n Remarks)	
Dark Surfa	ce (S7)								
3									
		on and w	etland hydrology mus	st be pre	esent, unl	ess distu	rbed or problematic.		
	yer (if observed):								
	Rock / B								
Depth (incl	nes):	0					Hydric Soil Present?	Yes	No <u>X</u>
Remarks:									
			:						
NO SOIIS Laken	due to rock and bo		side.						

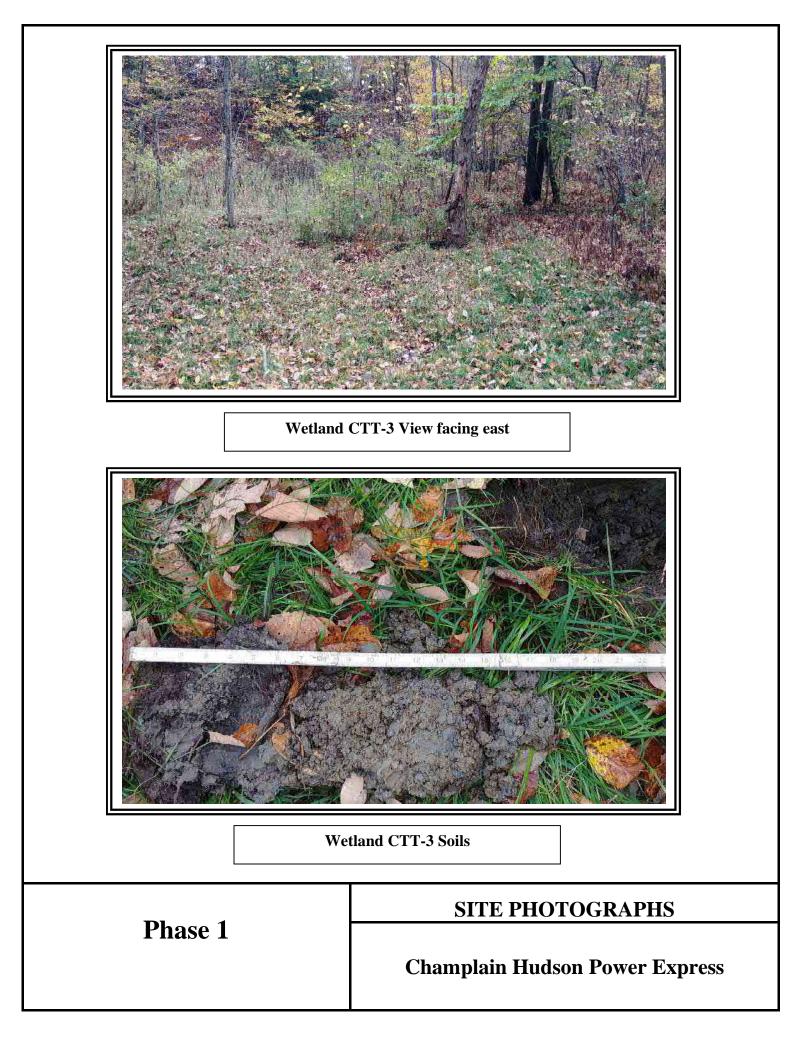


Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CTT-3
Investigator(s): C. Scrivner, C. Einstein	Section, Township, Range:
	lief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-39-10.96N	Long: 73-26-10.25W Datum: WGS 84
· · · · <u> </u>	
Soil Map Unit Name: <u>HLE - Hollis-Charlton association, moderately steep and</u>	
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 disturbe	
Are Vegetation, Soil, or Hydrologynaturally problemation	c? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing samp	bling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag CTT-3
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Emergent Marsh. Edinger classification: Sedge Meadow.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained Leaves (B9	Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	1) 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	
Algal Mat or Crust (B4)Recent Iron Reduction in T	
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 FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	
Water Table Present?     Yes     X     No     Depth (inches):       Saturation Present?     Yes     X     No     Depth (inches):	12 0 Wetland Underlags Present 2 Vers V No.
Saturation Present? Yes X No Depth (inches):	0 Wetland Hydrology Present? Yes X No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previo	ous inspections), if available:
Describe Recorded Data (Stream gauge, monitoring weil, aenai photos, previ	
Remarks:	

Sampling Point: WET CTT-3

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. Ulmus americana	15	Yes	FACW	Number of Deminent Creation	
2.				Number of Dominant Species           That Are OBL, FACW, or FAC:         4	(A)
3.				Total Number of Dominant	
4					(B)
5				Percent of Dominant Species	
6					A/B
7				Prevalence Index worksheet:	
	15	=Total Cover		Total % Cover of: Multiply by:	_
Sapling/Shrub Stratum (Plot size: 15')	)			OBL species 80 x 1 = 80	
1. Viburnum lentago	15	Yes	FAC	FACW species <u>35</u> x 2 = <u>70</u>	_
2. Lonicera morrowii	10	Yes	FACU	FAC species <u>15</u> x 3 = <u>45</u>	_
3. Rubus occidentalis	8	Yes	UPL	FACU species x 4 =60	_
4. Ulmus americana	5	No	FACW	UPL species <u>8</u> x 5 = <u>40</u>	_
5				Column Totals: 153 (A) 295	(B
6.				Prevalence Index = B/A = 1.93	
7.				Hydrophytic Vegetation Indicators:	_
	38	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%	
1. Leersia oryzoides	40	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^{1}$	
2. Carex lurida	35	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide suppo	ortin
3. Onoclea sensibilis	5	No	FACW	data in Remarks or on a separate sheet)	
4. Lythrum salicaria	5	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain	)
5. Symphyotrichum novae-angliae	5	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology mu	uet h
6. Ulmus americana	5	No	FACW	present, unless disturbed or problematic.	u31 L
7. Lonicera morrowii	5	No	FACU	Definitions of Vegetation Strata:	
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diar	mote
9				at breast height (DBH), regardless of height.	neit
10				Sapling/shrub – Woody plants less than 3 in. DBI	н
11				and greater than or equal to 3.28 ft (1 m) tall.	
12				Herb – All herbaceous (non-woody) plants, regard	
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.	1030
Woody Vine Stratum (Plot size: 30'	1			Woody vines – All woody vines greater than 3.28	ft in
1				height.	11 11
				Hydrophytic Vegetation	
0					
2				Present? Yes X No	

Profile Desc	ription: (Describe t	o the dep	oth needed to docu	ment th	e indica	or or co	nfirm the absence of ir	ndicators.)			
Depth Matrix Redox Features											
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks			
0-4	10YR 2/1	90	10YR 3/6	10	С	PL	Loamy/Clayey	Prominent redox concentrations			
4-11	10YR 5/2	70	10YR 4/6	М	Sandy						
11-21	N 4/	70	2.5YR 3/4	Sandy	Prominent redox concentrations						
			2.5YR 3/4	М		Prominent redox concentrations					
<sup>1</sup> Type: C=Cc	oncentration, D=Deple	etion RM	=Reduced Matrix M	S=Mask	ed Sand	Grains	<sup>2</sup> Location: PL	=Pore Lining, M=Matrix.			
Hydric Soil I				<u>e-maon</u>	ou ounu	oranio.		r Problematic Hydric Soils <sup>3</sup> :			
Histosol	(A1)		Polyvalue Belo	w Surfac	e (S8) ( <b>I</b>	.RR R,	2 cm Mucl	k (A10) ( <b>LRR K, L, MLRA 149B</b> )			
Histic Ep	ipedon (A2)		MLRA 149B	)			? Coast Pra	iirie Redox (A16) ( <b>LRR K, L, R</b> )			
Black His			Thin Dark Surfa	ace (S9)	(LRR R	MLRA 1		ky Peat or Peat (S3) (LRR K, L, R)			
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)			
	Layers (A5)		Loamy Mucky I					Surface (S9) (LRR K, L)			
	Below Dark Surface	(11)	Loamy Gleyed			· · · ,		ganese Masses (F12) (LRR K, L, R)			
		(ATT)			-2)						
	rk Surface (A12)		Depleted Matri					Floodplain Soils (F19) (MLRA 149B)			
Sandy M	ucky Mineral (S1)		X Redox Dark Su	urface (F	6)		Mesic Spo	odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )			
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parer	nt Material (F21)			
X Sandy R	edox (S5)		? Redox Depress	sions (F8	3)		Very Shall	low Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)				
	face (S7)		、 /、	. ,			、 、	·			
<sup>3</sup> Indicators of	hydrophytic vegetati	on and w	etland hydrology mus	st he nre	sent unl	ess distu	rbed or problematic				
	ayer (if observed):		cliana nyarology ma		Sont, an	000 01010					
Type:	,										
Depth (in	nches):						Hydric Soil Present	? Yes <u>X</u> No			
Remarks:											



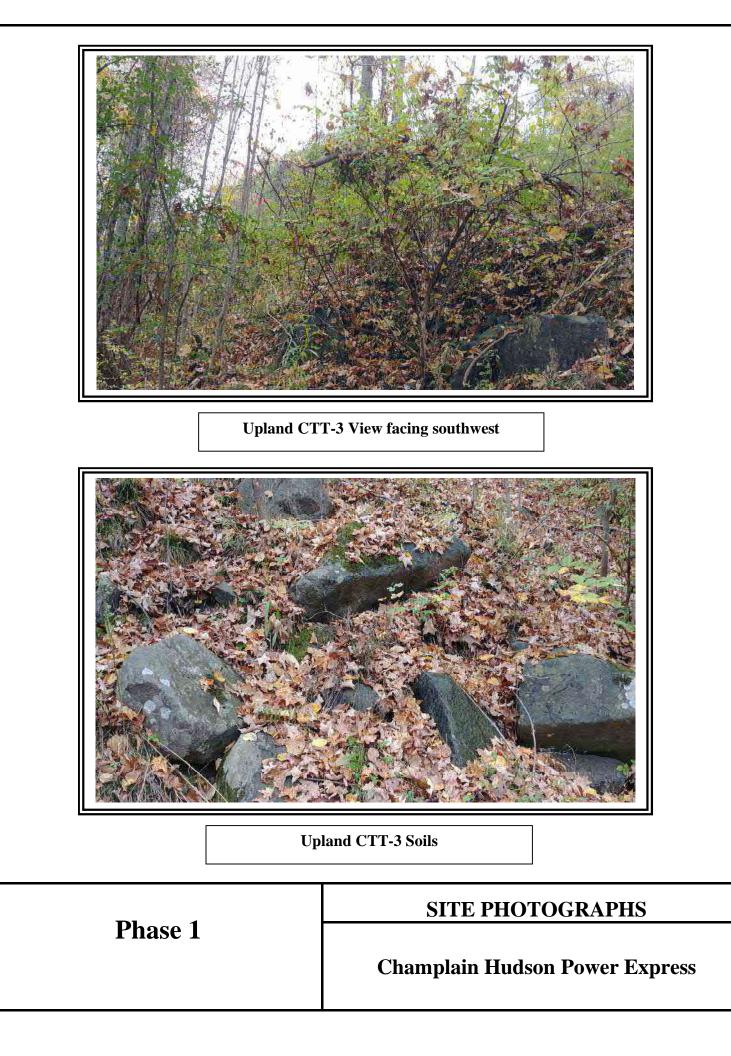
Project/Site: CHPE	City	//County: Dresden / Washington	Sampling Date: 10/15/21
Applicant/Owner: TDI		State: NY	Sampling Point: UPL CTT-3
Investigator(s): C. Scrivner, C. Einstein		Section, Township, Range:	
Landform (hillside, terrace, etc.): Hillslope	Local relief	(concave, convex, none): <u>Convex</u>	Slope %: 10
Subregion (LRR or MLRA): LRR R	Lat: 43-39-10.98N	Long: 73-26-10.95W	Datum: WGS 84
Soil Map Unit Name: HLE - Hollis-Charlton as	sociation, moderately steep and s	teep NWI classification:	NA
Are climatic / hydrologic conditions on the site ty	pical for this time of year?	Yes <u>X</u> No (If no, e	explain in Remarks.)
Are Vegetation, Soil, or Hydrold	gy significantly disturbed?	Are "Normal Circumstances" prese	ent? Yes X No
Are Vegetation, Soil, or Hydrold	gy naturally problematic?	(If needed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach s	ite map showing samplir	ng point locations, transects, in	nportant features, etc.
5 1 5 6		s the Sampled Area	
		vithin a Wetland? Yes yes, optional Wetland Site ID:	No <u>X</u>
Remarks: (Explain alternative procedures here Successional Northern Hardwoods.	er in a separate report.)		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (n	ninimum of two required)
Primary Indicators (minimum of one is required	; check all that apply)	Surface Soil Cracks	s (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns	(B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B	516)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	Table (C2)

Saturation (A3)	-	Marl De	eposits (B15)		Dry-Season Water Ta	able (C2)		
Water Marks (B1)	_	Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8	3)		
Sediment Deposits (B2)	-	Oxidize	d Rhizospheres on Living Ro	oots (C3)	Saturation Visible on	Aerial Imagery	y (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 Soils	s (C6)	Geomorphic Position	(D2)		
Iron Deposits (B5)	-	Thin Mu	uck Surface (C7)		Shallow Aquitard (D3	5)		
Inundation Visible on A	erial Imagery (B7)	Other (I	Explain in Remarks)		Microtopographic Rel			
Sparsely Vegetated Cor	ncave Surface (B8)	)			FAC-Neutral Test (D5	5)		
Field Observations:								
Surface Water Present?	Yes	No <u>X</u>	Depth (inches):					
Water Table Present?	Yes	No X	Depth (inches):					
Saturation Present?	Yes	No X	Depth (inches):	Wetlan	d Hydrology Present?	Yes	No 🔿	Х
(includes capillary fringe)								
Describe Recorded Data (st	ream gauge, monit	toring well, a	aerial photos, previous inspe	ctions), if a	vailable:			
Remarks:								

Sampling Point: UPL CTT-3

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus americana	45	Yes	FACU	Number of Dominant Species
2. Tilia americana	25	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:0(A)
3. Carya ovata	5	No	FACU	Total Number of Dominant
4				Species Across All Strata: 6 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B
7.				Prevalence Index worksheet:
	75	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15'				$\frac{1}{\text{OBL species}}  0 \qquad \text{x 1} = 0$
1. Lonicera morrowii	30	Yes	FACU	FACW species $0   x^2 = 0$
2. Hamamelis virginiana	10	No	FACU	FAC species 13 $x 3 = 39$
3. Rhamnus cathartica	5	No	FAC	FACU species 180 $x 4 = 720$
				· <u> </u>
4. Pinus strobus	5	<u>No</u>	FACU	UPL species 15 $x 5 = 75$
5. <u>Rhus typhina</u> 6.	5	No	UPL	Column Totals: 208 (A) 834 (E Prevalence Index = $B/A =$ 4.01
7.				Hydrophytic Vegetation Indicators:
	55	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')	- 55			2 - Dominance Test is >50%
	00	Mar	FAOL	
1. Solidago caesia	30	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Symphyotrichum ericoides	10	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supportindata in Remarks or on a separate sheet)
3. Solidago canadensis	10	Yes	FACU	
4. Equisetum arvense	8	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Pinus strobus	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. Rubus occidentalis	5	No	UPL	present, unless disturbed or problematic.
7. Fraxinus americana	5	No	FACU	Definitions of Vegetation Strata:
8. <u>Symphyotrichum lowrieanum</u> 9.	5	No	UPL	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diamet at breast height (DBH), regardless of height.
10				
10 11				<b>Sapling/shrub</b> – 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, regardles
	78	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30'	)			Woody vince All woody vince greater than 2.29 ft in
1				Woody vines – All woody vines greater than 3.28 ft ir height.
2.				
				Hydrophytic
3.				Vegetation Present? Yes No X
4				
3 4		=Total Cover		

Depth	Matrix	the de	-	ment tr x Featur		or or co	nfirm the absence of indicate	ors.)	
(inches)	Color (moist)	%	Color (moist)	× i catul %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Rema	irks
(1101100)				70	190	200	Toxidio		
<u> </u>									
		etion, RN	I=Reduced Matrix, M	S=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Pore		
Hydric Soil I							Indicators for Prob	-	
Histosol (	. ,		Polyvalue Belo		ce (S8) ( <b>L</b>	.RR R,	2 cm Muck (A10		
	ipedon (A2)		MLRA 149B	,			Coast Prairie Re	. , .	
Black His			Thin Dark Surf						
	n Sulfide (A4)		High Chroma S				Polyvalue Below		
	Layers (A5)		Loamy Mucky I			<b>Κ, L</b> )	Thin Dark Surfa		
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)		Iron-Manganese		
	rk Surface (A12)		Depleted Matri						9) ( <b>MLRA 149B</b> )
	ucky Mineral (S1)		Redox Dark Su						44A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark				Red Parent Mate		
	edox (S5)		Redox Depress		8)		Very Shallow Da		22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (Explain in	n Remarks)	
Dark Sur	face (S7)								
2									
		ion and w	etland hydrology mus	st be pre	esent, unl	ess distu	rbed or problematic.		
	ayer (if observed):								
-	Rock / B								
Depth (in	ches):	0					Hydric Soil Present?	Yes	<u>No X</u>
Remarks:									
No soils taker	n due to rock and bo	ulder out	cropping.						



Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CUU-4
Investigator(s): C. Scrivner, C. Einstein	Section, Township, Range:
	relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-39-9.42N	Long: 73-26-10.50W Datum: WGS 84
Soil Map Unit Name: <u>HLE - Hollis-Charlton association, moderately steep a</u>	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag CUU-4
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Forested Wetland. Edinger classification: Red-maple Hardwood	Swamp.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)Water-Stained Leaves (E	B9) X Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (	
Sediment Deposits (B2)Oxidized Rhizospheres c	
Drift Deposits (B3) Presence of Reduced Irc Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	

Sampling Point: WET CUU-4

Image:	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
. Acer rubrum	80	Yes	FAC	Number of Dominant Species
2. Fraxinus americana	15	No	FACU	That Are OBL, FACW, or FAC:3 (A)
3. Quercus rubra	5	No	FACU	Total Number of Dominant Species Across All Strata: 5 (B)
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 60.0% (A/B
······				Prevalence Index worksheet:
	100	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15'	)			OBL species 40 x 1 = 40
Lonicera morrowii	25	Yes	FACU	FACW species $45 \times 2 = 90$
2. Hamamelis virginiana	15	Yes	FACU	FAC species 85 x 3 = 255
3. Ulmus americana	10	No	FACW	FACU species 72 x 4 = 288
I. Viburnum acerifolium	10	No	UPL	UPL species 15 x 5 = 75
5. Fagus grandifolia	5	No	FACU	Column Totals: 257 (A) 748 (B
5. Tsuga canadensis	5	No	FACU	Prevalence Index = $B/A = 2.91$
<u></u>				Hydrophytic Vegetation Indicators:
	70	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
. Osmunda spectabilis	40	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Osmundastrum cinnamomeum	25	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supportin
3. Onoclea sensibilis	10	No	FACW	data in Remarks or on a separate sheet)
I. Equisetum arvense	5	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Viburnum acerifolium	5	No	UPL	
5. Pinus strobus	2	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must l present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
3 ).				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2	87	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Voody Vine Stratum</u> (Plot size: <u>30'</u>	)			Woody vines – All woody vines greater than 3.28 ft ir height.
)				Hydrophytic
2				Vegetation
3.				
		=Total Cover		Present? Yes X No

Profile Desc	cription: (Describe	to the dep	th needed to docu	ment th	e indica	or or co	nfirm the absence of indicat	ors.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 2/1	100					Muck	
6-13	10YR 3/1	100					Sandy	
		·						
		·					·· · ·	
		·						
		. <u> </u>						
		·						
		. <u> </u>					<u> </u>	
	oncentration, D=Depl	letion RM-	-Reduced Matrix M	S-Mask	bac ba	Grains	<sup>2</sup> Location: PL=Pore	Lining M-Matrix
Hydric Soil	· · · ·			0-IVIASK	eu Ganu	Grains.		lematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfac	ce (S8) ( <b>L</b>	.RR R,		)) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		MLRA 149B	)			Coast Prairie Re	edox (A16) ( <b>LRR K, L, R</b> )
Black Hi	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R,	MLRA 1	49B) 5 cm Mucky Pea	at or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	511) ( <b>LRF</b>	R Κ, L)	Polyvalue Below	v Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky	Mineral (	(F1) ( <b>LRF</b>	R K, L)	Thin Dark Surfa	ce (S9) ( <b>LRR K, L</b> )
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Manganese	e Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Flood	plain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spodic (T	A6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Mat	erial (F21)
Sandy R	edox (S5)		Redox Depres	sions (Fa	3)		Very Shallow Da	ark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in	n Remarks)
X Dark Su	rface (S7)							
31. 1	ri istan		d			P.4	1	
	f hydrophytic vegetati Layer (if observed):		etiand hydrology mu	st be pre	esent, uni	ess distu	rbed of problematic.	
Type:	Roc							
Depth (ir	nches):	13					Hydric Soil Present?	Yes X No
Remarks:								···· <u>···</u> ···· <u>·</u> ···
Remarks:								



Project/Site: CHPE		City/C	county: Dresden / Washington	Sampling Date: 10/15/21
Applicant/Owner: TDI			State: NY	Sampling Point: UPL CUU-4
Investigator(s): C. Scrivner, C.	Einstein		Section, Township, Range:	
Landform (hillside, terrace, etc.):	: Hillslope	Local relief (c	concave, convex, none): <u>Convex</u>	Slope %: 2
Subregion (LRR or MLRA): LR	RR R Lat: _/	43-39-9.53N	Long: 73-26-11.84W	Datum: WGS 84
Soil Map Unit Name: HLE - Ho	ollis-Charlton association, m	oderately steep and stee	epNWI classification	n: <u>NA</u>
Are climatic / hydrologic conditio	ons on the site typical for thi	s time of year?	Yes X No (If no,	, explain in Remarks.)
Are Vegetation, Soil	, or Hydrologys	ignificantly disturbed?	Are "Normal Circumstances" pre-	sent? Yes X No
Are Vegetation, Soil	, or Hydrologyn	aturally problematic?	(If needed, explain any answers	in Remarks.)
SUMMARY OF FINDING	S – Attach site map	showing sampling	point locations, transects, i	important features, etc.
Hydrophytic Vegetation Presen			ne Sampled Area	
Hydric Soil Present?	Yes	No X with	nin a Wetland? Yes	No <u>X</u>
Wetland Hydrology Present?	Yes	No X If ye	es, optional Wetland Site ID:	
Remarks: (Explain alternative Successional Northern Hardwo	•	arate report.)		
HYDROLOGY				
Wetland Hydrology Indicators	s:		Secondary Indicators	(minimum of two required)
Primary Indicators (minimum of	f one is required; check all t	hat apply)	Surface Soil Crac	ks (B6)
Surface Water (A1)	Water-S	Stained Leaves (B9)	Drainage Patterns	s (B10)
High Water Table (A2)	Aquatic	: Fauna (B13)	Moss Trim Lines (	(B16)

High Water Table (A2)			Aquatic	Fauna (B13)	_	Moss Trim Lines (B16)				
Saturation (A3) Marl Deposits (B15)						Dry-Season Water Table (C2)				
Water Marks (B1)			Hydroge	en Sulfide Odor (C1)		Crayfish Burrows (C8)	)			
Sediment Deposits (B2	)		Oxidize	d Rhizospheres on Living Ro	oots (C3)	Saturation Visible on	Aerial Image	ry (C9)		
Drift Deposits (B3)			Presend	ce of Reduced Iron (C4)		Stunted or Stressed P	Plants (D1)			
Algal Mat or Crust (B4)			Recent	Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position	(D2)			
Iron Deposits (B5)			Thin Mu	ick Surface (C7)		Shallow Aquitard (D3)	1			
Inundation Visible on A	erial Imagery (B7)	)	Other (E	Explain in Remarks)		Microtopographic Reli	ief (D4)			
Sparsely Vegetated Co	ncave Surface (B	8)				FAC-Neutral Test (D5	)			
Field Observations:										
Surface Water Present?	Yes	No	Х	Depth (inches):						
Water Table Present?	Yes	No	Х	Depth (inches):						
Saturation Present?	Yes	No	Х	Depth (inches):	Wetland	Hydrology Present?	Yes	No X		
(includes capillary fringe)		-								
Describe Recorded Data (s	tream gauge, moi	nitorin	g well, a	aerial photos, previous inspe	ections), if av	vailable:				
Remarks:										

Sampling Point: UPL CUU-4

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus americana	45	Yes	FACU	Number of Dominant Crossics
2. Acer saccharum	20	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:0(A)
<ol> <li>Pinus strobus</li> <li>4.</li> </ol>	10	No	FACU	Total Number of Dominant Species Across All Strata: 7 (B)
5.		·		
6.		·		Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/E
7				Prevalence Index worksheet:
	75	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 = 0
1. Fraxinus americana	20	Yes	FACU	FACW species 0 x 2 = 0
2. Acer saccharum	10	Yes	FACU	FAC species <u>5</u> x 3 = <u>15</u>
3. Quercus rubra	10	Yes	FACU	FACU species <u>177</u> x 4 = <u>708</u>
4. Acer pensylvanicum	5	No	FACU	UPL species <u>5</u> x 5 = <u>25</u>
5. Prunus serotina	5	No	FACU	Column Totals: 187 (A) 748 (E
6. Quercus alba	5	No	FACU	Prevalence Index = B/A = 4.00
7.				Hydrophytic Vegetation Indicators:
	55	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-		2 - Dominance Test is >50%
1. Pteridium aquilinum	30	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Solidago caesia	10	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporti
3. Equisetum arvense	5	No	FAC	data in Remarks or on a separate sheet)
4. Viburnum acerifolium	5	No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Fagus grandifolia	2	No	FACU	
6				<sup>1</sup> Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9		·		<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diament at breast height (DBH), regardless of height.
10 11.		·		<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.		·		
	52	=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 i
1. Vitis aestivalis	5	Yes	FACU	height.
2		. <u> </u>		
3				Hydrophytic Vegetation
4.				Present? Yes No X
	5	=Total Cover		

# SOIL

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ment th	e indica	tor or co	nfirm the absence	of indicators.	)	
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	s
0-4	10YR 2/2	80	10YR 3/3	20	С	М	Loamy/Clayey	Faint	redox conc	entrations
4-8	10YR 2/1	100					Loamy/Clayey			
		<u> </u>						·		
·		·								
		·								
		·								
		·								
								·		
·										
								·		
1		·					2			
		letion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		PL=Pore Lini		-
Hydric Soil I			Debuglue Dele					for Problem	-	
Histosol			Polyvalue Belo		ce (58) (I	.кк к,		Muck (A10) (L Drairia Baday		
	ipedon (A2)		MLRA 149B	,				Prairie Redox		
Black His			Thin Dark Surf					Mucky Peat or		
	n Sulfide (A4)		High Chroma S					alue Below Su		
	Layers (A5)	<i></i>	Loamy Mucky I			<b>Κ Κ, L</b> )		oark Surface (		
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12)		Depleted Matrix	. ,						) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su	Irface (F	6)		Mesic	Spodic (TA6)	(MLRA 144	IA, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red P	arent Material	(F21)	
Sandy R	edox (S5)		Redox Depress	sions (F8	8)		Very S	Shallow Dark S	Surface (F22	2)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other	(Explain in Re	marks)	
Dark Sur	face (S7)									
<sup>3</sup> Indicators of	hydrophytic vegetat	ion and we	etland hydrology mus	st be pre	esent. unl	ess distu	rbed or problematic.			
	ayer (if observed):		,		.,					
Type:	Ro	ck								
Depth (in	nches):	8					Hydric Soil Pres	ent?	Yes	No <u>X</u>
Remarks:							-			



**Upland CUU-4 View facing west** 



**Upland CUU-4 Soils** 

Phase 1

# SITE PHOTOGRAPHS

**Champlain Hudson Power Express** 

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/13/21					
Applicant/Owner: TDI	State: NY Sampling Point: C2N-2 Wet					
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:					
Landform (hillside, terrace, etc.): depression Local	relief (concave, convex, none): concave Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 43-39-02.53N	Long: 73-26-18.40W Datum:					
Soil Map Unit Name: Vergennes silty clay	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 disturb	bed? Are "Normal Circumstances" present? Yes x No					
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No	within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.) Emergent wetland in a depression.						

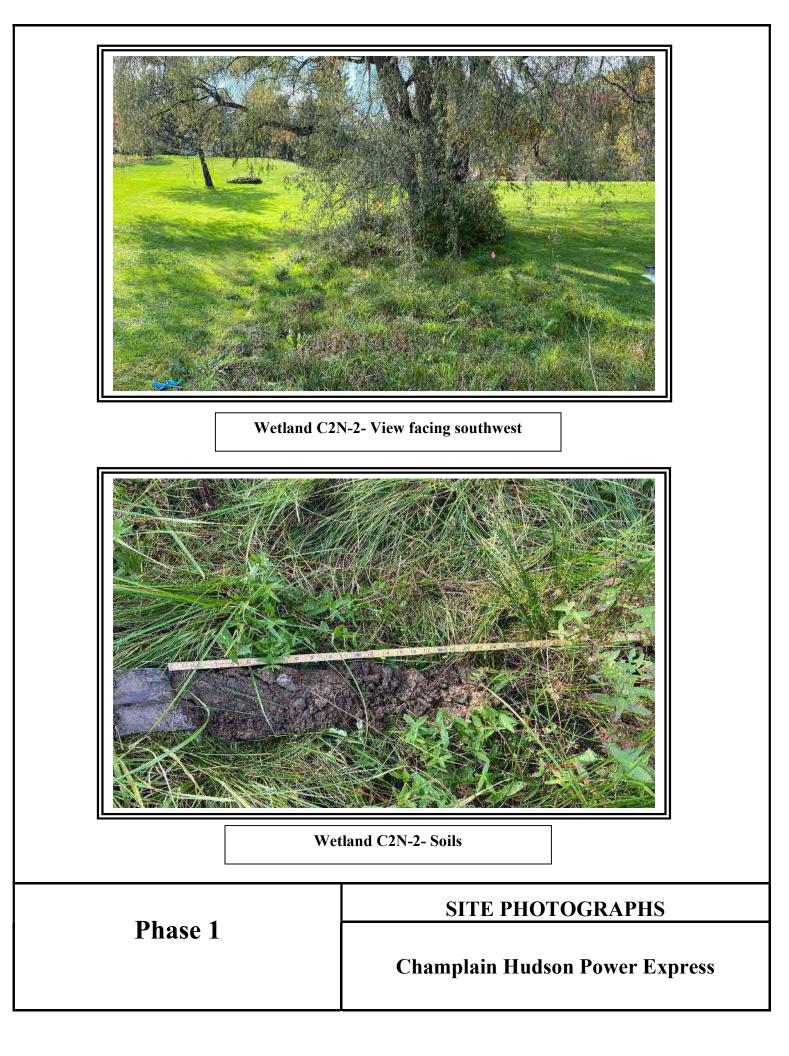
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)					
Surface Water (A1)	Drainage Patterns (B10)					
High Water Table (A2)	gh Water Table (A2) Aquatic Fauna (B13)					
Saturation (A3)	· · · · · · · · · · ·					
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) 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, mor	nitoring well, aerial photos, previous inspec	tions), if available:				
Remarks:						
Culvert to the north under roadway which con	nects to wetland outside of the project lim	ts.				

Sampling Point: C2N-2 Wet

	Absolute	Dominant	Indicator	Denvinence Testandadest
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. <u>Salix babylonica</u>	25	Yes	FACW	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:
	25	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species         50         x 1 =         50
				FACW species 60 x 2 = 120
				FAC species $0 \times 3 = 0$
3				FACU species <u>3</u> x 4 = <u>12</u>
4				UPL species x 5 =
5				Column Totals: <u>113</u> (A) <u>182</u> (B)
6				Prevalence Index = B/A =1.61
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Bidens frondosa	35	Yes	FACW	$\overline{X}$ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Lythrum salicaria	50	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Sphagnum moss sp.	10	No		data in Remarks or on a separate sheet)
4. Plantago lanceolata	2	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Lotus corniculatus	1	No	FACU	
			FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	98	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				We during All words vince greater than 2.29 ft in
1				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
2.				
				Hydrophytic
				Vegetation Present? Yes X No
4		Tatal Osuar		Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

# SOIL

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or co	onfirm the absence of i	ndicators.)
Depth	Matrix		Redox	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16	10YR 3/2	70	7.5YR 4/4	30	С	M	Loamy/Clayey	Distinct redox concentrations
16-22	2.5Y 6/2	55	10YR 4/6	40	С	M	Loamy/Clayey	Prominent redox concentrations
			10YR 4/2	5	C	M		Distinct redox concentrations
17 0.0								<u> </u>
		etion, RI	M=Reduced Matrix, M	IS=Mas	ked Sand	Grains.		=Pore Lining, M=Matrix.
Hydric Soil I Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RRR		Problematic Hydric Soils <sup>3</sup> : < (A10) (LRR K, L, MLRA 149B)
	vipedon (A2)		MLRA 149B		Ce (00) (I	LIXIX IX,		irie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surfa	<b>,</b>		MIRA		ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S				· · ·	Below Surface (S8) (LRR K, L)
	l Layers (A5)		Loamy Mucky I	-				Surface (S9) (LRR K, L)
		(111)				<b>、</b> κ, ε)		
·	Below Dark Surface	; (ATT)	Loamy Gleyed		ΓΖ)			anese Masses (F12) (LRR K, L, R)
I ——	rk Surface (A12)		Depleted Matrix					Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		X Redox Dark Su	•	,			odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5)		Redox Depress		8)			ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (Exp	plain in Remarks)
Dark Sur	face (S7)							
<sup>3</sup> Indicators of	hydrophytic vegetat	ion and v	vetland hydrology mu	ıst be pı	resent, ur	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Туре:	non	е						
Depth (ir	nches):						Hydric Soil Present	? Yes <u>X</u> No
Remarks:							•	
								S Field Indicators of Hydric Soils,
version 7.0,	2015 Erraia. (http://w	/ww.nrcs	.usda.gov/Internet/FS	SE_DOU		5/nrcs14	2p2_051293.docx)	



Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/13/21					
Applicant/Owner: TDI	State: NY Sampling Point: C2N-2 Upl					
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:					
Landform (hillside, terrace, etc.): flat Local	relief (concave, convex, none): none Slope %: 0					
Subregion (LRR or MLRA):         LRR R         Lat:         43-39-02.53N	Long: <u>73-26-18.40W</u> Datum:					
Soil Map Unit Name: Vergennes silty clay NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes x No					
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.					

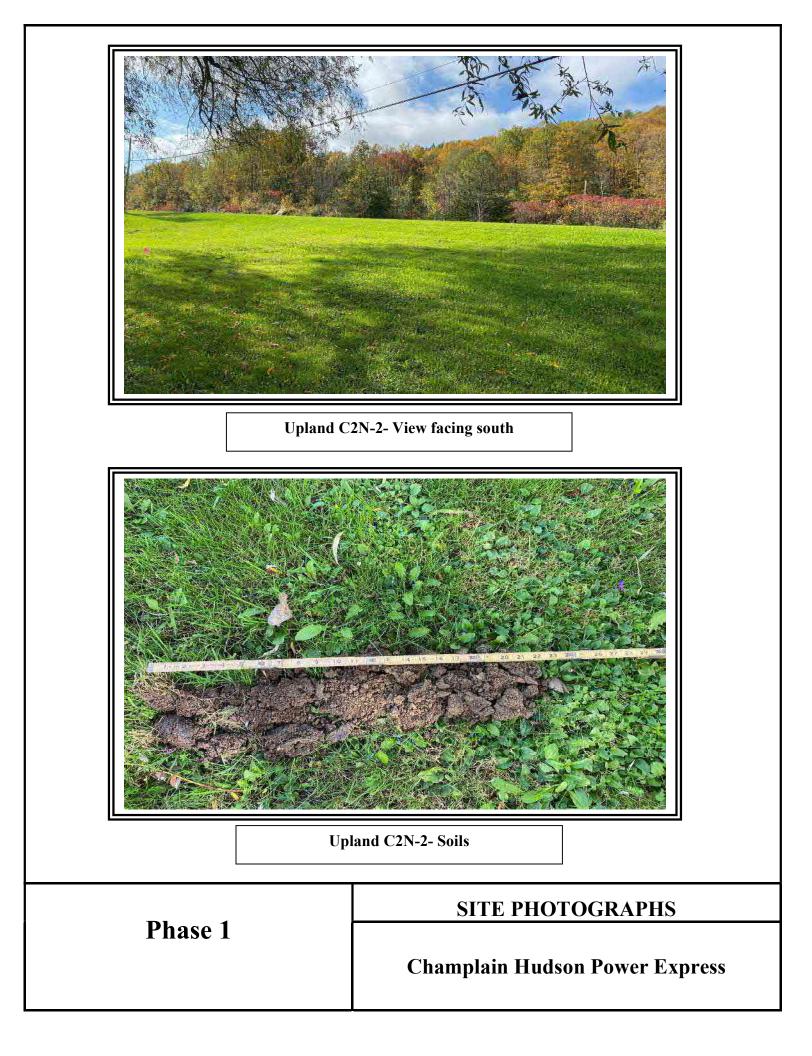
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu Mowed lawn.	ires here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is requi	ired; check all that apply)	Surface Soil Cracks (B6)		
Surface Water (A1)	Surface Water (A1)Water-Stained Leaves (B9)			
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)		
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	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	ls (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 (I	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, mo	onitoring well, aerial photos, previous inspe	ections), if available:		
Remarks:				

Sampling Point: C2N-2 Upl

Tree Stratum (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 4				Total Number of Dominant Species Across All Strata:1(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 x 3 =
3.				FACU species 114 x 4 = 456
4.				UPL species 0 x 5 = 0
5.				Column Totals: 114 (A) 456 (B)
6.				Prevalence Index = $B/A = 4.00$
7				Hydrophytic Vegetation Indicators:
···		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Lotus corniculatus	2	No	FACU	$3 - Prevalence Index is \leq 3.0^{1}$
	10			4 - Morphological Adaptations <sup>1</sup> (Provide supporting
		<u>No</u>	FACU	data in Remarks or on a separate sheet)
3. Taraxacum officinale	5	No	FACU	
4. <u>Poa pratensis</u>	90	Yes	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. <u>Glechoma hederacea</u>	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. Trifolium repens	2	No	FACU	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				<b>Tree</b> – 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
	114	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				
1				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
				Hydrophytic
				Vegetation Present? Yes No X
4		-Total Cavar		Present?         Yes         No _X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Depth         Matrix           (inches)         Color (moist)         %           0-14         10YR 2/2         100           14-22         10YR 3/3         100	Redox Feature         Color (moist)       %	s <u>Type<sup>1</sup></u> Loc <sup>2</sup> 	Texture Loamy/Clayey Loamy/Clayey	Remarks
0-14 10YR 2/2 100	Color (moist)         %	Type'         Loc²	Loamy/Clayey	Remarks
14-22 10YR 3/3 100			Loamy/Clayey	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=	Reduced Matrix MS=Mask	ed Sand Grains	<sup>2</sup> Location: PL=Por	e Lining M=Matrix
Hydric Soil Indicators:				blematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Polyvalue Below Surface	e (S8) ( <b>LRR R,</b>		10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epipedon (A2)	MLRA 149B)		Coast Prairie F	Redox (A16) ( <b>LRR K, L, R</b> )
Black Histic (A3)	Thin Dark Surface (S9)	(LRR R, MLRA 1	1 <b>49B</b> ) 5 cm Mucky Po	eat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydrogen Sulfide (A4)	High Chroma Sands (S1	1) ( <b>LRR K, L)</b>	Polyvalue Belo	w Surface (S8) ( <b>LRR K, L</b> )
Stratified Layers (A5)	Loamy Mucky Mineral (F	<sup>=</sup> 1) ( <b>LRR K, L</b> )	Thin Dark Surf	ace (S9) ( <b>LRR K, L</b> )
Depleted Below Dark Surface (A11)	Loamy Gleyed Matrix (F	2)	Iron-Manganes	se Masses (F12) ( <b>LRR K, L, R</b> )
Thick Dark Surface (A12)	Depleted Matrix (F3)		Piedmont Floo	dplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy Mucky Mineral (S1)	Redox Dark Surface (F6	i)	Mesic Spodic (	(TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy Gleyed Matrix (S4)	Depleted Dark Surface (		Red Parent Ma	aterial (F21)
Sandy Redox (S5)	Redox Depressions (F8)			Dark Surface (F22)
Stripped Matrix (S6)	Marl (F10) ( <b>LRR K, L</b> )		Other (Explain	
Dark Surface (S7)				
2				
<sup>3</sup> Indicators of hydrophytic vegetation and we <b>Restrictive Layer (if observed):</b>	tland hydrology must be pre	sent, unless dist	urbed or problematic.	
Type: none				
Depth (inches):			Hydric Soil Present?	Yes No _X
Remarks:			•	· · ·
This data form is revised from Northcentral a	and Northeast Regional Sun	nlement Version	2.0 to include the NRCS Fie	ld Indicators of Hydric Soils



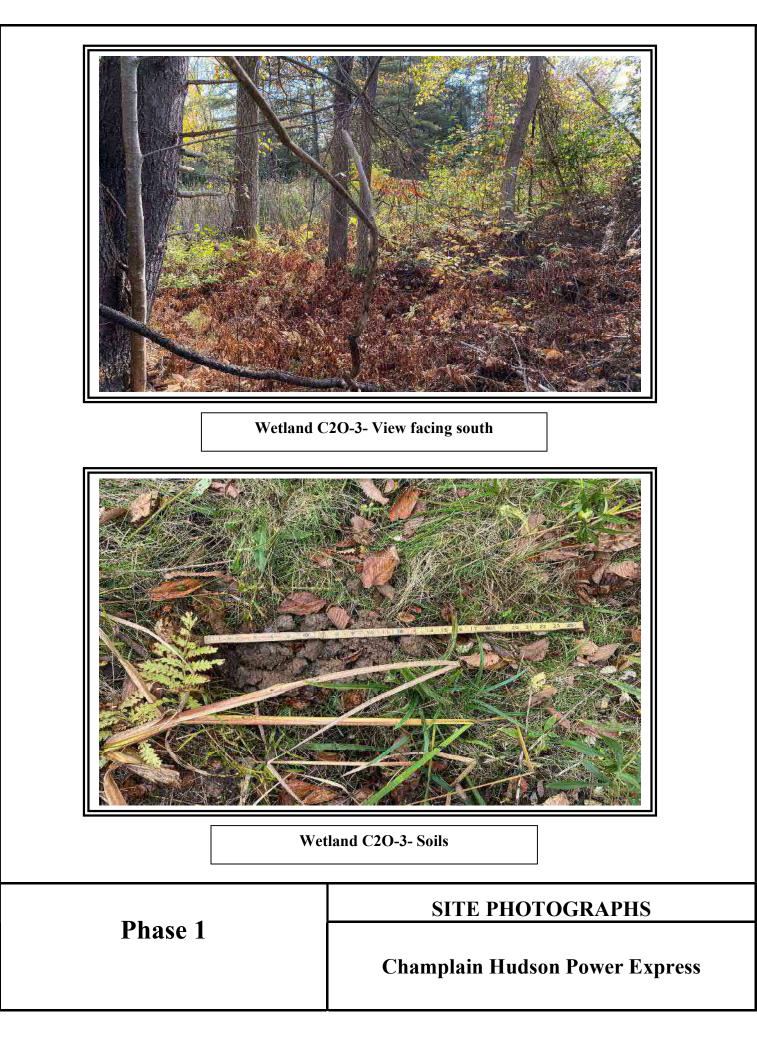
Project/Site: CHPE		City/County: Dresden/Washington Sampling Date: 10/13/2						
Applicant/Owner: TDI				State:	NY	Sampling Point:	C2O-3 Wet	
Investigator(s): N. Frazer, S. Berryman			Section, Towns	hip, Range:				
Landform (hillside, terrace, etc.): pond	edge	Local relief (co	oncave, convex, n	ione): none		Slope	%: 0	
Subregion (LRR or MLRA): LRR R	Lat: <u>4</u> 3-	-38-58.38N	Long: <u>73</u>	-26-21.72W		Datum:		
Soil Map Unit Name: Hollis-rock outcrop association NWI classification: PFO								
Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)						)		
Are Vegetation, Soil, or H	ydrologysig	gysignificantly disturbed? Are "Normal Circumstances" present? Yes _ x _ No						
Are Vegetation, Soil, or H	ydrologynat	y naturally problematic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Atta	ich site map sh	nowing sampling	point location	ns, transect	s, impo	ortant feature	es, etc.	
Hydrophytic Vegetation Present?	Yes X N	No Is th	e Sampled Area					
Hydric Soil Present?	Yes X N	No with	in a Wetland?	Yes	X	No		
Wetland Hydrology Present?	Yes X N	No If yes	s, optional Wetlan	nd Site ID:				
Remarks: (Explain alternative procedure	es here or in a sepa	rate report.)						
							l	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)			
Surface Water (A1)	Drainage Patterns (B10)			
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)		
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (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)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		X Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7	Other (Explain in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes	No x Depth (inches):			
Water Table Present? Yes x	No Depth (inches): 11			
Saturation Present? Yes x	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No	
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
Remarks:				
Adjacent to pond.				

Sampling Point: C2O-3 Wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	60	Yes	FACW	
2 Bhua tumbina	5	No	UPL	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3. Betula alleghaniensis	5	No	FAC	Total Number of Dominant
4. Pinus strobus	20	Yes	FACU	Species Across All Strata:(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:
7.				Prevalence Index worksheet:
	90	=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species 0 x 1 = 0
1. Rhus typhina	5	Yes	UPL	FACW species 130 x 2 = 260
2.				FAC species 5 x 3 = 15
3.				FACU species 20 x 4 = 80
4.				UPL species 10 x 5 = 50
5.				Column Totals: 165 (A) 405 (B)
6.				Prevalence Index = B/A = 2.45
7.				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Onoclea sensibilis	70	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2.		100	17.011	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
2				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	70	=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 sepa	rate sheet.)			4

Profile Desc	cription: (Describe	to the de	pth needed to doc	ument ti	he indica	tor or co	onfirm the absence of in	idicators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-2	10YR 2/1	100					Muck		
2-13	10YR 4/2	70	7.5YR 4/4	30	С		Loamy/Clayey	Distinct redox concentrations	
<sup>1</sup> Type: C=Ce	oncentration, D=Dep	letion, RN	/=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL=	Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators for I	Problematic Hydric Soils <sup>3</sup> :	
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)	
Histic Ep	pipedon (A2)		MLRA 149B	)			<u>?</u> Coast Prair	ie Redox (A16) ( <b>LRR K, L, R</b> )	
	stic (A3)		Thin Dark Surf				149B)5 cm Muck	y Peat or Peat (S3) ( <b>LRR K, L, R</b> )	
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)	
	d Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) ( <b>LRR K, L</b> )	
· · ·	d Below Dark Surface	e (A11)	Loamy Gleyed		F2)			nese Masses (F12) ( <b>LRR K, L, R</b> )	
	ark Surface (A12) lucky Mineral (S1)		X Depleted Matri Redox Dark St		6)			iloodplain Soils (F19) ( <b>MLRA 149B</b> )	
	Bleyed Matrix (S4)		Depleted Dark	``	,		Mesic Spodic (TA6) ( <b>MLRA 144A, 145, 149B</b> ) Red Parent Material (F21)		
	Redox (S5)		? Redox Depres		` '		Very Shallow Dark Surface (F22)		
	Matrix (S6)		Marl (F10) (LR		- /		Other (Explain in Remarks)		
	rface (S7)			. ,			( )	,	
<sup>3</sup> Indicators o	f hydrophytic vegeta	tion and v	vetland hydrology mu	ust be pr	resent, ur	nless dist	urbed or problematic.		
	Layer (if observed):								
Туре:	roc	k							
Depth (ii	nches):	13					Hydric Soil Present?	Yes X No	
Remarks: This data for	m is revised from No	orthcentra	l and Northeast Reg	ional Su	pplement	t Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,	
	2015 Errata. (http://v							· · · ·	



Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/13/					
Applicant/Owner: TDI	State: NY Sampling Point: C20-4 W					
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:					
Landform (hillside, terrace, etc.): pond edge Loca	al relief (concave, convex, none): <u>concave</u> Slope %: <u>1</u>					
Subregion (LRR or MLRA): LRR R Lat: 43-38-58.38N	Long: 73-26-21.72W Datum:					
Soil Map Unit Name: Hollis-rock outcrop association 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 dist	urbed? Are "Normal Circumstances" present? Yes x No					
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (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 X No	Is the Sampled Area					
Hydric Soil Present? Yes X No	within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.) Wetland is fringe to a pond.	·					

Wetland Hydrology Indicators:		5	Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks (B6)		
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)		
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)		
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (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	s (C6)	X Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)	_	X 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 x	No Depth (inches): 11				
Saturation Present? Yes x	No Depth (inches): 0	Watland	Hydrology Present? Yes X No		
Saturation Present? Yes x	No Deptil (inches). 0	wellanu			
(includes capillary fringe)	No Depth (inches)	wettand			
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:					
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:					

Sampling Point: C2O-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:2 (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: <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 30 x 1 = 30
1. Lonicera tatarica	30	Yes	FACU	FACW species 2 x 2 = 4
2.				FAC species 40 x 3 = 120
3.				FACU species 30 x 4 = 120
4.				UPL species 0 x 5 = 0
5.				Column Totals: 102 (A) 274 (B)
6.				Prevalence Index = $B/A = 2.69$
7				Hydrophytic Vegetation Indicators:
1	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Euthamia graminifolia	40	Yes	FAC	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Typha angustifolia	30	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Onoclea sensibilis	2	No	FACW	data in Remarks or on a separate sheet)
	Z	NU	FACW	
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6	. <u> </u>			be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.       11.				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12		=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum         (Plot size:30')           1.				<b>Woody vines</b> – 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	arate sheet.)			
L				

Profile Des	cription: (Describe	to the de	pth needed to doc	ument ti	he indica	ator or co	onfirm the absence o	f indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-2	10YR 2/1	100					Muck	
2-13	10YR 4/2	70	7.5YR 4/4	30	С	М	Loamy/Clayey	Distinct redox concentrations
		·						
		·					·	
		·						
		. <u> </u>						
		. <u> </u>						
1								
Hydric Soil	oncentration, D=Dep	letion, RN	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I			ick (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B					rairie Redox (A16) ( <b>LRR K, L, R</b> )
	istic (A3)		Thin Dark Surf	<i>'</i>	) (LRR R	, MLRA <sup>·</sup>		icky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	en Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
Stratifie	d Layers (A5)		Loamy Mucky				Thin Dar	rk Surface (S9) ( <b>LRR K, L</b> )
X Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mar	nganese Masses (F12) ( <b>LRR K, L, R</b> )
Thick D	ark Surface (A12)		X Depleted Matri	x (F3)			Piedmor	nt Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy N	/lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic S	podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy C	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Par	ent Material (F21)
Sandy F	Redox (S5)		Redox Depres	sions (F	8)		Very Sha	allow Dark Surface (F22)
Stripped	l Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
31 11 1								
	Layer (if observed):		etiand hydrology mi	ust be pi	resent, ur	niess alsi	urbed or problematic.	
Type:	roc							
Depth (i	nches):	13					Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/F	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	



Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/13/21
Applicant/Owner: TDI	State: NY Sampling Point: C2O-3 and 4 Upl
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
Landform (hillside, terrace, etc.): flat Local	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-38-58.38N	Long: 73-26-21.72W Datum:
Soil Map Unit Name: Hollis-rock outcrop association	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	rbed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

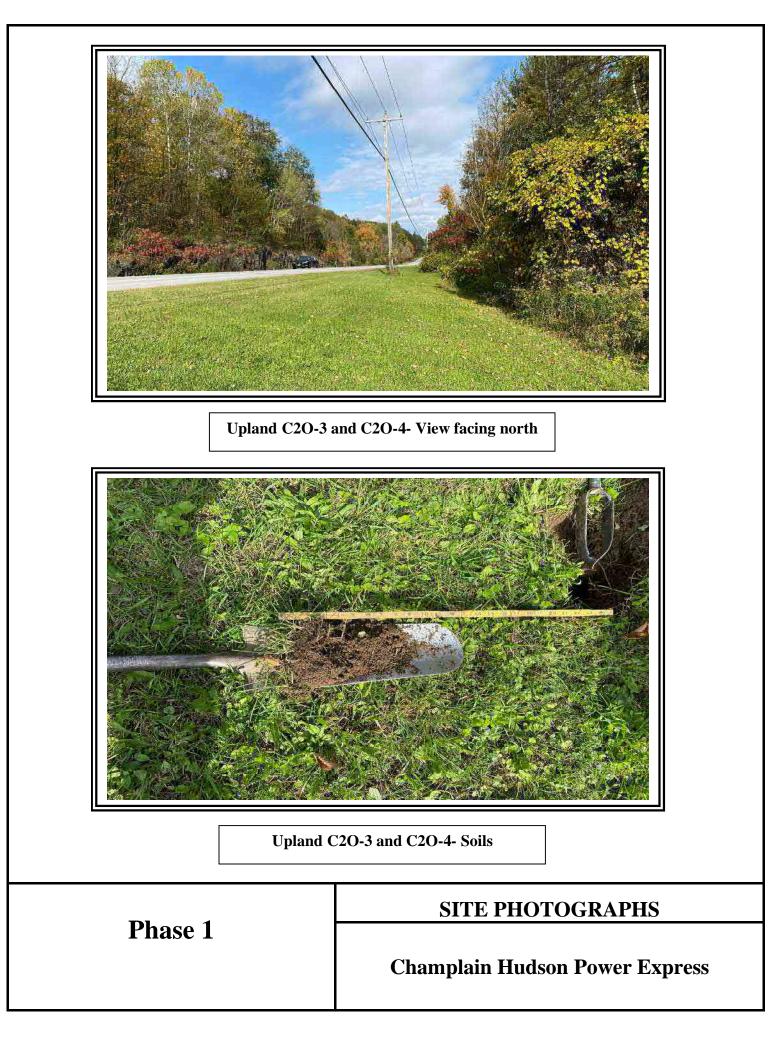
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu Mowed roadside.	ires here or in a	separate report.)	

Wetland Hydrology Indicators:	<u>mum of two required)</u>				
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	oots (C3)	Saturation Visible on A	erial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Pl	ants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (I	D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7	) Other (Explain in Remarks)		Microtopographic Relie	f (D4)	
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No x Depth (inches):				
Water Table Present? Yes	No x Depth (inches):				
Saturation Present? Yes	No x Depth (inches):	Wetlan	d Hydrology Present?	Yes No X	
(includes capillary fringe)	/				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ections), if a	available:		
Remarks:					

Sampling Point: 220-3 and 4 Up

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species
2.				That Are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant
4				Species Across All Strata: 1 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
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 =
3				FACU species <u>92</u> x 4 = <u>368</u>
4				UPL species <u>10</u> x 5 = <u>50</u>
5				Column Totals: 102 (A) 418 (B)
6				Prevalence Index = B/A = 4.10
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Pastinaca sativa	8	No	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Plantago lanceolata		No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
3. Taraxacum officinale		No	FACU	
4. Glechoma hederacea	5	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Daucus carota	2	No	UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. <u>Poa pratensis</u>	70	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	102	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				the description
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

	ription: (Describe	to the de				tor or co	onfirm the absence of indi	cators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-8	10YR 3/4	100					Loamy/Clayey	
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion. RM	=Reduced Matrix. N	/IS=Mas	ked Sanc	Grains.	<sup>2</sup> Location: PL=Po	re Lining, M=Matrix.
Hydric Soil I		,	,					oblematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belc	w Surfa	ce (S8) (I	LRR R.		10) ( <b>LRR K, L, MLRA 149B</b> )
	pipedon (A2)		MLRA 149B			,		Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surf	,		MI RA 1		eat or Peat (S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		High Chroma S		-			ow Surface (S8) ( <b>LRR K, L</b> )
	I Layers (A5)		Loamy Mucky	-				face (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	(11)	Loamy Gleyed			<b>、 ∩, ∟</b> )		se Masses (F12) ( <b>LRR K, L, R</b> )
	ark Surface (A12)	; (,,,,)	Depleted Matri		12)			odplain Soils (F19) ( <b>MLRA 149B</b> )
			Redox Dark Su		<b>(</b> )			
	lucky Mineral (S1)				-			(TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark				Red Parent M	
	edox (S5)		Redox Depress		0)			Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	( <b>R K, L</b> )			Other (Explain	i in Remarks)
Dark Sur	face (S7)							
3								
		ion and w	etland hydrology mu	ust be pr	resent, ur	iless dist	urbed or problematic.	
_	_ayer (if observed):							
Туре:	rock/road	side fill						
Depth (ir	nches):	8					Hydric Soil Present?	Yes <u>No X</u>
Remarks:								
	m is revised from No	rthcentral	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NRCS Fie	eld Indicators of Hydric Soils,
	2015 Errata. (http://w							
			-	_				

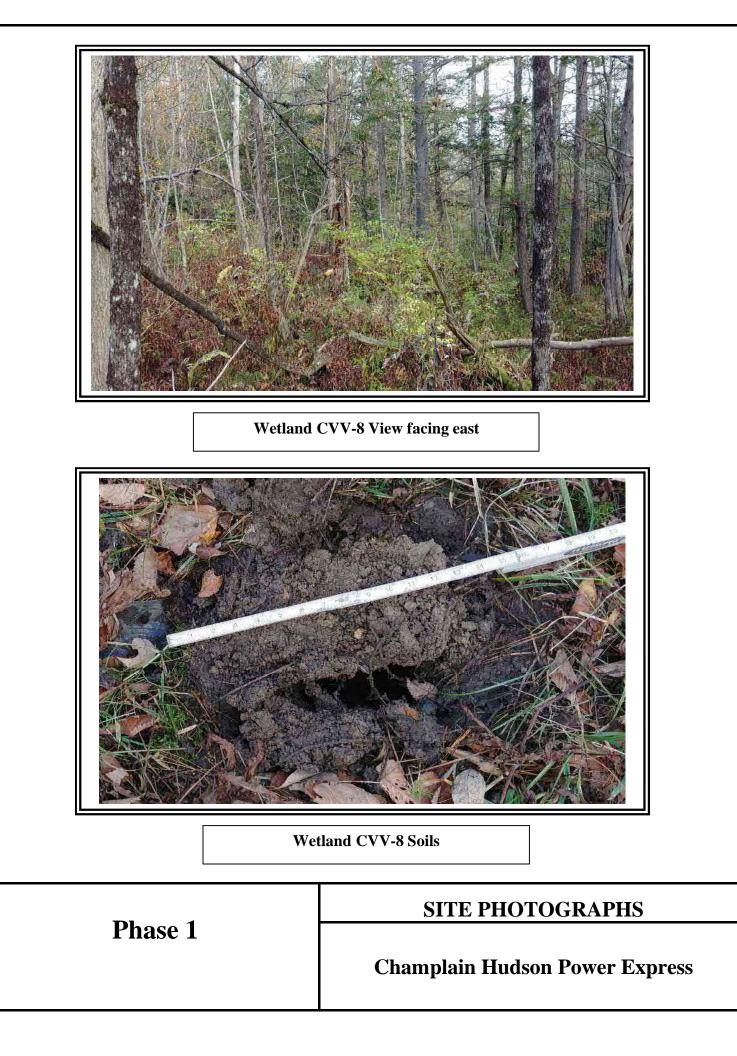


Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CVV-8
Investigator(s): C. Scrivner, C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression Local	relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-38-36.35N	Long: 73-26-40.42W Datum: WGS 84
Soil Map Unit Name: HNC - Hollis-Rock outcrop association, gently sloping	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present?   Yes   X   No	If yes, optional Wetland Site ID: Near Flag CVV-8
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Forested Wetland. Edinger classification: Red-maple Hardwood	Swamp.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)Water-Stained Leaves (E	B9) 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 (	
Sediment Deposits (B2)Oxidized Rhizospheres c	
Drift Deposits (B3) Presence of Reduced Irc Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	

Sampling Point: WET CVV-8

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	75	Yes	FACW	Number of Dominant Species
2. Juniperus virginiana	10	No	FACU	That Are OBL, FACW, or FAC: <u>3</u> (A)
3. Pinus strobus	5	No	FACU	Total Number of Dominant
4. Tsuga canadensis	5	No	FACU	Species Across All Strata: <u>6</u> (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 50.0% (A/E
7				Prevalence Index worksheet:
	95	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15'	)			OBL species <u>5</u> x 1 = <u>5</u>
1. Zanthoxylum americanum	25	Yes	FACU	FACW species 123 x 2 = 246
2. Lonicera morrowii	10	Yes	FACU	FAC species x 3 =75
3. Ulmus americana	5	No	FACW	FACU species 81 x 4 = 324
A. Rhamnus cathartica	5	No	FAC	UPL species 0 x 5 = 0
5.				Column Totals: 234 (A) 650 (B
5.				Prevalence Index = B/A = 2.78
7.				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Onoclea sensibilis	30	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Equisetum arvense	15	Yes	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporti
3. Pinus strobus	10	Yes	FACU	data in Remarks or on a separate sheet)
4. Inula helenium	8	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Solidago gigantea	8	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. Symphyotrichum ericoides	8	No	FACU	present, unless disturbed or problematic.
7. Ulmus americana	5	No	FACW	Definitions of Vegetation Strata:
3. Solidago rugosa	5	No	FAC	Tree – Woody plants 3 in. (7.6 cm) or more in diame
9. Carex bebbii	5	No	OBL	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, regardles
	94	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 30'	)			Woody vines – All woody vines greater than 3.28 ft i
1.	-			height.
2.				
3.				Hydrophytic Vegetation
				Present? Yes X No
4.				

Profile Desc	ription: (Describe t	o the de	pth needed to docu	ment th	e indica	tor or co	nfirm the absence of indic	ators.)
Depth	Matrix		Redox	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-8	10YR 3/1	85	10YR 4/6	15	С	М	Mucky Loam/Clay P	rominent redox concentrations
8-16	10YR 4/1	70	10YR 4/6	30	С	Μ	Loamy/Clayey	
·								
·								
·								
<sup>1</sup> Type: C=Co Hydric Soil I		etion, RN	I=Reduced Matrix, MS	S=Mask	ed Sand	Grains.		re Lining, M=Matrix. bblematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belov	w Surfac	ce (S8) (I	RR R.		10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B)		- ( / (	,		Redox (A16) ( <b>LRR K, L, R</b> )
Black His	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	149B) 5 cm Mucky P	Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	11) ( <b>LRF</b>	R K, L)	Polyvalue Bel	ow Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky M	Mineral (	F1) ( <b>LRF</b>	R K, L)	Thin Dark Sur	face (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	e (A11)	Loamy Gleyed		-2)			ese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		X Depleted Matrix					odplain Soils (F19) ( <b>MLRA 149B</b> )
	ucky Mineral (S1)		X Redox Dark Su					(TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark				Red Parent M	
	edox (S5)		? Redox Depress		3)			Dark Surface (F22)
	Matrix (S6) face (S7)		Marl (F10) ( <b>LR</b> I	R K, L)			Other (Explain	n in Remarks)
Dark Sur								
		on and w	etland hydrology mus	st be pre	sent, unl	ess distu	rbed or problematic.	
Restrictive L Type:	ayer (if observed):							
	ches):						Hydric Soil Present?	Yes X No
Remarks:								



Project/Site: CHPE		City/County: Dresden / Washington	Sampling Date: 10/15/21
Applicant/Owner: TDI		State	: NY Sampling Point: UPL CVV-8
Investigator(s): C. Scrivner, C. Einstein		Section, Township, Range:	:
Landform (hillside, terrace, etc.): Hillslope	Local r	elief (concave, convex, none): <u>Conc</u>	cave Slope %: 100
Subregion (LRR or MLRA): LRR R	Lat: 43-38-36.86N	Long: 73-26-41.36V	N Datum: WGS 84
Soil Map Unit Name: HNC - Hollis-Rock outcr	op association, gently sloping	and sloping NWI class	sification: NA
Are climatic / hydrologic conditions on the site t	ypical for this time of year?	Yes X No	(If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrold	ogy significantly disturb		ces" present? Yes X No
Are Vegetation, Soil, or Hydrold			answers in Remarks.)
SUMMARY OF FINDINGS – Attach			sects, important features, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Area	
	Yes No X		esNoX
Wetland Hydrology Present?	Yes No X	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures her Successional Northern Hardwoods.	e or in a separate report.)		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Inc	dicators (minimum of two required)
Primary Indicators (minimum of one is required	d; check all that apply)	Surface S	Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B		Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)		n Lines (B16)
Saturation (A3)	Marl Deposits (B15)		on Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C	,	Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres or	n Living Roots (C3) Saturation	n Visible on Aerial Imagery (C9)

Presence of Reduced Iron (C4)

Depth (inches):

Depth (inches):

Depth (inches):

Thin Muck Surface (C7)

Other (Explain in Remarks)

Recent Iron Reduction in Tilled Soils (C6)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
	Describe Recorded Data (stream a	auge monitoring well serial photoe	provinue increations) if available.
	Describe Recorded Data (Stream ga	auge, mornioring wen, aenai priotos,	

No<u>X</u>

No X

No X

Remarks:

Drift Deposits (B3)

Iron Deposits (B5)

**Field Observations:** 

Surface Water Present?

(includes capillary fringe)

Water Table Present?

Saturation Present?

Algal Mat or Crust (B4)

Inundation Visible on Aerial Imagery (B7) \_\_\_\_\_ Sparsely Vegetated Concave Surface (B8)

Yes

Yes

Yes

Yes \_\_\_\_ No \_ X

Stunted or Stressed Plants (D1)

Geomorphic Position (D2)

Microtopographic Relief (D4)

Shallow Aquitard (D3)

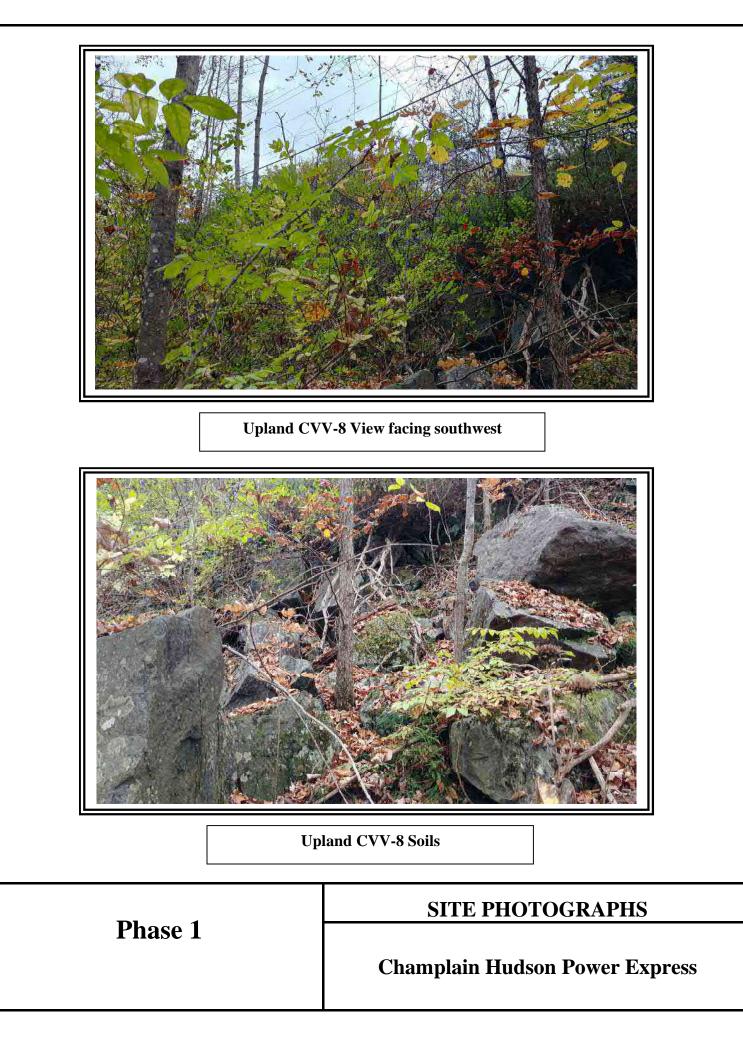
FAC-Neutral Test (D5)

Wetland Hydrology Present?

Sampling Point: UPL CVV-8

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus americana	40	Yes	FACU	
2. Acer saccharum	10	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:1(A)
3. Tilia americana	10	Yes	FACU	
4. Ostrya virginiana	10	Yes	FACU	Total Number of Dominant Species Across All Strata: 9 (B)
5. Tsuga canadensis	5	No	FACU	
6. Pinus strobus	5	No	FACU	Percent of Dominant Species That Are OBL, FACW, or FAC: 11.1% (A/
7. Rhamnus cathartica	5	No	FAC	Prevalence Index worksheet:
	85	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		-		OBL species 0 x 1 = 0
1. Lonicera morrowii	30	Yes	FACU	FACW species $0   x 2 = 0$
2. Rhus typhina	10	Yes	UPL	FAC species 25 x 3 = 75
3. Juniperus virginiana	5	No	FACU	FACU species 132 x 4 = 528
4.				UPL species $10 \times 5 = 50$
5.				Column Totals: 167 (A) 653 (
а. Э.				Prevalence Index = B/A = 3.91
7.				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Equisetum arvense	20	Yes	FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Lonicera morrowii	10	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide support
3. Zanthoxylum americanum	2	No	FACU	data in Remarks or on a separate sheet)
4.			17.00	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
3				Tree – Woody plants 3 in. (7.6 cm) or more in diame
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, regardle
	32	=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
1. Vitis aestivalis	5	Yes	FACU	height.
2				
3				Hydrophytic Vegetation
				Present? Yes No X
4				

Profile Desc	ription: (Describe t	o the de	pth needed to docu	ment th	e indica	tor or cor	nfirm the absence of indicators.)
Depth	Matrix		Redo	x Featur	es		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
						·	
						·	<u> </u>
						<u> </u>	
·						<u> </u>	
·							
<sup>1</sup> Type: C=Co	ncentration. D=Deple	etion. RM	Reduced Matrix, M	S=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil I							Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (			Polyvalue Belo	w Surfac	ce (S8) (I	_RR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 1498		( )(		Coast Prairie Redox (A16) (LRR K, L, R)
Black His	,		Thin Dark Surfa	·	(LRR R	MLRA 14	
	n Sulfide (A4)		High Chroma S				Polyvalue Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I				Thin Dark Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			<b>、 (、, ∟</b> )	Iron-Manganese Masses (F12) (LRR K, L, R
	rk Surface (A12)	(711)	Depleted Matrix		2)		Piedmont Floodplain Soils (F12) (MLRA 149
					·C)		
	ucky Mineral (S1)		Redox Dark Su				Mesic Spodic (TA6) (MLRA 144A, 145, 149B
	eyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)
Sandy Re			Redox Depress		3)		Very Shallow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)
Dark Sur	lace (57)						
<sup>3</sup> Indicators of	hydrophytic vegetati	on and w	etland hydrology mus	st be pre	esent, unl	ess distur	rbed or problematic.
	ayer (if observed):						
Туре:	Rock / B	oulder					
Depth (in	ches):	0					Hydric Soil Present? Yes <u>No X</u>
Remarks:		_					
No soils colle	cted due to significar	nt rock ou	itcropping and boulde	ers.			

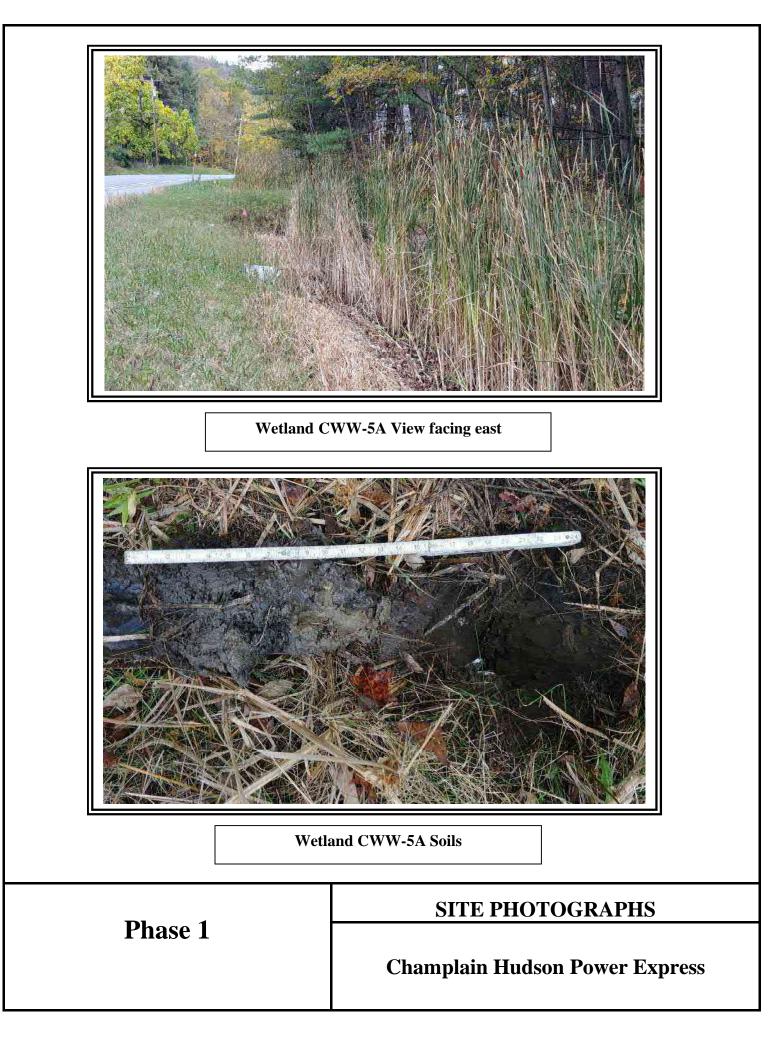


Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CWW-5A
Investigator(s): C. Scrivner, C. Einstein	Section, Township, Range:
	al relief (concave, convex, none): Concave Slope %: 1
Subregion (LRR or MLRA): LRR R Lat: 43-38-28.79N	Long: 73-26-47.32W Datum: WGS 84
Soil Map Unit Name: HLE - Hollis-Charlton association, moderately stee	*
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrologysignificantly dist	
Are Vegetation, Soil, or Hydrologynaturally problem	
SUMMARY OF FINDINGS – Attach site map showing sa	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag CWW-5A
Remarks: (Explain alternative procedures here or in a separate report.)	
Palustrine Emergent Marsh - Cattail Marsh. Edinger classification: Shallc	w Emergent Marsh.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained Leaves	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odd	or (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizosphere	s 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	
Iron Deposits (B5) Thin Muck Surface (C	
Inundation Visible on Aerial Imagery (B7)Other (Explain in Rem	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inche	
Water Table Present? Yes X No Depth (inche	
Saturation Present? Yes X No Depth (inche (includes capillary fringe)	s): 0 Wetland Hydrology Present? Yes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	
Remarks:	

Sampling Point: WET CWW-5A

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: 1 (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 83 x 1 = 83
1. Salix nigra	3	No	OBL	FACW species 15 x 2 = 30
2				FAC species5 x 3 =15
3				FACU species x 4 =
4.				UPL species 0 x 5 = 0
5.				Column Totals: 103 (A) 128 (B)
6.				Prevalence Index = $B/A = 1.24$
7.				Hydrophytic Vegetation Indicators:
	3	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Typha angustifolia	60	Yes	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Lythrum salicaria	15	No	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Solidago gigantea		No	FACW	data in Remarks or on a separate sheet)
4. Scirpus atrovirens	5	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Euthamia graminifolia	5	No	FAC	
6. Symphyotrichum novae-angliae	5	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.			FACW	Definitions of Vegetation Strata:
				Demitions of Vegetation Strata.
8 9				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				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				

Profile Desc	ription: (Describe t	o the de	pth needed to docu	ment th	e indica	tor or co	nfirm the absence of indica	ators.)
Depth	Matrix		Redox	k Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-8	10YR 3/1	95	10YR 4/6	5	С	PL	Loamy/Clayey Pr	ominent redox concentrations
8-16	10YR 4/1	70	10YR 4/6	30	С	М	Mucky Loam/Clay	
·								
1								
Type: C=Co		etion, RN	I=Reduced Matrix, MS	S=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Por	e Lining, M=Matrix. blematic Hydric Soils <sup>3</sup> :
Histosol (			Polyvalue Belov	w Surfac	re (S8) (I	RRR		10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B)					Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa		(LRR R,	MLRA 1		eat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	ands (S	11) ( <b>LRF</b>	R K, L)	Polyvalue Belo	w Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky N	Mineral (	F1) ( <b>LRF</b>	R K, L)	Thin Dark Surf	ace (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F	-2)		Iron-Manganes	se Masses (F12) (LRR K, L, R)
	rk Surface (A12)		X Depleted Matrix					dplain Soils (F19) ( <b>MLRA 149B</b> )
	ucky Mineral (S1)		X Redox Dark Su					(TA6) ( <b>MLRA 144A, 145, 149B</b> )
	eyed Matrix (S4)		Depleted Dark				Red Parent Ma	
	edox (S5) Matrix (S6)		<u>?</u> Redox Depress Marl (F10) (LRI		3)		Other (Explain	Dark Surface (F22)
Dark Sur				κ <b>κ</b> , <b>ב</b> )				in Kentarkay
<sup>3</sup> Indicators of	hydrophytic vegetati	on and w	etland hydrology mus	st be pre	sent, unl	ess distu	rbed or problematic.	
Restrictive L	ayer (if observed):							
Туре:								
Depth (in	ches):						Hydric Soil Present?	Yes X No
Remarks:								



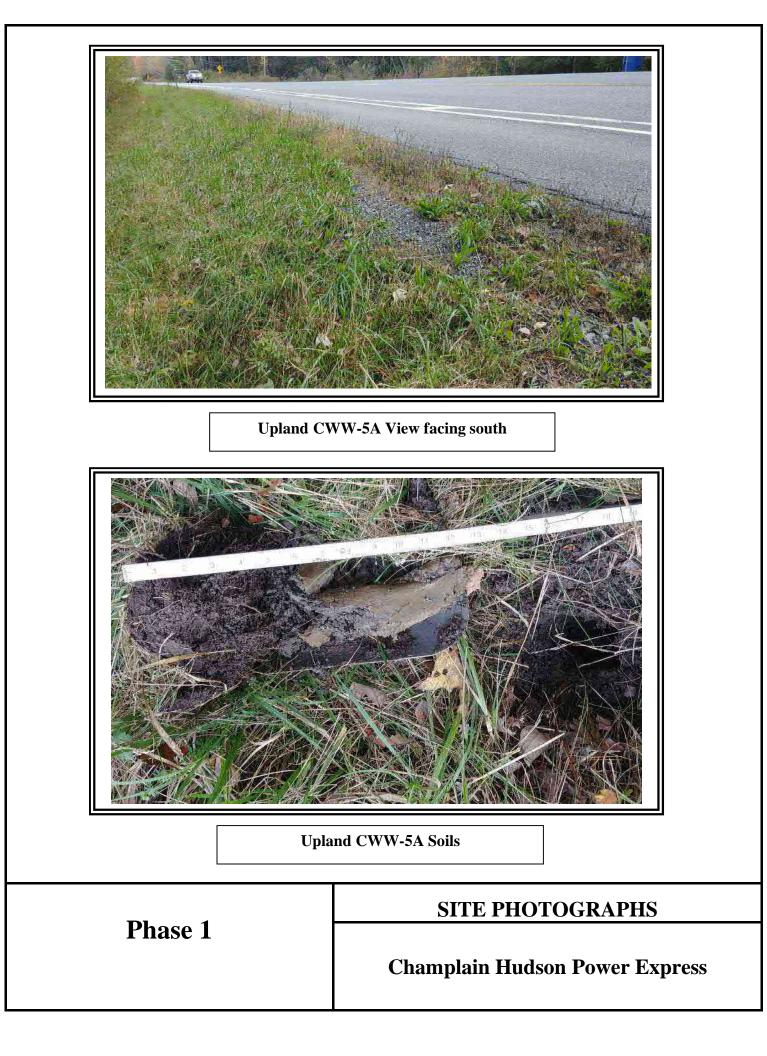
Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21
Applicant/Owner: TDI	State: NY Sampling Point: UPL CWW-5A
Investigator(s): C. Scrivner, C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope Local re	elief (concave, convex, none): <u>Convex</u> Slope %: <u>2</u>
Subregion (LRR or MLRA): LRR R Lat: 43-38-28.81N	Long: <u>73-26-47.49W</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: HLE - Hollis-Charlton association, moderately steep an	d steep NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturbed	ed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problemati	c? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing samp	ling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No _X	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes <u>No X</u>
Wetland Hydrology Present? Yes <u>No X</u>	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Mowed roadside.	
HYDROLOGY	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	d; 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 Roo	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):	Wetlan	d Hydrology Present? Yes No X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspec	tions), if a	/ailable:
		,-	
Remarks:			

Sampling Point: UPL CWW-5A

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1.		·		Number of Dominant Species That Are OBL, FACW, or FAC:(A)			
3 4		·		Total Number of Dominant Species Across All Strata: <u>2</u> (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 0 x 1 = 0			
1				FACW species 0 x 2 = 0			
2				FAC species 25 x 3 = 75			
3.				FACU species x 4 = 180			
4				UPL species 25 x 5 = 125			
5				Column Totals: 95 (A) 380 (B)			
6				Prevalence Index = B/A = 4.00			
7				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5' )				2 - Dominance Test is >50%			
1. Lolium pratense	25	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. <u>Setaria pumila</u>	25	Yes	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
3. <u>Rubia peregrina</u>	15	No	UPL	data in Remarks or on a separate sheet)			
4. Phleum pratense	10	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Symphyotrichum ericoides	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be			
6. Pastinaca sativa	5	No	UPL	present, unless disturbed or problematic.			
7. Cichorium intybus	5	No	FACU	Definitions of Vegetation Strata:			
8. Vicia cracca	5	No	UPL	Tree – Woody plants 3 in. (7.6 cm) or more in diameter			
9.				at breast height (DBH), regardless of height.			
10.				Senting (shout) . Weady plants loss than 2 in DDU			
11.				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12.							
	95	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30'	)	-					
1				<b>Woody vines</b> – 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 sep	arate sheet )						
Remarks. (include photo numbers here of on a sep	arate sheet.)						

Profile Desc	ription: (Describe t	o the dep	th needed to docu	ment th	e indicat	or or co	nfirm the absence of i	indicators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Rema	rks
0-5	10YR 3/1	100					Loamy/Clayey		
5-12	10YR 5/2	90	10YR 5/8	10	С	М	Mucky Loam/Clay	Prominent redox	concentrations
	oncentration, D=Depl	etion RM	-Reduced Matrix M	IS-Mask	ed Sand	Grains	<sup>2</sup> Location: Pl	L=Pore Lining, M=Ma	atrix
Hydric Soil I						Oranio.		or Problematic Hydr	
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R.		ck (A10) ( <b>LRR K, L</b> ,	
	vipedon (A2)		MLRA 149B		() (-	,		airie Redox (A16) (L	
Black His			Thin Dark Surf		(LRR R	MLRA		cky Peat or Peat (S3	
	n Sulfide (A4)		High Chroma S						
	Layers (A5)		Loamy Mucky				Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)		
	Below Dark Surface	(A11)	Loamy Gleyed			, _/	Iron-Manganese Masses (F12) (LRR K, L, R)		
	irk Surface (A12)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	X Depleted Matri		)			t Floodplain Soils (F	
	lucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) ( <b>MLRA 1</b>	
	leyed Matrix (S4)		Depleted Dark					ent Material (F21)	++A, 140, 140D)
	edox (S5)		Redox Depress					· · ,	222)
					0)		Very Shallow Dark Surface (F22) Other (Explain in Remarks)		
	Matrix (S6) face (S7)		Marl (F10) ( <b>LR</b>	<b>r r</b> , l)			Other (E)	xplain in Remarks)	
	hydrophytic vegetati ayer (if observed):	ion and we	etland hydrology mu	st be pre	esent, un	less dist	urbed or problematic.		
	Gravel	/ Fill							
-	nches):	12					Hydric Soil Presen	nt? Yes X	No
Remarks:	·								
No soils colle	ected due to significa	nt rock ou	tcropping and bould	lers.					

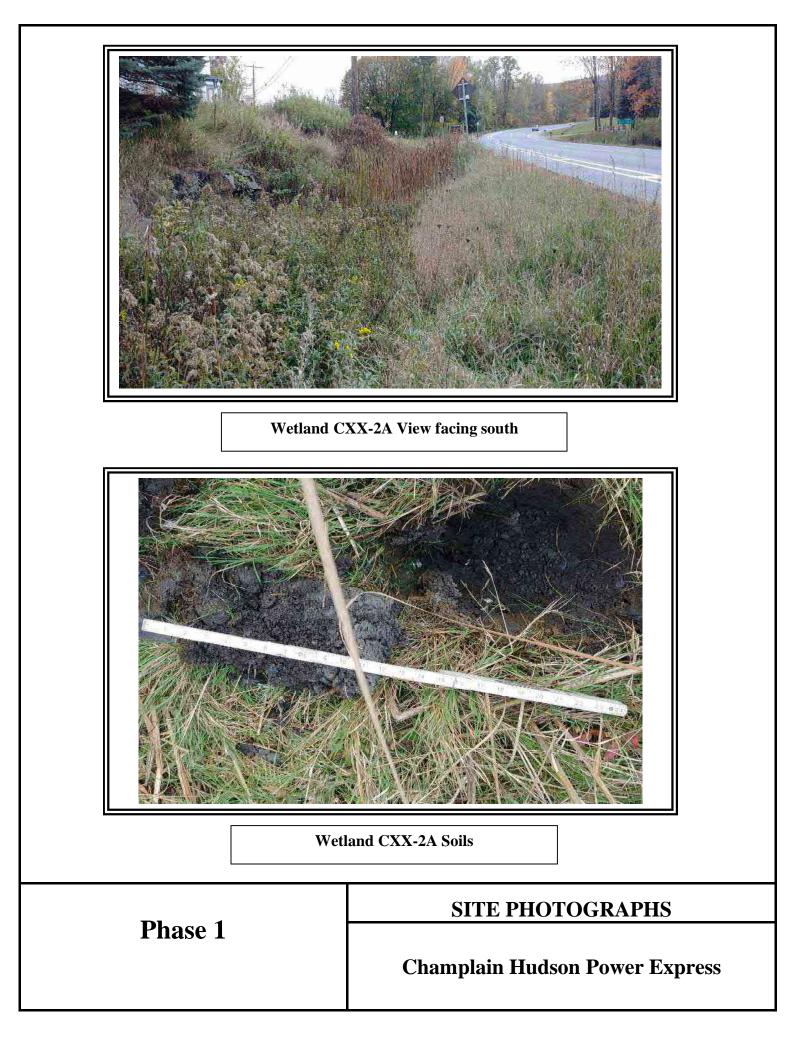


Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CXX-2A
Investigator(s): C. Scrivner, C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Linear ditch Local	relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-38-15.30N	Long: 73-26-45.60W Datum: WGS 84
Soil Map Unit Name: HSDK - Hoosic gravelly sandy loam, rolling and hilly	NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	T
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present?   Yes X   No	If yes, optional Wetland Site ID: Near Flag CXX-2A
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Emergent Marsh - Cattail Marsh. Edinger classification: 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 (E	B9) X Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (	
Sediment Deposits (B2)Oxidized Rhizospheres of Deduced Irr	
Drift Deposits (B3) Presence of Reduced Irc Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present?         Yes         No         X         Depth (inches):	
Saturation Present? Yes X No Depth (inches):	8 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
Remarks.	

Sampling Point: WET CXX-2A

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				Total Number of Dominant Species Across All Strata: 1 (B)			
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
7.				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15' )				OBL species 93 x 1 = 93			
1. Salix nigra	3	No	OBL	FACW species 10 x 2 = 20			
2.				FAC species 0 x 3 = 0			
3				FACU species 0 x 4 = 0			
4.				UPL species 0 x 5 = 0			
5.				Column Totals: 103 (A) 113 (B)			
6.				Prevalence Index = B/A = 1.10			
7.				Hydrophytic Vegetation Indicators:			
	3	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%			
1. Typha angustifolia	80	Yes	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Solidago gigantea	10	No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
3. Lythrum salicaria		No	OBL	data in Remarks or on a separate sheet)			
4.			OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5.							
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be			
6.				present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8 9				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10				Sapling/shrub – Woody plants less than 3 in. DBH			
11				and greater than or equal to 3.28 ft (1 m) tall.			
12				Herb – All herbaceous (non-woody) plants, regardless			
Weady Vine Stratum (Plat size) 201	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
<u>Woody Vine Stratum</u> (Plot size: <u>30'</u> ) 1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.			
2		·		Hydrophytic			
3				Vegetation			
4.				Present? Yes <u>X</u> No			
		=Total Cover					
Remarks: (Include photo numbers here or on a separa	ate sheet.)						

Profile Desc	cription: (Describe	to the dep	th needed to docu	iment th	e indica	or or co	nfirm the absence of indic	ators.)
Depth	Matrix		Redo	x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-2	10YR 3/1	65	10YR 4/4	45	С	PL	Loamy/Clayey	Distinct redox concentrations
2-9	10YR 3/1	95	10YR 3/6	5	С	М	Sandy	
9-12	10YR 5/1	95	10YR 4/6	5	С	М	Sandy P	rominent redox concentrations
		· <u> </u>						
4		·						
	oncentration, D=Depl	etion, RM=	Reduced Matrix, M	S=Mask	ed Sand	Grains.		re Lining, M=Matrix.
Hydric Soil I Histosol			Polyvalue Belo	w Surfac	n (88) (I			oblematic Hydric Soils <sup>3</sup> : 10) (LRR K, L, MLRA 149B)
	bipedon (A2)		MLRA 149B		Je (00) (L	.nn n,		Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surf	,	(LRR R.	MLRA 1		Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S	. ,	· ·		·	ow Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky					rface (S9) ( <b>LRR K, L</b> )
	d Below Dark Surface	e (A11)	Loamy Gleyed			, _,		ese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri		,			odplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			(TA6) ( <b>MLRA 144A</b> , <b>145</b> , <b>149B</b> )
	leyed Matrix (S4)		Depleted Dark	`	,		Red Parent M	
X Sandy R	• • • •		? Redox Depres					Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	•	-,			n in Remarks)
	rface (S7)		、 /、	. ,			、 .	,
	f hydrophytic vegetati	ion and we	tland hydrology mu	st be pre	esent, unl	ess distu	rbed or problematic.	
	Layer (if observed):							
Туре:	Rock / C							
Depth (ir	nches):	12					Hydric Soil Present?	Yes X No
Remarks:								



Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21				
Applicant/Owner: TDI	State: NY Sampling Point: UPL CXX-2A				
Investigator(s): C. Scrivner, C. Einstein	Section, Township, Range:				
	relief (concave, convex, none): Convex Slope %: 1				
Subregion (LRR or MLRA): LRR R Lat: 43-38-15.33N	Long: 73-26-45.72W Datum: WGS 84				
Soil Map Unit Name: HSDK - Hoosic gravelly sandy loam, rolling and hilly					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significantly distur					
Are Vegetation, Soil, or Hydrologynaturally problem:					
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present?       Yes       No       X         Hydric Soil Present?       Yes       X       No	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.)					
Mowed roadside.					
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1)Water-Stained Leaves (	(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					
Drift Deposits (B3) Presence of Reduced Ir					
Algal Mat or Crust (B4) Recent Iron Reduction i	n Tilled Soils (C6) Geomorphic Position (D2)				
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remain	rks) Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No X Depth (inches)					
Water Table Present? Yes No X Depth (inches)					
Saturation Present? Yes No X Depth (inches)	Wetland Hydrology Present? Yes No X				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:				
Remarks:					

Sampling Point: UPL CXX-2A

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:1(B)			
5				Percent of Dominant Species That Are OBL, FACW, or FAC:			
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 10 x 3 = 30			
3				FACU species x 4 = 280			
4.				UPL species 20 x 5 = 100			
5.				Column Totals: 100 (A) 410 (B)			
6.				Prevalence Index = $B/A = 4.10$			
7.				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%			
1. Lolium pratense	60	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Cichorium intybus	10	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
3. Setaria pumila	10	No	FAC	data in Remarks or on a separate sheet)			
4. Daucus carota	10	No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Vicia cracca	5	No	UPL				
6. Pastinaca sativa	5	No	UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8.							
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10				Sapling/shrub – Woody plants less than 3 in. DBH			
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')           1.				Woody vines – All woody vines greater than 3.28 ft in height.			
2				Toght			
				Hydrophytic			
				Vegetation Present? Yes No X			
4.				Present? Yes <u>No X</u>			
		=Total Cover					
Remarks: (Include photo numbers here or on a separ	ate sheet.)						

Profile Desc	ription: (Describe	to the dep	th needed to docu	ument th	e indica	tor or co	nfirm the absence of indicators.)		
Depth	Matrix		Redo	ox Featur	res				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Re	emarks	
0-3	10YR 2/1	100					Sandy		
3-13	10YR 3/2	95	2.5YR 3/3	5	С	М	Sandy Prominent red	lox concentrations	
		<u> </u>							
		<u> </u>							
		·							
		<u> </u>		·					
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, M	IS=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Pore Lining, M=		
Hydric Soil							Indicators for Problematic H		
Histosol	. ,		Polyvalue Belo		ce (S8) ( <b>I</b>	.RR R,	2 cm Muck (A10) (LRR K,		
· ·	pipedon (A2)		MLRA 1498	,			Coast Prairie Redox (A16)		
Black Hi	. ,		Thin Dark Surf						
	n Sulfide (A4)		High Chroma				Polyvalue Below Surface (S8) (LRR K, L)		
	Layers (A5)		Loamy Mucky			R K, L)	Thin Dark Surface (S9) (LRR K, L)		
·	d Below Dark Surface	e (A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (		
	ark Surface (A12)		Depleted Matri				Piedmont Floodplain Soils		
	lucky Mineral (S1)		Redox Dark S		,		Mesic Spodic (TA6) (MLR		
	ileyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)		
X Sandy R			Redox Depres		8)		Very Shallow Dark Surface		
	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (Explain in Remarks	5)	
Dark Su	rface (S7)								
<sup>3</sup> Indicators of	f hydrophytic vegetati	ion and we	tland bydrology mu	et ha nra	seant un	occ dictu	rbed or problematic		
	Layer (if observed):		tiand hydrology mu	st be pre	ssent, un	C35 UI31U			
Type:	Rock / Gr	avel Fill							
Depth (ir	nches):	13					Hydric Soil Present? Yes	X No	
Remarks:	·								
	ected due to significa	nt rock out	cropping and bould	ers.					

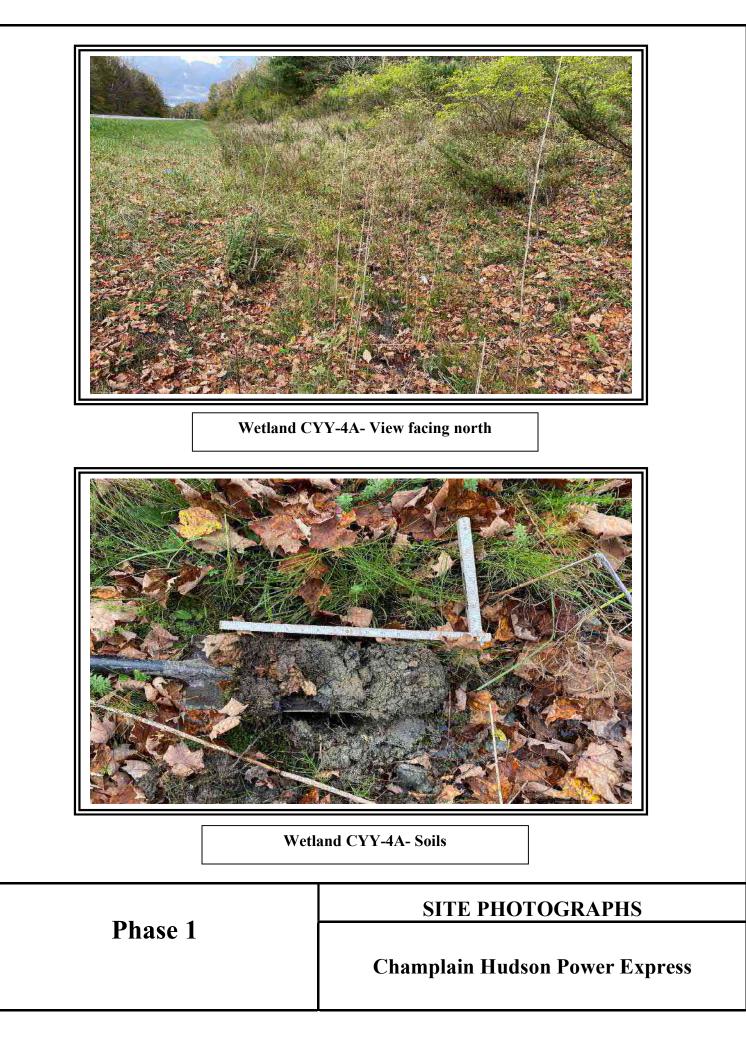


Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/18/21				
Applicant/Owner: TDI	State: NY Sampling Point: WET CYY-4A				
Investigator(s): J. Greaves, C. Scrivner, N. Frazer	Section, Township, Range:				
	relief (concave, convex, none): Concave Slope %: 5				
Subregion (LRR or MLRA): LRR R Lat: 43-37-41.60N	Long: 73-26-41.31W Datum: WGS 84				
Soil Map Unit Name: <u>CHC - Charlton fine sandy loam, 3 to 8 percent slopes</u>					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrologysignificantly disturb	bed? Are "Normal Circumstances" present? Yes X No				
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area				
Hydric Soil Present? Yes X No	within a Wetland? Yes X No				
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag CYY-4A				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
X Surface Water (A1) X Water-Stained Leaves (E					
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1)Hydrogen Sulfide Odor (					
Sediment Deposits (B2)Oxidized Rhizospheres of					
Drift Deposits (B3) Presence of Reduced Irc					
Algal Mat or Crust (B4)Recent Iron Reduction in					
Iron Deposits (B5) Thin Muck Surface (C7)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark					
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present?         Yes         X         No         Depth (inches):           Water Table Present?         Yes         X         No         Depth (inches):					
Water Table Present?     Yes     X     No     Depth (inches):       Saturation Present?     Yes     X     No     Depth (inches):					
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:				
Remarks:					

Sampling Point: WET CYY-4A

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:(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 <u>67</u> x 1 = <u>67</u>			
1. <u>Salix nigra</u>	2	No	OBL	FACW species <u>5</u> x 2 = <u>10</u>			
2				FAC species 25 x 3 = 75			
3				FACU species x 4 =			
4				UPL species 0 x 5 = 0			
5				Column Totals: 97 (A) 152 (B)			
6				Prevalence Index = B/A = 1.57			
7				Hydrophytic Vegetation Indicators:			
	2	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%			
1. Lythrum salicaria	55	Yes	OBL	X_3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Equisetum arvense	25	Yes	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
3. Epilobium coloratum	5	No	OBL	data in Remarks or on a separate sheet)			
4. Symphyotrichum novae-angliae	5	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Typha angustifolia	5	No	OBL				
6.				<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>			
7.				Definitions of Vegetation Strata:			
8.							
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10 11		·		<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12	95	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in			
1		·	·······	height.			
2		·		Hydrophytic			
3.		·		Vegetation			
4		·		Present? Yes X No			
		=Total Cover					
Remarks: (Include photo numbers here or on a separ	ate sheet.)						

Profile Desc	ription: (Describe t	to the de				tor or co	onfirm the absence of	indicators.)	
Depth	Matrix			x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-3	10YR 2/1	98	10YR 4/6	2	С	PL	Sandy	Prominent redox concentrations	
3-16	10YR 4/1	55	10YR 5/3	30	С	Μ	Sandy	Distinct redox concentrations	
			10YR 4/6	15	С	Μ		Prominent redox concentrations	
·									
	oncentration, D=Depl	etion RM	-Reduced Matrix M	S-Mask	ed Sand	Grains	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.	
Hydric Soil I					ou ounu	oranio.		or Problematic Hydric Soils <sup>3</sup> :	
Histosol	(A1)		Polyvalue Belo	w Surfac	ce (S8) ( <b>I</b>	_RR R,	2 cm Mu	uck (A10) ( <b>LRR K, L, MLRA 149B</b> )	
Histic Ep	ipedon (A2)		MLRA 149B	5)			? Coast Pr	rairie Redox (A16) (LRR K, L, R)	
Black His	stic (A3)		X Thin Dark Surf	ace (S9)	(LRR R,	, MLRA 1	1 <b>49B</b> ) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		High Chroma S	Sands (S	11) ( <b>LRF</b>	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)	
Stratified	Layers (A5)		Loamy Mucky	Mineral (	F1) ( <b>LRF</b>	R K, L)	Thin Dar	rk Surface (S9) ( <b>LRR K, L</b> )	
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F	-2)		Iron-Manganese Masses (F12) (LRR K, L, R)		
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmor	nt Floodplain Soils (F19) ( <b>MLRA 149B</b> )	
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic S	podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )	
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	ent Material (F21)	
Sandy R	edox (S5)		Redox Depress	sions (F8	3)		Very Sha	allow Dark Surface (F22)	
? Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)	
Dark Sur	face (S7)								
<sup>3</sup> Indicators of	hydrophytic vegetati	ion and w	etland hydrology mu	st he nre	sent unl	ess distu	urbed or problematic		
	ayer (if observed):		eliand hydrology ma	st be pre	Sent, un	033 01310			
Туре:									
Depth (in	nches):						Hydric Soil Preser	nt? Yes X No	
Remarks:							•		



Project/Site: CHPE	(	City/County: Dresden/Washington	Sampling Date: 10/18/21					
Applicant/Owner: TDI		State: NY	Sampling Point: CYY-4A Upl					
Investigator(s): N. Frazer, J. Greaves, C. Scrivner		Section, Township, Range:						
Landform (hillside, terrace, etc.): hillslope	Local re	lief (concave, convex, none): <u>none</u>	Slope %: 2					
Subregion (LRR or MLRA): LRR R	Lat: 43-37-40.50N	Long: <u>73-26-41.5W</u>	Datum:					
Soil Map Unit Name: Charlton fine sandy loam		NWI classification:	N/A					
Are climatic / hydrologic conditions on the site typica	al for this time of year?	Yes <u>x</u> No (If no, e	explain in Remarks.)					
Are Vegetation, Soil, or Hydrology	significantly disturbe	ed? Are "Normal Circumstances" pres	ent? Yes <u>x</u> No					
Are Vegetation, Soil, or Hydrology	naturally problemati	c? (If needed, explain any answers ir	n Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present? Yes	No X	Is the Sampled Area						
Hydric Soil Present? Yes	X No	within a Wetland? Yes	No <u>X</u>					
Wetland Hydrology Present? Yes	X No	If yes, optional Wetland Site ID:						

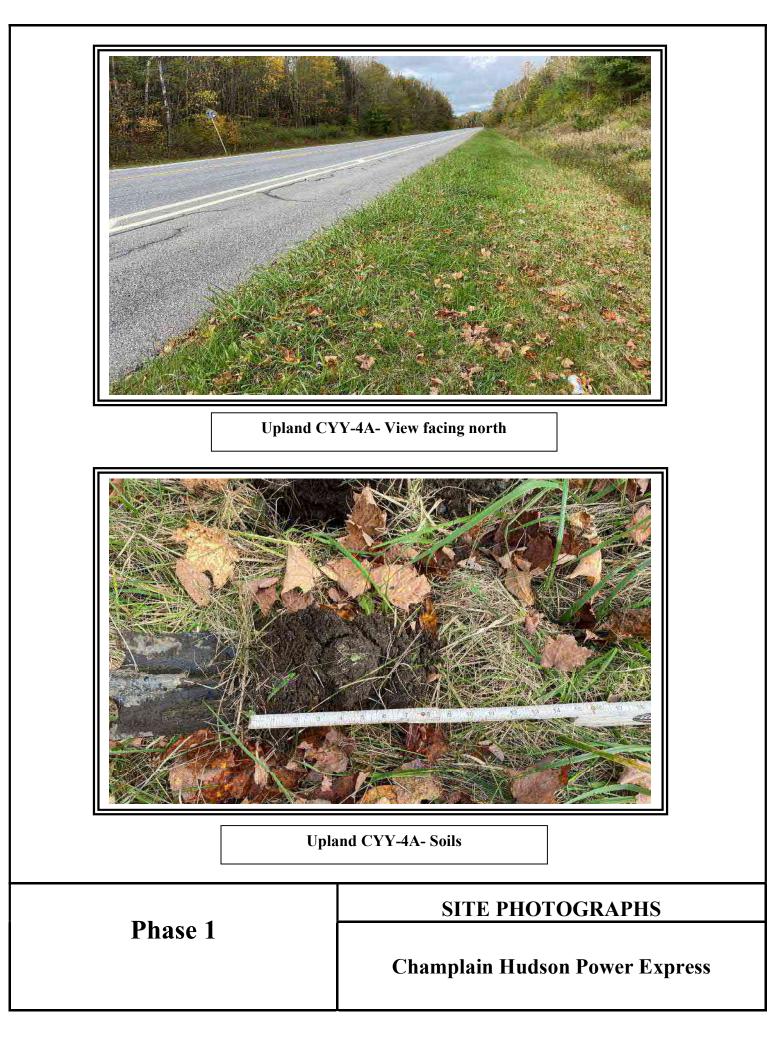
Remarks: (Explain alternative procedures here or in a separate report.) Mowed roadside.

#### HYDROLOGY

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (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)	x 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	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	8)		FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No x Depth (inches):		
Water Table Present? Yes	No x Depth (inches):		
Saturation Present? Yes	No x Depth (inches):	Wetlan	d Hydrology Present? Yes X No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:
	nitoring well, aerial photos, previous inspe	ctions), if a	available:
	nitoring well, aerial photos, previous inspe	ctions), if a	available:
	nitoring well, aerial photos, previous inspe	ctions), if a	available:
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:

		to the dep				tor or c	onfirm the absence of indicators.)	
Depth (inches)	Matrix	0/		x Featur		Loc <sup>2</sup>	Touturo	marka
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	LOC	Texture Rer	narks
0-3	10YR 2/1	100					Loamy/Clayey with	roots
3-9	10YR 3/1	88	5YR 4/6	2	C	PL	Sandy Prominent redo	ox concentrations
			10YR 4/6	10	С	M	with	gravel
———								
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL=Pore Lining, M=	Matrix.
Hydric Soil		· · · · ·					Indicators for Problematic Hy	
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (	LRR R,	2 cm Muck (A10) ( <b>LRR K</b> ,	L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B	)			Coast Prairie Redox (A16)	(LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surf	ace (S9)	) (LRR R	, MLRA <sup>·</sup>	49B)5 cm Mucky Peat or Peat (	S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		High Chroma S	-			Polyvalue Below Surface (S	
	d Layers (A5)		Loamy Mucky			R K, L)	Thin Dark Surface (S9) (LF	
· ·	d Below Dark Surface	e (A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (F	
	ark Surface (A12)		Depleted Matri		· C \		Piedmont Floodplain Soils	
	lucky Mineral (S1) Gleyed Matrix (S4)		Redox Dark Su Depleted Dark				Mesic Spodic (TA6) ( <b>MLRA</b> Red Parent Material (F21)	A 144A, 145, 149B)
X Sandy C			Redox Depres				Very Shallow Dark Surface	(F22)
	Matrix (S6)		Marl (F10) (LR		5)		Other (Explain in Remarks)	
	rface (S7)			, _/				,
	( )							
<sup>3</sup> Indicators of	f hydrophytic vegetat	ion and w	etland hydrology mi	ust be pr	resent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):							
Type:	roc	k						
Depth (ir	nches):	9					Hydric Soil Present? Yes	X No
Remarks:								
			0		••		2.0 to include the NRCS Field Indicators	of Hydric Soils,
Roadside fill.	2015 Errata. (http://w	ww.nrcs.u	Isda.gov/Internet/F	SE_DOC	JUMENT	S/nrcs14	2p2_051293.docx)	

		to the dep				tor or c	onfirm the absence of indicators.)	
Depth (inches)	Matrix	0/		x Featur		Loc <sup>2</sup>	Touturo	marka
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	LOC	Texture Rer	narks
0-3	10YR 2/1	100					Loamy/Clayey with	roots
3-9	10YR 3/1	88	5YR 4/6	2	C	PL	Sandy Prominent redo	ox concentrations
			10YR 4/6	10	С	M	with	gravel
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL=Pore Lining, M=	Matrix.
Hydric Soil		· · · · ·					Indicators for Problematic Hy	
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (	LRR R,	2 cm Muck (A10) ( <b>LRR K</b> ,	L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B	)			Coast Prairie Redox (A16)	(LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surf	ace (S9)	) (LRR R	, MLRA <sup>·</sup>	49B)5 cm Mucky Peat or Peat (	S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		High Chroma S	-			Polyvalue Below Surface (S	
	d Layers (A5)		Loamy Mucky			R K, L)	Thin Dark Surface (S9) (LF	
· ·	d Below Dark Surface	e (A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (F	
	ark Surface (A12)		Depleted Matri		· C \		Piedmont Floodplain Soils	
	lucky Mineral (S1) Gleyed Matrix (S4)		Redox Dark Su Depleted Dark				Mesic Spodic (TA6) ( <b>MLRA</b> Red Parent Material (F21)	A 144A, 145, 149B)
X Sandy C			Redox Depres				Very Shallow Dark Surface	(F22)
	Matrix (S6)		Marl (F10) (LR		5)		Other (Explain in Remarks)	
	rface (S7)			, _/				,
	( )							
<sup>3</sup> Indicators of	f hydrophytic vegetat	ion and w	etland hydrology mi	ust be pr	resent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):							
Type:	roc	k						
Depth (ir	nches):	9					Hydric Soil Present? Yes	XNo
Remarks:								
			0		••		2.0 to include the NRCS Field Indicators	of Hydric Soils,
Roadside fill.	2015 Errata. (http://w	ww.nrcs.u	Isda.gov/Internet/F	SE_DOC	JUMENT	S/nrcs14	2p2_051293.docx)	



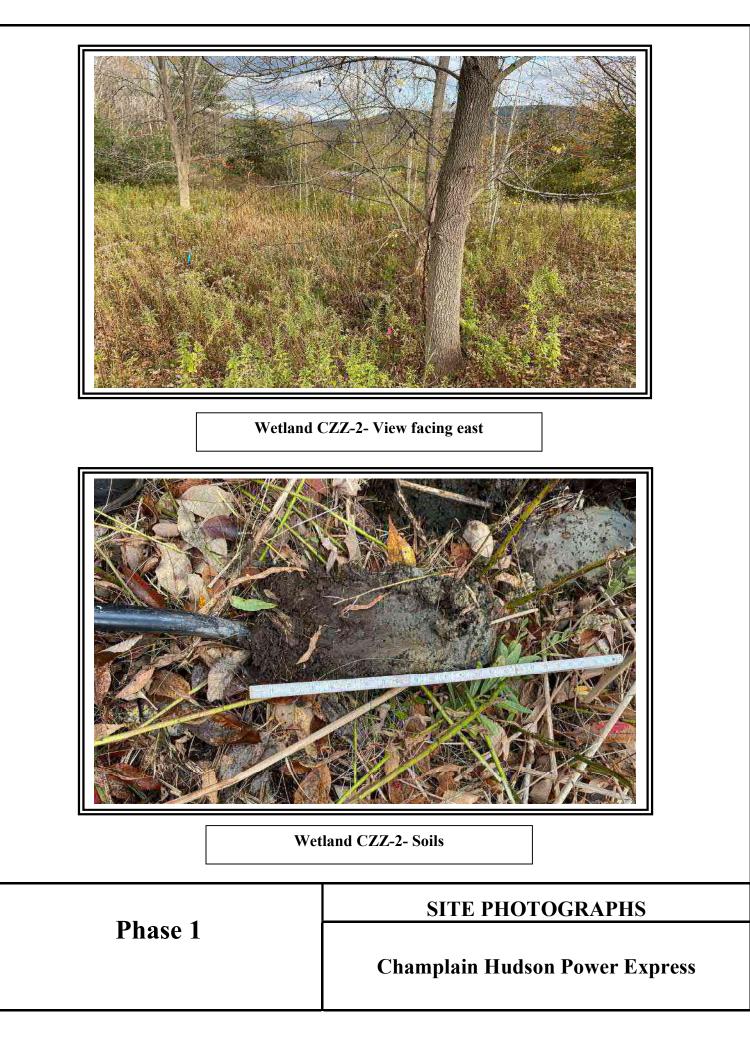
Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/18/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CZZ-2
Investigator(s): N. Frazer, J. Greaves, C. Scrivner	Section, Township, Range:
	relief (concave, convex, none): Concave Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 43-37-31.22N	Long: 73-26-42.15N Datum: WGS 84
<b>.</b>	
Soil Map Unit Name: VeC - Vergennes silty clay loam	NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes <u>x</u> No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag CZZ-2
Remarks: (Explain alternative procedures here or in a separate report.)	
Palustrine Emergent Marsh - Cattail Marsh. Edinger classification: 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 (E	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (	C1) Crayfish Burrows (C8)
Sediment Deposits (B2) X Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)Presence of Reduced Irc	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No x Depth (inches):	
Water Table Present?     Yes     X     No     Depth (inches):       Saturation Present?     Yes     X     No     Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	zvious inspections), if available:
Remarks:	

Sampling Point: WET CZZ-2

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:1(B)
5		·		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 75 x 1 = 75
1				FACW species 5 x 2 = 10
2.				FAC species 15 x 3 = 45
3.				FACU species 5 $x 4 = 20$
4.				UPL species 0 x 5 = 0
5.				Column Totals: 100 (A) 150 (B)
				Prevalence Index = $B/A = 1.50$
6 7.				Hydrophytic Vegetation Indicators:
···		=Total Cover		
Herb Stratum (Plot size: 5')				1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50%
	05	Ma a		
1. Typha angustifolia	65	Yes	OBL	X 3 - Prevalence Index is $≤3.0^1$
2. Equisetum arvense	10	No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
3. Lythrum salicaria		No	OBL	
4. Solidago rugosa	5	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Lotus corniculatus	5	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be
6. Plantago lanceolata	5	No	FACU	present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
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.				
	100	=Total Cover		<b>Herb</b> – 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				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)	-		I

	Matrix			x Featur		. 2		
inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 2/1	95	10YR 3/3	5	С	PL	Loamy/Clayey	
6-10	10YR 3/1	60	10YR 4/6	30	С	Μ	Loamy/Clayey	
			10YR 5/4	10	С	М		Distinct redox concentrations
10-16	N 4/	78	10YR 4/3	10	С	М	Sandy	Prominent redox concentrations
			10YR 2/1	10	С	М		Distinct redox concentrations
			10YR 5/4	2	С	М		Prominent redox concentrations
				_				
		·						
			Dealuse al Materius M	0 141-		••••••	2	D. Dava Linina M. Mateix
		etion, RM=	Reduced Matrix, N	S=Mask	ed Sand	Grains.		PL=Pore Lining, M=Matrix.
	Indicators:	etion, RM=					Indicators	for Problematic Hydric Soils <sup>3</sup> :
Hydric Soil I Histosol	Indicators:	etion, RM=	EReduced Matrix, M ?Polyvalue Belc MLRA 149B	w Surfac			Indicators 1 2 cm M	
Hydric Soil I Histosol	Indicators: (A1) Dipedon (A2)	etion, RM=	? Polyvalue Belo	ow Surfac	ce (S8) (L	.RR R,	Indicators f 2 cm M ? Coast F	for Problematic Hydric Soils <sup>3</sup> : uck (A10) (LRR K, L, MLRA 149B)
Hydric Soil I Histosol Histic Ep Black His	Indicators: (A1) Dipedon (A2)	etion, RM⊧	? Polyvalue Belo	ow Surfac ) ace (S9)	æ (S8) (L (LRR R,	.RR R, MLRA 1	Indicators f 2 cm M ? Coast F 49B) 5 cm M	f <b>or Problematic Hydric Soils<sup>3</sup>:</b> uck (A10) ( <b>LRR K, L, MLRA 149B</b> ) Prairie Redox (A16) ( <b>LRR K, L, R</b> )
Hydric Soil I Histosol Histic Ep Black His Hydroge	Indicators: (A1) bipedon (A2) stic (A3)	etion, RM₌	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S	ow Surfac ) ace (S9) Sands (S	e (S8) (L (LRR R, 11) (LRR	.RR R, MLRA 1 t K, L)	Indicators f 2 cm M ? Coast F (49B) 5 cm M Polyvali	for Problematic Hydric Soils <sup>3</sup> : uck (A10) (LRR K, L, MLRA 149B) Prairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R)
Hydric Soil I Histosol Histic Ep Black His Hydroge Stratified	Indicators: (A1) pipedon (A2) stic (A3) n Sulfide (A4)		Polyvalue Belc MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky	ow Surfac ) ace (S9) Sands (S Mineral (	ce (S8) (L (LRR R, 11) (LRR F1) (LRF	.RR R, MLRA 1 t K, L)	Indicators f 2 cm M ? Coast F (49B) 5 cm M Polyvalu Thin Da	for Problematic Hydric Soils <sup>3</sup> : 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)
Hydric Soil I Histosol Histic Ep Black His Hydroge Stratified X Depleted	Indicators: (A1) pipedon (A2) stic (A3) n Sulfide (A4) I Layers (A5)		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S	w Surfac ) ace (S9) Sands (S Mineral ( Matrix (I	ce (S8) (L (LRR R, 11) (LRR F1) (LRF	.RR R, MLRA 1 t K, L)	Indicators f 2 cm M ? Coast F 49B) 5 cm M Polyvalu Thin Da ? Iron-Ma	for Problematic Hydric Soils <sup>3</sup> : 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) anganese Masses (F12) (LRR K, L, R)
Hydric Soil I Histosol Histic Ep Black His Hydroge Stratified X Depleted Thick Da	Indicators: (A1) bipedon (A2) stic (A3) n Sulfide (A4) I Layers (A5) d Below Dark Surface		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed	ow Surfac ) ace (S9) Sands (S Mineral ( Matrix (I x (F3)	ce (S8) (L (LRR R, 11) (LRR F1) (LRF F2)	.RR R, MLRA 1 t K, L)	Indicators f 2 cm M ? Coast F 5 cm M Polyvalu Thin Da ? Iron-Ma Piedmo	for Problematic Hydric Soils <sup>3</sup> : 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)
Hydric Soil I Histosol Histic Ep Black His Hydroge Stratified X Depleted Thick Da Sandy M	Indicators: (A1) bipedon (A2) stic (A3) n Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12)		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri	ow Surfac ) ace (S9) Sands (S Mineral ( Matrix (I x (F3) urface (F	ce (S8) (L (LRR R, 11) (LRR F1) (LRR F2) 6)	.RR R, MLRA 1 t K, L)	Indicators f 2 cm M ? Coast F 5 cm M Polyvalu Thin Da ? Iron-Ma Piedmo Mesic S	for Problematic Hydric Soils <sup>3</sup> : 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
Hydric Soil I Histosol Histic Ep Black His Hydroge Stratified X Depleted Thick Da Sandy M Sandy G	Indicators: (A1) pipedon (A2) stic (A3) n Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) lucky Mineral (S1) ileyed Matrix (S4)		<ul> <li>Polyvalue Belo</li> <li>MLRA 149B</li> <li>Thin Dark Surf</li> <li>High Chroma S</li> <li>Loamy Mucky</li> <li>Loamy Gleyed</li> <li>Depleted Matri</li> <li>X Redox Dark Si</li> </ul>	w Surfac ) ace (S9) Sands (S Mineral ( Matrix (I Matrix (I x (F3) urface (F Surface	e (S8) (L (LRR R, 11) (LRR F1) (LRR F2) 6) (F7)	.RR R, MLRA 1 t K, L)	Indicators f 2 cm M ? Coast F 5 cm M Polyvalu Thin Da ? Iron-Ma Piedmo Mesic S Red Pa	for Problematic Hydric Soils <sup>3</sup> : 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) anganese Masses (F12) (LRR K, L, R) ont Floodplain Soils (F19) (MLRA 149B) spodic (TA6) (MLRA 144A, 145, 149B) rent Material (F21)
Hydric Soil I Histosol Histic Ep Black His Hydroge Stratified X Depleted Thick Da Sandy M Sandy G Sandy R	Indicators: (A1) pipedon (A2) stic (A3) n Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) lucky Mineral (S1)		<ul> <li>Polyvalue Belo</li> <li>MLRA 149B</li> <li>Thin Dark Surf</li> <li>High Chroma S</li> <li>Loamy Mucky</li> <li>Loamy Gleyed</li> <li>Depleted Matri</li> <li>X Redox Dark So</li> <li>Depleted Dark</li> </ul>	w Surfac ) ace (S9) Sands (S Mineral ( Matrix (I Matrix (I x (F3) urface (F Surface sions (F{	e (S8) (L (LRR R, 11) (LRR F1) (LRR F2) 6) (F7)	.RR R, MLRA 1 t K, L)	Indicators f 2 cm M ? Coast F S cm M Polyvalu Thin Da ? Iron-Ma Piedmo Mesic S Red Pa Very Sh	for Problematic Hydric Soils <sup>3</sup> : 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) anganese Masses (F12) (LRR K, L, R) ont Floodplain Soils (F19) (MLRA 149B) Spodic (TA6) (MLRA 144A, 145, 149B)
Hydric Soil I Histosol Histic Ep Black His Hydroge Stratified X Depleted Thick Da Sandy M Sandy G Sandy R Stripped	Indicators: (A1) bipedon (A2) stic (A3) n Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) lucky Mineral (S1) ileyed Matrix (S4) edox (S5)		<ul> <li>Polyvalue Belo</li> <li>MLRA 149B</li> <li>Thin Dark Surf</li> <li>High Chroma S</li> <li>Loamy Mucky</li> <li>Loamy Gleyed</li> <li>Depleted Matri</li> <li>X Redox Dark Si</li> <li>Depleted Dark</li> <li>Redox Depres</li> </ul>	w Surfac ) ace (S9) Sands (S Mineral ( Matrix (I Matrix (I x (F3) urface (F Surface sions (F{	e (S8) (L (LRR R, 11) (LRR F1) (LRR F2) 6) (F7)	.RR R, MLRA 1 t K, L)	Indicators f 2 cm M ? Coast F S cm M Polyvalu Thin Da ? Iron-Ma Piedmo Mesic S Red Pa Very Sh	for Problematic Hydric Soils <sup>3</sup> : 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) anganese Masses (F12) (LRR K, L, R) unt Floodplain Soils (F19) (MLRA 149B) spodic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) nallow Dark Surface (F22)
Hydric Soil I Histosol Histic Ep Black His Hydroge Stratified X Depleted Thick Da Sandy M Sandy G Sandy R Stripped Dark Sur	Indicators: (A1) pipedon (A2) stic (A3) In Sulfide (A4) Layers (A5) Below Dark Surface ark Surface (A12) lucky Mineral (S1) ileyed Matrix (S4) edox (S5) Matrix (S6) rface (S7)	e (A11)	<ul> <li>Polyvalue Belc</li> <li>MLRA 149B</li> <li>Thin Dark Surf</li> <li>High Chroma S</li> <li>Loamy Mucky</li> <li>Loamy Gleyed</li> <li>Depleted Matri</li> <li>X Redox Dark So</li> <li>Depleted Dark</li> <li>Redox Depres</li> <li>Marl (F10) (LR</li> </ul>	w Surfac ) ace (S9) Sands (S Mineral ( Matrix (I x (F3) urface (F Surface sions (F{ <b>R K, L</b> )	ce (S8) (L (LRR R, 11) (LRF F1) (LRF F2) 6) (F7) 3)	RR R, MLRA 1 ₹ K, L) ₹ K, L)	Indicators f 2 cm M ? Coast F 5 cm M Polyvalu Thin Da ? Iron-Ma Piedmo Mesic S Red Pa Very Sh Other (F	for Problematic Hydric Soils <sup>3</sup> : 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) anganese Masses (F12) (LRR K, L, R) unt Floodplain Soils (F19) (MLRA 149B) spodic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) nallow Dark Surface (F22)
Hydric Soil I Histosol Histic Ep Black His Hydroge Stratified X Depleted Thick Da Sandy M Sandy G Sandy R Sandy R Stripped Dark Sur	Indicators: (A1) bipedon (A2) stic (A3) n Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) fucky Mineral (S1) bleyed Matrix (S4) edox (S5) Matrix (S6)	e (A11)	<ul> <li>Polyvalue Belc</li> <li>MLRA 149B</li> <li>Thin Dark Surf</li> <li>High Chroma S</li> <li>Loamy Mucky</li> <li>Loamy Gleyed</li> <li>Depleted Matri</li> <li>X Redox Dark So</li> <li>Depleted Dark</li> <li>Redox Depres</li> <li>Marl (F10) (LR</li> </ul>	w Surfac ) ace (S9) Sands (S Mineral ( Matrix (I x (F3) urface (F Surface sions (F{ <b>R K, L</b> )	ce (S8) (L (LRR R, 11) (LRF F1) (LRF F2) 6) (F7) 3)	RR R, MLRA 1 ₹ K, L) ₹ K, L)	Indicators f 2 cm M ? Coast F 5 cm M Polyvalu Thin Da ? Iron-Ma Piedmo Mesic S Red Pa Very Sh Other (F	for Problematic Hydric Soils <sup>3</sup> : 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) anganese Masses (F12) (LRR K, L, R) unt Floodplain Soils (F19) (MLRA 149B) spodic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) nallow Dark Surface (F22)
Hydric Soil I Histosol Histic Ep Black His Hydroge Stratified X Depleted Thick Da Sandy M Sandy G Sandy R Sandy R Stripped Dark Sur	Indicators: (A1) bipedon (A2) stic (A3) n Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) lucky Mineral (S1) ileyed Matrix (S4) edox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati	e (A11)	<ul> <li>Polyvalue Belc</li> <li>MLRA 149B</li> <li>Thin Dark Surf</li> <li>High Chroma S</li> <li>Loamy Mucky</li> <li>Loamy Gleyed</li> <li>Depleted Matri</li> <li>X Redox Dark So</li> <li>Depleted Dark</li> <li>Redox Depres</li> <li>Marl (F10) (LR</li> </ul>	w Surfac ) ace (S9) Sands (S Mineral ( Matrix (I x (F3) urface (F Surface sions (F{ <b>R K, L</b> )	ce (S8) (L (LRR R, 11) (LRF F1) (LRF F2) 6) (F7) 3)	RR R, MLRA 1 ₹ K, L) ₹ K, L)	Indicators f 2 cm M ? Coast F 5 cm M Polyvalu Thin Da ? Iron-Ma Piedmo Mesic S Red Pa Very Sh Other (F	for Problematic Hydric Soils <sup>3</sup> : 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) anganese Masses (F12) (LRR K, L, R) unt Floodplain Soils (F19) (MLRA 149E Spodic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) nallow Dark Surface (F22)

Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE\_DOCUMENTS/nrcs142p2\_051293.docx) Roadside fill/rock.



Project/Site: CHPE	City/County: Dresde	en/Washington	Sampling Date: 10	)/18/21
Applicant/Owner: TDI		State: NY	Sampling Point:	CZZ-2 Upl
Investigator(s): N. Frazer, J. Greaves, C. Scrivner	Section, To	ownship, Range:		
Landform (hillside, terrace, etc.): flat	Local relief (concave, conv	ex, none): none	Slope %	6: 0
Subregion (LRR or MLRA): LRR R Lat: 43-37-31	.22N Long:	73-26-42.15N	Datum:	
Soil Map Unit Name: Vergennes silty clay loam		NWI classificatio	n: <u>N/A</u>	
Are climatic / hydrologic conditions on the site typical for this time of	of year? Yes x	No (If no	, explain in Remarks.)	
Are Vegetation, Soil, or Hydrologysignificant	tly disturbed? Are "Nor	mal Circumstances" pre	esent? Yes <u>x</u> N	lo
Are Vegetation, Soil, or Hydrologynaturally	problematic? (If neede	ed, explain any answers	in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing	ng sampling point loca	tions, transects, i	mportant feature	s, 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?	YesX	No	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedure Mowed roadside.	es here or in a s	eparate report.)	

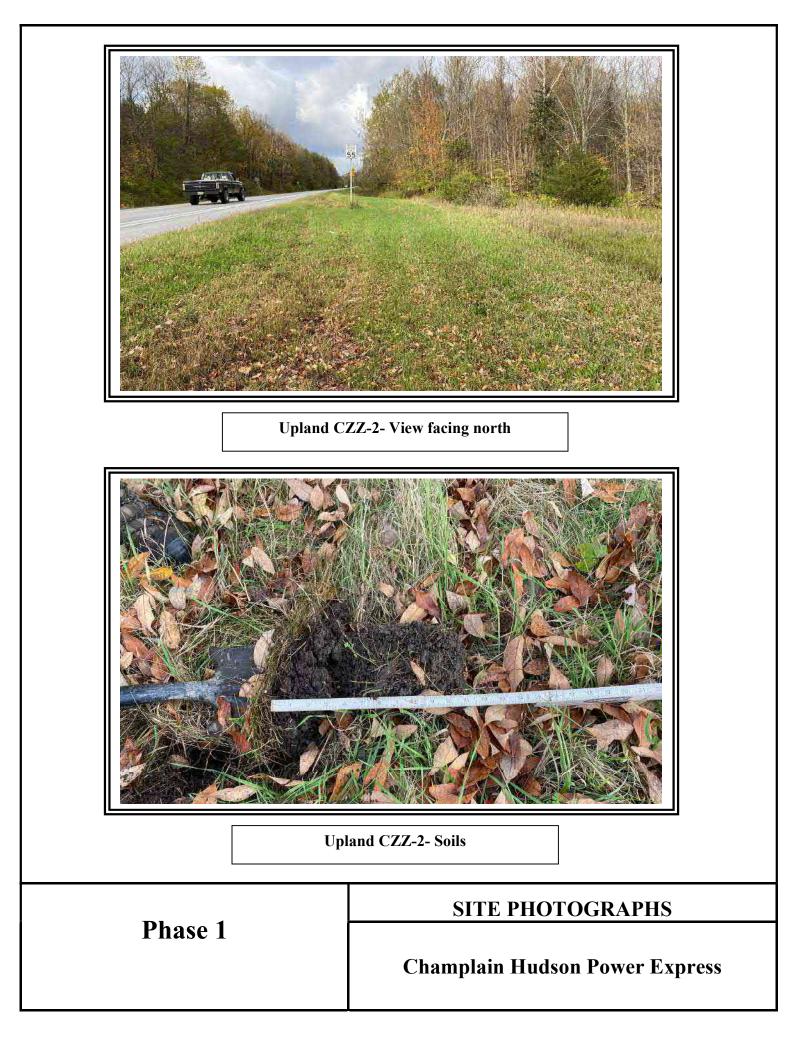
#### HYDROLOGY

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is requi	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	oots (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)	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 (I	38)		FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes	No x Depth (inches):			
Water Table Present? Yes	No x Depth (inches):			
Saturation Present? Yes	No x Depth (inches):	Wetlan	d Hydrology Present? Yes No X	
(includes capillary fringe)			, , , , , , , , , , , , , , , , , , , ,	
(includes capillary fringe)				
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(includes capillary fringe) Describe Recorded Data (stream gauge, mo				
(includes capillary fringe) Describe Recorded Data (stream gauge, mo				

Sampling Point: CZZ-2 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: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 0 x 2 = 0
2				FAC species x 3 =
3				FACU species 107 x 4 = 428
4.				UPL species 5 x 5 = 25
5.				Column Totals: 112 (A) 453 (B)
6.				Prevalence Index = $B/A = 4.04$
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	97	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Taraxacum officinale	2	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Daucus carota	2	No	UPL	data in Remarks or on a separate sheet)
4. Pastinaca sativa	2	No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Lotus corniculatus	5	No	FACU	
6. Plantago lanceolata	1	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Coronilla varia	1	No	UPL	Definitions of Vegetation Strata:
8				<b>Tree</b> – 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
	110	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1. Vitis aestivalis	2	No	FACU	height.
2				the describents
3				Hydrophytic Vegetation
4				Present? Yes No X
	2	=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			1

Profile Desci	ription: (Describe	to the de	pth needed to doc	ument tl	ne indica	tor or co	onfirm the absence of	indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-11	10YR 2/1	90	10YR 5/3	10	C	M	Loamy/Clayey	Distinct redox concentrations
								with gravel
<sup>1</sup> Type: C=Co	ncentration, D=Depl	etion, R	//=Reduced Matrix, N	//S=Masl	ked Sand	l Grains.	<sup>2</sup> Location: PL	_=Pore Lining, M=Matrix.
Hydric Soil In								r Problematic Hydric Soils <sup>3</sup> :
Histosol (			Polyvalue Belo		ce (S8) (I	LRR R,		ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epi	pedon (A2)		MLRA 149B	'				airie Redox (A16) ( <b>LRR K, L, R</b> )
Black His	tic (A3)		Thin Dark Surf	face (S9)	) (LRR R	, MLRA 1	149B)5 cm Muc	cky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydroger	n Sulfide (A4)		High Chroma	Sands (S	611) ( <b>LRF</b>	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LRI</b>	R K, L)	Thin Dark	s Surface (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mang	ganese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Dar	rk Surface (A12)		Depleted Matri	ix (F3)			Piedmont	t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
	ucky Mineral (S1)		X Redox Dark S		6)			odic (TA6) (MLRA 144A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark	•	,			ent Material (F21)
Sandy Re			Redox Depres					llow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		5)			(plain in Remarks)
Dark Surf				ux n, ∟)				
Bank Bank								
		ion and v	vetland hydrology m	ust be pr	esent, ur	nless dist	urbed or problematic.	
	ayer (if observed):							
Type:	roc						Hydric Soil Present	
Depth (in		11					Hydric Soli Presen	t? Yes X No
Remarks:	- in un de al fue a Na		Loud North cost Dov				0.0 to include the NDC	C Field Indiantons of Lludvin Colla
			usda.gov/Internet/F					S Field Indicators of Hydric Soils,
Roadside fill/r		ww.mcs	.usua.gov/internet/1			0/11/03/14	2p2_001290.000x)	



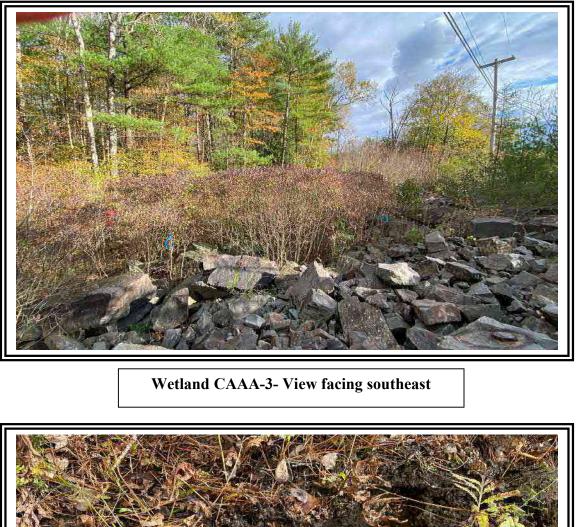
Project/Site: CHDE	City/County: Drocdon/Washington Sampling Date: 10/18/21
Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/18/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CAAA-3
Investigator(s): N. Frazer, J. Greaves, C. Scrivner	Section, Township, Range:
Landform (hillside, terrace, etc.): hillslope Local	relief (concave, convex, none): <u>Concave</u> Slope %: <u>2</u>
Subregion (LRR or MLRA): LRR R Lat: 43-36-29.49N	Long: 73-25-56.61W Datum: WGS 84
Soil Map Unit Name: HLC - Hollis-Charlton association, moderately steep	and steep NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation <u>x</u> , Soil <u>x</u> , or Hydrology <u>x</u> significantly distur	rbed? Are "Normal Circumstances" present? Yes No x
Are Vegetation , Soil , or Hydrology naturally problema	
SUMMART OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag CAAA-3
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)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (	
Sediment Deposits (B2) X Oxidized Rhizospheres	
Drift Deposits (B3)Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No x Depth (inches)	
Water Table Present? Yes X No Depth (inches)	
Saturation Present? Yes X No Depth (inches)	: 0 Wetland Hydrology Present? Yes X No X
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	aviaus inspections), if available:
Describe Necolueu Data (stream gauge, monitoring weil, aenal photos, pre	wous inspections), il available.

Remarks:

Sampling Point: WET CAAA-3

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				Total Number of Dominant Species Across All Strata: <u>4</u> (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         2         x 1 =         2
1. Cornus racemosa	80	Yes	FAC	FACW species 8 x 2 = 16
2. Lonicera morrowii	3	No	FACU	FAC species 93 x 3 = 279
3. Fagus grandifolia	2	No	FACU	FACU species 6 x 4 = 24
4. Hamamelis virginiana	1	No	FACU	UPL species 0 x 5 = 0
5.				Column Totals: 109 (A) 321 (B)
6.				Prevalence Index = B/A = 2.94
7.				Hydrophytic Vegetation Indicators:
	86	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Equisetum arvense	8	Yes	FAC	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Onoclea sensibilis	8	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Cornus racemosa	5	Yes	FAC	data in Remarks or on a separate sheet)
4. Carex lurida	2	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.		·		
	23	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				
1				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ				
rip rap slope				

Profile Desc	ription: (Describe t	o the de	oth needed to docu	ment th	e indica	tor or co	onfirm the absence of i	indicators.)		
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-3	10YR 3/1	82	10YR 4/3	10	С	М	Mucky Loam/Clay	Distinct redox concentrations		
			7.5YR 4/6	2	С	PL		Prominent redox concentrations		
3-6	10YR 4/1	75	10YR 5/6	25	С	М	Mucky Loam/Clay	Prominent redox concentrations		
6-15	10YR 5/1	60	10YR 5/6	35	С	Μ	Mucky Loam/Clay	Prominent redox concentrations		
			10YR 2/1	5	С	М		Distinct redox concentrations		
·										
	oncentration, D=Deple	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		L=Pore Lining, M=Matrix.		
Hydric Soil I	ndicators:						Indicators for	or Problematic Hydric Soils <sup>3</sup> :		
Histosol	(A1)		? Polyvalue Belo	w Surfac	ce (S8) ( <b>I</b>	_RR R,	2 cm Mu	ck (A10) ( <b>LRR K, L, MLRA 149B</b> )		
Histic Ep	ipedon (A2)		MLRA 149B	)			? Coast Pr	airie Redox (A16) (LRR K, L, R)		
Black His	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1	149B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)		
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	511) ( <b>LRF</b>	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		Loamy Mucky I	Mineral (	(F1) ( <b>LRF</b>	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)		
	Below Dark Surface	(A11)	Loamy Gleyed			, ,	? Iron-Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12)	(,,,,,,,	X Depleted Matrix		_)		Piedmont Floodplain Soils (F12) (MLRA 149B)			
				. ,	· • •			, , , ,		
	ucky Mineral (S1)		Redox Dark Su	•	,		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)			
Sandy R	edox (S5)		? Redox Depress	sions (F	3)		Very Shallow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)		
Dark Sur	face (S7)									
<sup>3</sup> Indicators of	hydrophytic vegetati	on and w	etland hydrology mus	st be pre	esent, unl	ess distu	irbed or problematic.			
	ayer (if observed):									
Type:										
Deptn (Ir Remarks:	nches):						Hydric Soil Presen	nt? Yes <u>X</u> No		
Remarks.										





Wetland CAAA-3- Soils

Phase 1

# SITE PHOTOGRAPHS

**Champlain Hudson Power Express** 

Project/Site: CHPE	City/County: Dresden/ Washington Sampling Date: 10/18/21
Applicant/Owner: TDI	State: NY Sampling Point: CAAA-3 Upl
Investigator(s): N. Frazer, J. Greaves, C. Scrivner	Section, Township, Range:
Landform (hillside, terrace, etc.): hillslope Local re	elief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-36-29.49N	Long: <u>73-25-56.61W</u> Datum:
Soil Map Unit Name: Hollis-Charlton association	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	ed? Are "Normal Circumstances" present? Yes No x
Are Vegetation, Soil, or Hydrologynaturally problemat	tic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing same	oling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes Yes	NoX NoX	Is the Sampled Area within a Wetland? Yes No X
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu Rip rap slope with no soils and minima		separate report.)	

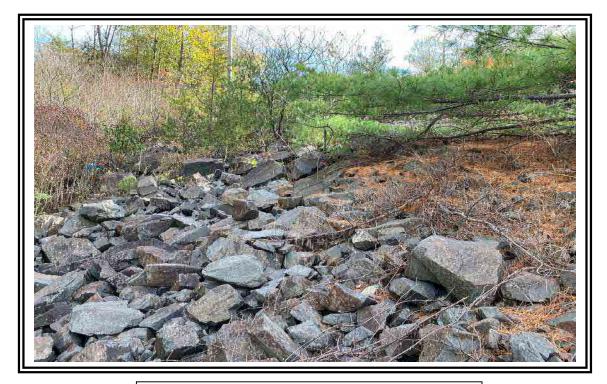
# HYDROLOGY

Wetland Hydrology Indicato	ors:				Secondary Indicators (min	nimum of two required)	
Primary Indicators (minimum	of one is require	ed; check all	that apply)		Surface Soil Cracks (I	B6)	
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B10)		
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16)		
Saturation (A3)		Marl Deposits (B15)			Dry-Season Water Ta	able (C2)	
Water Marks (B1)		Hydrog	jen Sulfide Odor (C1)		Crayfish Burrows (C8)	)	
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living Re	oots (C3)	Saturation Visible on A	Aerial Imagery (C9)	
Drift Deposits (B3)		Preser	nce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)	
Algal Mat or Crust (B4)		Recent	t Iron Reduction in Tilled Soil	ls (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)					? Shallow Aquitard (D3)	)	
Inundation Visible on Aer	ial Imagery (B7)				Microtopographic Reli	ief (D4)	
Sparsely Vegetated Cond	cave Surface (B	8)			FAC-Neutral Test (D5	5)	
Field Observations:				1			
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)					, <u>.</u>	· · · · · · · · · · · · · · · · · · ·	
Describe Recorded Data (stre	eam daude, mor	nitoring well.	aerial photos, previous inspe	ections), if	available:		
	5 5 ,	<b>J</b> ,		,,			
Remarks:							

Sampling Point: CAAA-3 Upl

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
·			FACU	
1. Pinus strobus	8	Yes	FACU	Number of Dominant Species
2				That Are OBL, FACW, or FAC:(A)
3.				Total Number of Dominant
4				Species Across All Strata:(B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
	8	=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 = 9
3				FACU species 8 x 4 = 32
4				UPL species x 5 =
5				Column Totals: 12 (A) 42 (B)
6				Prevalence Index = B/A =3.50
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Solanum dulcamara	3	No	FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Lythrum salicaria	1	No	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3.				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
7 8				_
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
9 10.				diameter at breast neight (DDT), regardless of height.
				<b>Sapling/shrub</b> – 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
	4	=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>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			
Rip rap slope.				

Profile Desc	cription: (Describe	to the de	pth needed to doc	ument t	he indica	tor or co	onfirm the absence	of indica	tors.)		
Depth	Matrix		Redo	x Featur	res						
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Rema	rks	
<sup>1</sup> Type: C=Co	oncentration, D=Dep	letion, RM	Reduced Matrix, N	//S=Mas	ked Sand	I Grains.	<sup>2</sup> Location:	PL=Pore	Lining, M=Ma	atrix.	
Hydric Soil	Indicators:						Indicators	s for Prob	lematic Hydr	ic Soils <sup>3</sup>	:
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	LRR R,	2 cm	Muck (A10	) (LRR K, L,	MLRA 14	<b>19B</b> )
	pipedon (A2)		MLRA 149B		. , .		Coast	Prairie Re	edox (A16) (L	RR K, L,	R)
	stic (A3)		Thin Dark Surf	,	) (LRR R	MLRA 1			at or Peat (S3		-
	n Sulfide (A4)		High Chroma S				Polyvalue Below Surface (S8) (LRR K, L)				
	d Layers (A5)		Loamy Mucky				Thin Dark Surface (S9) (LRR K, L)				
	d Below Dark Surface	e (A11)	Loamy Gleyed			. ,	Iron-Manganese Masses (F12) (LRR K, L, R)				
	ark Surface (A12)	( )	Depleted Matri		,			-	plain Soils (F <sup>.</sup>		
	lucky Mineral (S1)		Redox Dark Su		-6)				A6) ( <b>MLRA 1</b>		
	Gleyed Matrix (S4)		Depleted Dark	``	,				erial (F21)	,	. ,
	Redox (S5)		Redox Depres						ark Surface (F	22)	
	Matrix (S6)		Marl (F10) (LR		- /				n Remarks)	,	
	rface (S7)			, _,				(	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
<sup>3</sup> Indicators o	f hydrophytic vegetat	ion and w	etland hydrology mi	ust be pi	resent. ur	nless disti	urbed or problemati	с.			
	Laver (if observed):		,	- 12	.,						
Type:	rip ra	ар									
•••••••••••••••••••••••••••••••••••••••		0					Undria Cail Dra		Vaa	No	V
Depth (ii	inches).	0					Hydric Soil Pres	sentr	Yes	No	<u> </u>
Remarks:											
	m is revised from No							IRCS Field	Indicators of	Hydric S	oils,
Rip rap slope	2015 Errata. (http://v	ww.nrcs.	usda.gov/internet/F	SE_DOU	JUMENT	S/nrcs142	2p2_051293.docx)				
	5, 110 30113.										



Upland CAAA-3- View facing south

# Phase 1

# SITE PHOTOGRAPHS

Champlain Hudson Power Express

Project/Site: CHPE	City	/County: Dresden/ Washington	Sampling Date: 10/18/21
Applicant/Owner: TDI		State: NY	Sampling Point: WET CAAA-17
Investigator(s): N. Frazer, J. Greaves, C. Scriv	ner	Section, Township, Range:	
Landform (hillside, terrace, etc.): hillslope	Local relief	(concave, convex, none): Concave	Slope %: 2
Subregion (LRR or MLRA): LRR R	Lat: 43-36-27.20N	Long: 73-25-55.56W	Datum: WGS 84
Soil Map Unit Name: HLC - Hollis-Charlton as	sociation, moderately steep and st	teep NWI classification:	PEM1
Are climatic / hydrologic conditions on the site ty	pical for this time of year?	Yes <u>x</u> No (If no, e	explain in Remarks.)
Are Vegetation <u>x</u> , Soil <u>x</u> , or Hydrold	gy <u>x</u> significantly disturbed?	Are "Normal Circumstances" prese	ent? Yes No x
Are Vegetation, Soil, or Hydrold	gynaturally problematic?	(If needed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach s	ite map showing samplin	ig point locations, transects, in	nportant features, etc.
Hydrophytic Vegetation Present?	Yes X No 0 Is	the Sampled Area	
Hydric Soil Present?	res X No 0 wi	ithin a Wetland? Yes <u>X</u>	No
Wetland Hydrology Present?	Yes X No X If	yes, optional Wetland Site ID: Near Fla	ig CAAA-17
Remarks: (Explain alternative procedures herr Palustrine Emergent Marsh - Cattail Marsh. Ec		gent Marsh. From flag CAAA-15 to end c	onsists of this community.
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (r	minimum of two required)
Primary Indicators (minimum of one is required	; check all that apply)	Surface Soil Cracks	s (B6)
X Surface Water (A1)	X Water-Stained Leaves (B9)	Drainage Patterns	(B10)

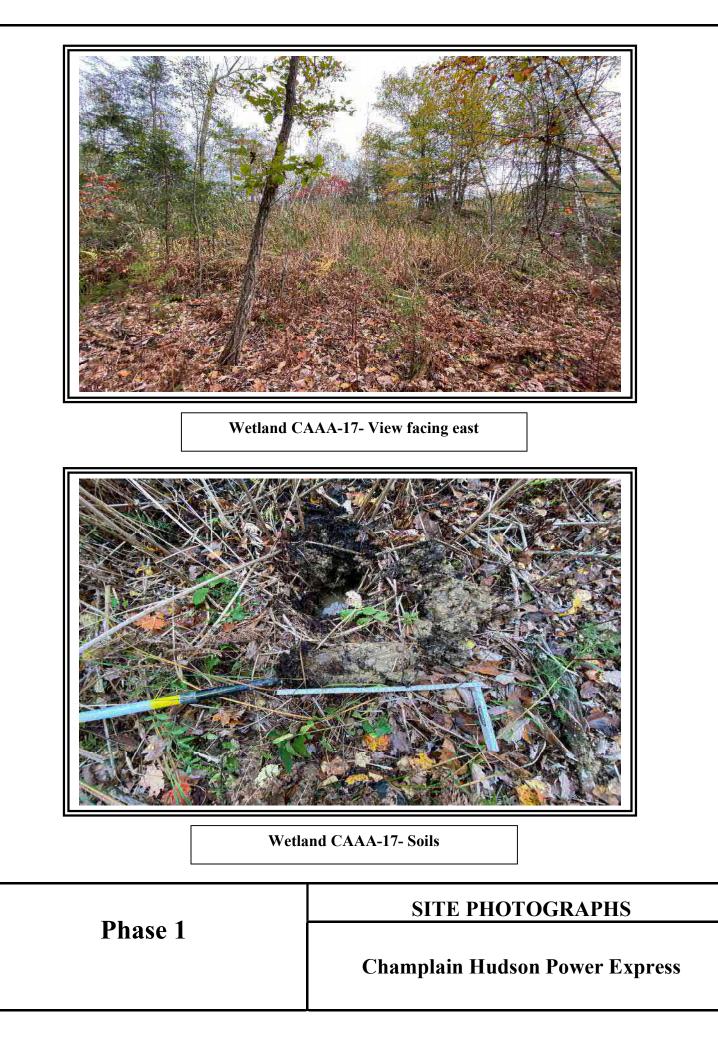
X Surface Water (A1)	Drainage Patterns (B10)				
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)			
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)			
Sediment Deposits (B2)	X Oxidized Rhizospheres on Living 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) X Geomorphic Position (D2)			
Iron Deposits (B5)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)	X Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8	3)	X FAC-Neutral Test (D5)			
Field Observations:					
Surface Water Present? Yes X	No Depth (inches):1				
Water Table Present? Yes X	No Depth (inches): 8				
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present?         Yes X         No X			
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspec	ctions), if available:			
Remarks:					

Sampling Point: WET CAAA-17

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Quercus prinus	5	Yes	FACW	Number of Dominant Species		
2. Ulmus americana	5	Yes	FACW	Number of Dominant Species           That Are OBL, FACW, or FAC:         4         (A)		
3. Cornus racemosa	2	No	FAC	Total Number of Dominant		
4. Fraxinus americana	2	No	FACU	Species Across All Strata: 7 (B)		
5. Populus grandidentata	1	No	FACU	Demonst of Deminent Creation		
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 57.1% (A/I		
7.				Prevalence Index worksheet:		
	15	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15')				OBL species 40 x 1 = 40		
1. Juniperus virginiana	5	Yes	FACU	FACW species 48 x 2 = 96		
2. Lonicera morrowii	5	Yes	FACU	FAC species 14 x 3 = 42		
3. Betula nigra	1	No	FACW	FACU species 25 x 4 = 100		
4.				UPL species 0 x 5 = 0		
5.				Column Totals: 127 (A) 278 (I		
6.				Prevalence Index = B/A = 2.19		
7.				Hydrophytic Vegetation Indicators:		
	11	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%		
1. Typha angustifolia	40	Yes	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Onoclea sensibilis	25	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide support		
3. Thelypteris palustris	10	No	FACW	data in Remarks or on a separate sheet)		
4. Solidago rugosa	5	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
				Problematic Hydrophytic Vegetation" (Explain)		
	5	No	FACU			
5. Symphyotrichum ericoides	<u>5</u> 5	No No	FACU FAC			
<ol> <li>Symphyotrichum ericoides</li> <li>Euthamia graminifolia</li> </ol>				<sup>1</sup> Indicators of hydric soil and wetland hydrology must		
<ol> <li>Symphyotrichum ericoides</li> <li>Euthamia graminifolia</li> <li>Quercus prinus</li> </ol>	5	No	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic. Definitions of Vegetation Strata:		
<ol> <li>Symphyotrichum ericoides</li> <li>Euthamia graminifolia</li> <li>Quercus prinus</li> <li>Acer rubrum</li> </ol>	5	No No	FAC FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic. Definitions of Vegetation Strata:		
<ol> <li>Symphyotrichum ericoides</li> <li>Euthamia graminifolia</li> <li>Quercus prinus</li> <li>Acer rubrum</li> <li>Pteridium aquilinum</li> </ol>	5 2 2	No No No	FAC FACW FAC	<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.</li> <li>Definitions of Vegetation Strata:</li> <li>Tree – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.</li> </ul>		
<ul> <li>5. Symphyotrichum ericoides</li> <li>6. Euthamia graminifolia</li> <li>7. Quercus prinus</li> <li>8. Acer rubrum</li> <li>9. Pteridium aquilinum</li> <li>10.</li> </ul>	5 2 2	No No No	FAC FACW FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic. <b>Definitions of Vegetation Strata:</b> <b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diame		
<ol> <li>Symphyotrichum ericoides</li> <li>Euthamia graminifolia</li> <li>Quercus prinus</li> <li>Acer rubrum</li> <li>Pteridium aquilinum</li> <li>11.</li> </ol>	5 2 2	No No No	FAC FACW FAC	<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.</li> <li>Definitions of Vegetation Strata:</li> <li>Tree – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.</li> <li>Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.</li> </ul>		
<ul> <li>5. Symphyotrichum ericoides</li> <li>6. Euthamia graminifolia</li> <li>7. Quercus prinus</li> <li>8. Acer rubrum</li> <li>9. Pteridium aquilinum</li> <li>10.</li> <li>11.</li> </ul>	5 2 2 2 2	No No No	FAC FACW FAC	<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.</li> <li>Definitions of Vegetation Strata:</li> <li>Tree – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.</li> <li>Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.</li> </ul>		
<ul> <li>5. Symphyotrichum ericoides</li> <li>6. Euthamia graminifolia</li> <li>7. Quercus prinus</li> <li>8. Acer rubrum</li> <li>9. Pteridium aquilinum</li> <li>10.</li> <li>11.</li> <li>12.</li> </ul>	5 2 2 2 2	No No No	FAC FACW FAC	<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.</li> <li><b>Definitions of Vegetation Strata:</b></li> <li><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.</li> <li><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.</li> <li><b>Herb</b> – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.</li> </ul>		
Symphyotrichum ericoides           6.         Euthamia graminifolia           7.         Quercus prinus           8.         Acer rubrum           9.         Pteridium aquilinum           10.	5 2 2 2 2	No No No	FAC FACW FAC	<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.</li> <li><b>Definitions of Vegetation Strata:</b></li> <li><b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.</li> <li><b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.</li> <li><b>Herb</b> – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.</li> </ul>		
5.       Symphyotrichum ericoides         6.       Euthamia graminifolia         7.       Quercus prinus         8.       Acer rubrum         9.       Pteridium aquilinum         10.	5 2 2 2 2 96	No No No =Total Cover	FAC FACW FAC FACU	<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.</li> <li>Definitions of Vegetation Strata:</li> <li>Tree – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.</li> <li>Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.</li> <li>Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.</li> <li>Woody vines – All woody vines greater than 3.28 ft tall.</li> </ul>		
Symphyotrichum ericoides           6.         Euthamia graminifolia           7.         Quercus prinus           8.         Acer rubrum           9.         Pteridium aquilinum           10.	5 2 2 2 2 96	No No No =Total Cover	FAC FACW FAC FACU	<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.</li> <li>Definitions of Vegetation Strata:</li> <li>Tree – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.</li> <li>Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.</li> <li>Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.</li> <li>Woody vines – All woody vines greater than 3.28 ft in height.</li> </ul>		
Symphyotrichum ericoides           6.         Euthamia graminifolia           7.         Quercus prinus           8.         Acer rubrum           9.         Pteridium aquilinum           10.	5 2 2 2 2 96	No No No =Total Cover	FAC FACW FAC FACU	<ul> <li><sup>1</sup>Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.</li> <li>Definitions of Vegetation Strata:</li> <li>Tree – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.</li> <li>Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.</li> <li>Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.</li> <li>Woody vines – All woody vines greater than 3.28 ft in height.</li> </ul>		

### SOIL

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument th	e indica	tor or co	nfirm the absence of	indicators.)		
Depth	Matrix			Redox Features						
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-2	10YR 2/1	100					Loamy/Clayey			
2-5	10YR 3/1	55	10YR 5/3	10	С	М	Mucky Loam/Clay	Distinct redox concentrations		
			7.5YR 5/6	20	С	М		Prominent redox concentrations		
			5YR 4/6	15	С	PL		Prominent redox concentrations		
5-16	2.5Y 5/2	70	10YR 5/6	30	С	M	Sandy	Prominent redox concentrations		
		·					·			
		·					·			
	Dincentration, D=Depl					Grains	<sup>2</sup> Location: Pl	L=Pore Lining, M=Matrix.		
Hydric Soil				IS=IVIASK	eu Sanu	Grains.		or Problematic Hydric Soils <sup>3</sup> :		
Histosol			Polyvalue Belo	ow Surfac	ce (S8) ( <b>I</b>	_RR R,		ick (A10) ( <b>LRR K, L, MLRA 149B</b> )		
Histic Ep	pipedon (A2)	MLRA 1498					rairie Redox (A16) ( <b>LRR K, L, R</b> )			
Black Histic (A3) Thin Dark Surface (S9) (LRR R						, MLRA 1	49B) 5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	n Sulfide (A4)		High Chroma	Sands (S	11) ( <b>LRF</b>	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)		
Stratified	l Layers (A5)		Loamy Mucky	Mineral (	F1) ( <b>LRF</b>	R K, L)	Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R)			
X Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F	-2)					
Thick Da	ark Surface (A12)	<b>、</b> ,	Depleted Matri		,		Piedmont Floodplain Soils (F19) (MLRA 149B)			
	lucky Mineral (S1)		Redox Dark S		6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
	ileyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)			
X Sandy R			? Redox Depres		5)		Very Shallow Dark Surface (F22) Other (Explain in Remarks)			
	Matrix (S6) rface (S7)		Marl (F10) (LR	( <b>r r</b> , l)			Other (Explain in Remarks)			
	f hydrophytic vegetati Layer (if observed):		etiand hydrology mu	st be pre	sent, uni	ess distu	rbed or problematic.			
Туре:										
Depth (ir	nches):						Hydric Soil Presen	nt? Yes <u>X</u> No		
Remarks:										



Project/Site: CHPE	City/County: Dresden/ Washington Sampling Date: 10/18/21
Applicant/Owner: TDI	State: NY Sampling Point: CAAA-17 Upi
Investigator(s): N. Frazer, J. Greaves, C. Scrivner	Section, Township, Range:
Landform (hillside, terrace, etc.): flat Local	relief (concave, convex, none): convex Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-36-27.20N	Long: 73-25-55.56W Datum:
Soil Map Unit Name: Holiis-Charlton association	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	bed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	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 Upland coniferous forest.	ires here or in a s	separate report.)	

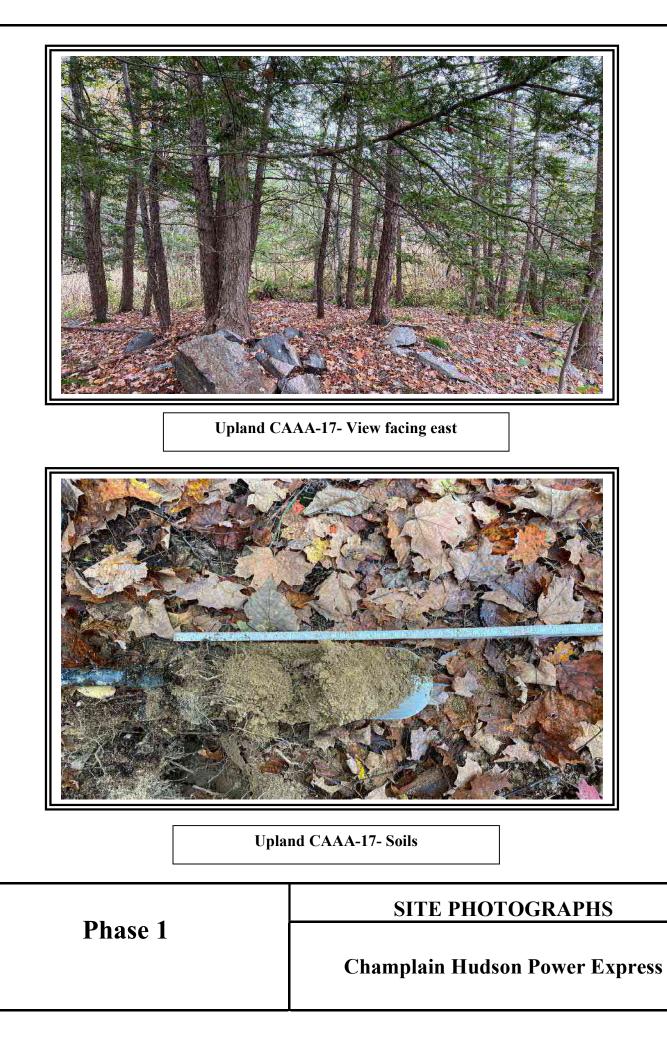
#### HYDROLOGY

	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of o	one is required; check a	ll that apply)		Surface Soil Cracks (B6)		
Surface Water (A1)	Water	-Stained Leaves (B9)		Drainage Patterns (B10)		
High Water Table (A2)	Aquat	ic Fauna (B13)		Moss Trim Lines (B16)		
Saturation (A3)	Marl D	Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydro	gen Sulfide Odor (C1)	Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidiz	ed Rhizospheres on Living Root	s (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Prese	nce of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recer	nt Iron Reduction in Tilled Soils (	C6) .	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin M	/luck Surface (C7)	Shallow Aquitard (D3)			
Inundation Visible on Aerial	Imagery (B7) Other	(Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave	e Surface (B8)			FAC-Neutral Test (D5)		
Field Observations:						
Surface Water Present? Ye	s No x	Depth (inches):				
Water Table Present? Ye	s No x	Depth (inches):				
Saturation Present? Ye	s No x	Depth (inches):	Wetland	d Hydrology Present? Yes No X		
(includes capillary fringe)						
(includes capillary tringe)						
Describe Recorded Data (stream	n gauge, monitoring well	, aerial photos, previous inspecti	ons), if a	vailable:		
Describe Recorded Data (stream	a gauge, monitoring well	, aerial photos, previous inspecti	ons), if a	vailable:		
	a gauge, monitoring well	, aerial photos, previous inspecti	ons), if a	ivailable:		
Describe Recorded Data (stream	n gauge, monitoring well	, aerial photos, previous inspecti	ons), if a	ivailable:		
Describe Recorded Data (stream	a gauge, monitoring well	, aerial photos, previous inspecti	ions), if a	ivailable:		
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Describe Recorded Data (stream	n gauge, monitoring well	, aerial photos, previous inspecti	ions), if a	ivailable:		
Describe Recorded Data (stream	n gauge, monitoring well	, aerial photos, previous inspecti	ions), if a	ivailable:		
Describe Recorded Data (stream	n gauge, monitoring well	, aerial photos, previous inspecti	ions), if a	ivailable:		
Describe Recorded Data (stream	a gauge, monitoring well	, aerial photos, previous inspecti	ions), if a	ivailable:		
Describe Recorded Data (stream	a gauge, monitoring well	, aerial photos, previous inspecti	ions), if a	ivailable:		

Sampling Point: CAAA-17 Upl

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. <u>Tsuga canadensis</u>	95	Yes	FACU	Number of Dominant Species
2				That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant
4				Species Across All Strata: 5 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	95	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 = 0
1. Fagus grandifolia	2	No	FACU	FACW species 0 x 2 = 0
2. Viburnum acerifolium	15	Yes	UPL	FAC species $0 \times 3 = 0$
3. Quercus montana	10	Yes	UPL	FACU species 105 x 4 = 420
4.				UPL species $32 \times 5 = 160$
6.				Prevalence Index = B/A = 4.23
7				Hydrophytic Vegetation Indicators:
	27	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. <u>Pteridium aquilinum</u>	8	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Viburnum acerifolium	2	No	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Quercus montana	5	Yes	UPL	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				_
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	15	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				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 sepa	arate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument ti	he indica	tor or co	onfirm the absence of ind	licators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-16	10YR 5/6	100					Sandy		
	10111 3/0	100					Gandy		
·									
·									
<sup>1</sup> Type: C=Co	oncentration, D=Dep	letion. RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL=P	ore Lining, M=Matrix.	
Hydric Soil I								roblematic Hydric Soils <sup>3</sup> :	
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RR R.		A10) (LRR K, L, MLRA 149B)	
	ipedon (A2)		MLRA 149B					Redox (A16) ( <b>LRR K, L, R</b> )	
Black His			Thin Dark Surf	,		MIRA		Peat or Peat (S3) ( <b>LRR K, L, R</b> )	
	n Sulfide (A4)		High Chroma S		-			elow Surface (S8) (LRR K, L)	
	Layers (A5)		Loamy Mucky					Inface (S9) ( <b>LRR K, L</b> )	
	Below Dark Surface	(A11)	Loamy Gleyed			<b>、 ∩, ∟</b> )		ese Masses (F12) (LRR K, L, R)	
		= (ATT)			[2]				
	rk Surface (A12)		Depleted Matri		<b>(</b> )			odplain Soils (F19) ( <b>MLRA 149B</b> )	
	ucky Mineral (S1)		Redox Dark Su	``	,			c (TA6) ( <b>MLRA 144A, 145, 149B</b> )	
	leyed Matrix (S4)		Depleted Dark					Material (F21)	
	edox (S5)		Redox Depres		8)			/ Dark Surface (F22)	
	Matrix (S6)		Marl (F10) ( <b>LR</b>	( <b>R K, L</b> )			Other (Expla	in in Remarks)	
Dark Sur	face (S7)								
3									
			etland hydrology mu	ust be pi	resent, ur	iless dist	urbed or problematic.		
	ayer (if observed):								
Туре:	non	e							
Depth (ir	iches):						Hydric Soil Present?	Yes <u>No X</u>	
Remarks:									
	m is revised from No	orthcentra	l and Northeast Reg	ional Su	pplement	Version	2.0 to include the NRCS F	ield Indicators of Hydric Soils,	
	2015 Errata. (http://v							•	
1									



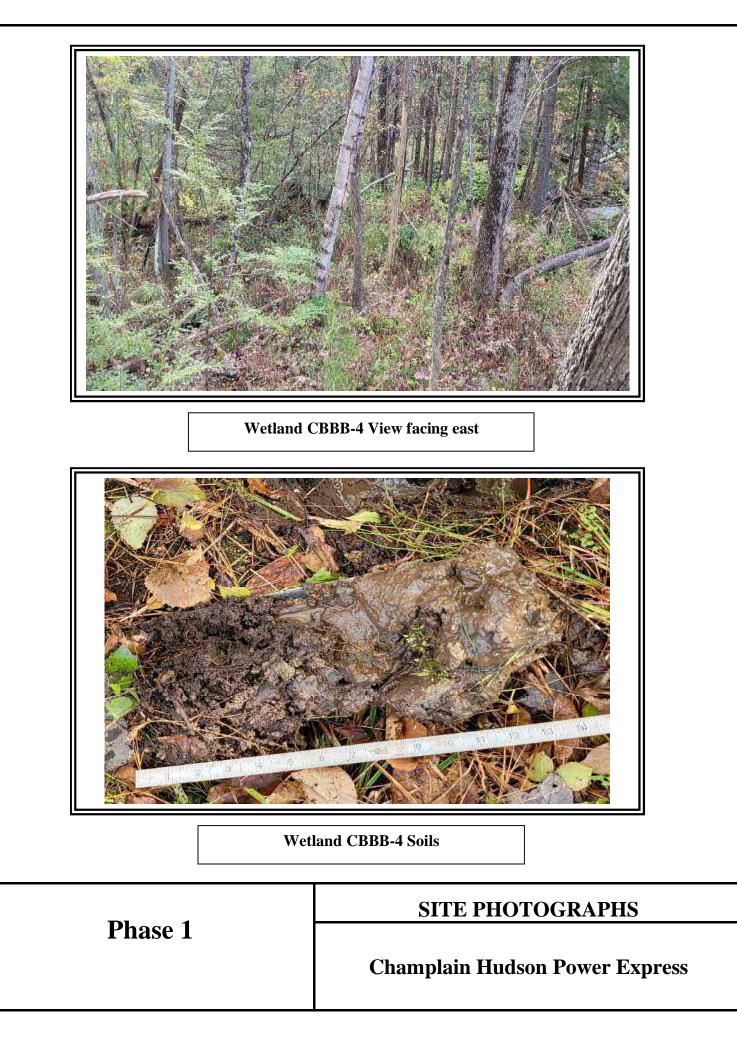
Applicant/Owner: TDI State: NY Sampling Point: WET CBE	1
	BB-4
Investigator(s): J. Greaves, C. Scrivner Section, Township, Range:	
Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Concave Slope %: 2	,
Subregion (LRR or MLRA): LRR R Lat: 43-36-24.55N Long: 73-25-54.15W Datum: WGS 84	
	-
Soil Map Unit Name: <u>HLE - Hollis-Charlton association, moderately steep and steep</u> NWI classification: <u>PFO1</u>	
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? Are "Normal Circumstances" present? Yes X No	—
Are Vegetation, Soil, or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, et	tc.
Hydrophytic Vegetation Present? Yes X No Is the Sampled Area	
Hydric Soil Present? Yes X No within a Wetland? Yes X No	
Wetland Hydrology Present?     Yes     X     No     If yes, optional Wetland Site ID:     Near Flag WET CBBB-4	
Remarks: (Explain alternative procedures here or in a separate report.)	_
Palustrine Forested Wetland. Edinger classification: Red-maple Hardwood Swamp.	
HYDROLOGY	
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)	
Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10)	
X High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)	
X Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)	
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)	
Sediment Deposits (B2) X Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)	
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)	
Drift Deposits (B3)Presence of Reduced Iron (C4)Stunted or Stressed Plants (D1)Algal Mat or Crust (B4)Recent Iron Reduction in Tilled Soils (C6)X Geomorphic Position (D2)Iron Deposits (B5)Thin Muck Surface (C7)Shallow Aquitard (D3)	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       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)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       Y 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)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       Yes       No       X         Field Observations:       Surface Water Present?       Yes       No	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X FAC-Neutral Test (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)         Field Observations:       Surface Water Present?       Yes         Water Table Present?       Yes       No       Depth (inches):         6       Kater Present       Yes       Kater Present	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)         Field Observations:       No       Depth (inches):         Water Table Present?       Yes       X         Yes       X       No         Depth (inches):       0       Wetland Hydrology Present?         Yes       X       No	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X FAC-Neutral Test (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)         Field Observations:       Surface Water Present?       Yes         Water Table Present?       Yes       No       Depth (inches):         6       Kater Present       Yes       Kater Present	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       Ves       No       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):         Gaturation Present?       Yes       X       No       Depth (inches):       6         (includes capillary fringe)       Ves       X       No       Depth (inches):       0	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       Ves       No       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):         Gaturation Present?       Yes       X       No       Depth (inches):       6         (includes capillary fringe)       Ves       X       No       Depth (inches):       0	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       Ves       No       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):         Gaturation Present?       Yes       X       No       Depth (inches):       6         (includes capillary fringe)       Ves       X       No       Depth (inches):       0	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)         Field Observations:       Surface Water Present?       Yes         Surface Water Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):         (includes capillary fringe)       Depth (aerial photos, previous inspections), if available:       Yes       X       No	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)         Field Observations:       Surface Water Present?       Yes         Surface Water Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):         (includes capillary fringe)       Depth (aerial photos, previous inspections), if available:       Yes       X       No	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)         Field Observations:       Surface Water Present?       Yes         Surface Water Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):         (includes capillary fringe)       Depth (aerial photos, previous inspections), if available:       Yes       X       No	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)         Field Observations:       Surface Water Present?       Yes         Surface Water Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):         (includes capillary fringe)       Depth (aerial photos, previous inspections), if available:       Yes       X       No	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)         Field Observations:       Surface Water Present?       Yes         Surface Water Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):         (includes capillary fringe)       Depth (aerial photos, previous inspections), if available:       Yes       X       No	
Drift Deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       X Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)         Field Observations:       Surface Water Present?       Yes         Surface Water Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):         (includes capillary fringe)       Depth (aerial photos, previous inspections), if available:       Yes       X       No	

Sampling Point: WET CBBB-4

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Acer rubrum	10	Yes	FAC				
2. Tsuga canadensis	10	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	9	(A)	
3. Quercus prinus	10	Yes	FACW	Total Number of Dominant		-	
4. Betula papyrifera	5	No	FACU	Species Across All Strata:	14	(B)	
5. Populus tremuloides	5	No	FACU	Deveent of Deminent Creation		-	
6.				Percent of Dominant Species That Are OBL, FACW, or FAC:	64.3%	(A/B	
7.				Prevalence Index worksheet:			
	40	=Total Cover		Total % Cover of:	Multiply by:		
Sapling/Shrub Stratum (Plot size: 15'	)			OBL species 25 x	1 = 25		
1. Tsuga canadensis	10	Yes	FACU	FACW species 63 x	2 = 126		
2. Quercus prinus	8	Yes	FACW	FAC species 30 x	3 = 90		
3. Lonicera morrowii	5	Yes	FACU	FACU species 55 x	4 = 220		
4. Pinus strobus	5	Yes	FACU	UPL species 0 x	x 5 = 0		
5. Hamamelis virginiana	5	Yes	FACU	Column Totals: 173 (A	A) 461	(B	
6. Acer rubrum	5	Yes	FAC	Prevalence Index = B/A =	= 2.66		
7.	_			Hydrophytic Vegetation Indicat	tors:	<u> </u>	
	38	=Total Cover		1 - Rapid Test for Hydrophyt	ic Vegetation		
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%	-		
1. Onoclea sensibilis	20	Yes	FACW	X 3 - Prevalence Index is ≤3.0	1		
2. Epilobium coloratum	15	Yes	OBL	4 - Morphological Adaptation	ns <sup>1</sup> (Provide su	pportin	
3. Solidago gigantea	10	Yes	FACW	data in Remarks or on a s	separate sheet)		
4. Carex lurida	10	Yes	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Equisetum arvense	10	Yes	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology mus			
6. Symphyotrichum novae-angliae	5	No	FACW	present, unless disturbed or prob	, ,,	music	
7. Quercus prinus	5	No	FACW	Definitions of Vegetation Strate	a:		
8. Polystichum acrostichoides	5	No	FACU	Tree – Woody plants 3 in. (7.6 ci	m) or moro in d	liamot	
9. Tsuga canadensis	5	No	FACU	at breast height (DBH), regardles	,	amete	
10. Acer rubrum	5	No	FAC	Sapling/shrub – Woody plants l	oss than 2 in F	עסר	
11. Impatiens capensis	5	No	FACW	and greater than or equal to 3.28			
12.				Herb – All herbaceous (non-woo	du) plante rog	ordloce	
	95	=Total Cover		of size, and woody plants less th	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	arules	
Woody Vine Stratum (Plot size: 30'	)			Woody vines – All woody vines	areater than 3 '	28 ft in	
1				height.	greater than 5.	20 11 11	
2.							
3.				Hydrophytic Vegetation			
4.				Present? Yes X	No		
		=Total Cover					
Remarks: (Include photo numbers here or on a sep		= I otal Cover					

### SOIL

Profile Desc	ription: (Describe	to the de	oth needed to docu	ment th	e indica	tor or co	nfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-7	10YR 2/1	97	10YR 3/6	3	С	PL	Loamy/Clayey	Prominent redox concentrations
7-16	10YR 4/1	65	10YR 5/4	30	С	М	Loamy/Clayey	Distinct redox concentrations
		·	10YR 4/6	5	С	М		Prominent redox concentrations
		·					·	
		·					·	
		·						
		·					·	
		·						
		etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		L=Pore Lining, M=Matrix.
Hydric Soil I			Daharahan Dala	0				or Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1) ipedon (A2)		Polyvalue Belo MLRA 149B		e (58) (I	.RR R,		ck (A10) ( <b>LRR K, L, MLRA 149B</b> ) cairie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surfa	,		MIRA 1		icky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I					k Surface (S9) (LRR K, L)
	Below Dark Surface	Δ11)	Loamy Gleyed			( I <b>(</b> , Ľ)		nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	,(,,,,,)	X Depleted Matrix		2)			t Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		X Redox Dark Su		6)			podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark					ent Material (F21)
	edox (S5)		Redox Depress		. ,			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	,	,			xplain in Remarks)
Dark Sur	face (S7)							
			etland hydrology mus	st be pre	sent, unl	ess distu	rbed or problematic.	
	.ayer (if observed):							
Type:	ah aa).						Undria Sail Draaar	
Depth (ir							Hydric Soil Preser	nt? Yes <u>X</u> No
Remarks:								



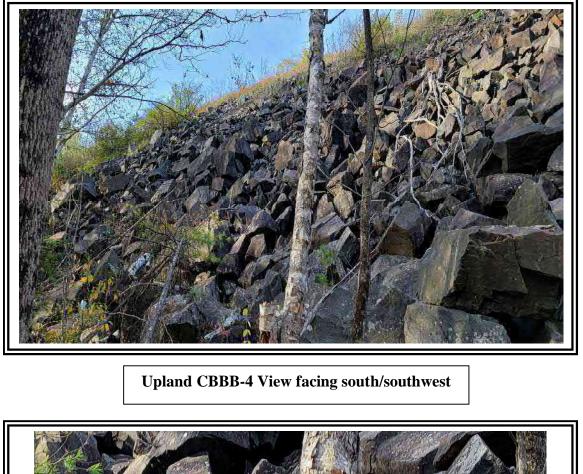
Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/19/21
Applicant/Owner: TDI	State: NY Sampling Point: UPL CBBB-4
Investigator(s): J. Greaves, C. Scrivner	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope Local	relief (concave, convex, none): Concave Slope %: 55
Subregion (LRR or MLRA): LRR R Lat: 43-36-24.42N	Long: 73-25-54.97W Datum: WGS 84
Soil Map Unit Name: HLE - Hollis-Charlton association, moderately steep a	and steep NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problema	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 X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Riprap roadside embankment.	
L HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)Water-Stained Leaves (E	

High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres 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	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): We	etland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, moni	itoring well, aerial photos, previous inspections	s), if available:
Remarks:		

Sampling Point: UPL CBBB-4

	Absolute	Dominant	Indicator		_
Tree Stratum (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:(B)	
5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B	3)
7.		·		Prevalence Index worksheet:	<i>,</i>
		=Total Cover		Total % Cover of: Multiply by:	
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 $x 1 = 0$	
1. Pinus strobus	1	No	FACU	FACW species $0   x 2 = 0$	
2.				FAC species $0 \times 3 = 0$	
3.				FACU species 3 x 4 = 12	
4.				UPL species 0 x 5 = 0	
5.				Column Totals: 3 (A) 12 (B	3)
6.				Prevalence Index = $B/A = 4.00$	,
7				Hydrophytic Vegetation Indicators:	
··		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%	
1. Taraxacum officinale	1	No	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>	
2. Rubus allegheniensis			FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supportir	na
3				data in Remarks or on a separate sheet)	.9
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must b present, unless disturbed or problematic.	be
7.				Definitions of Vegetation Strata:	
8		·		<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	er
10.					
11.				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	
12		Total Cause		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	S
Weady Vine Stratum (Plat size) 201	2	=Total Cover		or size, and woody plants less than 3.28 it tall.	
Woody Vine Stratum         (Plot size:30')           1.				Woody vines – All woody vines greater than 3.28 ft in height.	۱
2				the fear factor	
3				Hydrophytic Vegetation	
4				Present? Yes No X	
		=Total Cover			
Remarks: (Include photo numbers here or on a separ Vegetation was mostly not present due to the signification	,	f riprap.			

Profile Desc	ription: (Describe t	to the de	pth needed to docu	iment th	e indica	tor or co	nfirm the absence of indicat	ors.)	
Depth	Matrix		Redo	x Featu	res				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
	oncentration, D=Depl	etion RM	-Reduced Matrix M	S-Mask	bree be	Grains	<sup>2</sup> Location: PL=Pore	Lining M-Matrix	,
Hydric Soil				0=111231	cu danu	Oranis.	Indicators for Prob		
-			Dobucoluo Polo	w Surfo				-	
Histosol			Polyvalue Belo		ce (30) (L	_КК К,		)) (LRR K, L, ML	
	bipedon (A2)		MLRA 149B	,				edox (A16) ( <b>LRR</b>	
Black Hi	. ,		Thin Dark Surf					at or Peat (S3) (L	
	n Sulfide (A4)		High Chroma S					v Surface (S8) (L	
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LRF</b>	R K, L)	Thin Dark Surfa	ce (S9) ( <b>LRR K</b> ,	L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Manganese	e Masses (F12) (	LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Flood	plain Soils (F19)	(MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spodic (T	A6) (MLRA 144	A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Mat	erial (F21)	
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very Shallow Da	ark Surface (F22)	)
	Matrix (S6)		Marl (F10) ( <b>LR</b>		,		Other (Explain i		
	rface (S7)			. ,				,	
<sup>3</sup> Indicators o	f hydrophytic vegetati	ion and w	otland hydrology mu	ct bo pr	acont unl	occ dictu	rhad ar problomatic		
	Layer (if observed):		eliand hydrology mu	st be pit	sent, un	633 01310			
		ouldoro							
Type:	Riprap / B								
Depth (ii	nches):	0					Hydric Soil Present?	Yes	No <u>X</u>
Remarks:									
	of large pieces of rip	rap.							
	0 1 1								





**Upland CBBB-4 Soils** 

Phase 1

# SITE PHOTOGRAPHS

**Champlain Hudson Power Express** 

Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/19/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CCCC-1
Investigator(s): J. Greaves, C. Scrivner	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope Local r	relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-36-21.69N	Long: 73-25-53.50W Datum: WGS 84
Soil Map Unit Name: HLE - Hollis-Charlton association, moderately steep a	nd steep NWI classification: PEM2
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problemat SUMMARY OF FINDINGS – Attach site map showing sam	
Solimmart OF Findings – Allach sile map showing sam	pling point locations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present?   Yes X   No	If yes, optional Wetland Site ID: Near Flag WET CCCC-1
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Emergent Marsh. Edinger classification: Shallow Emergent Marsh	٦.
L HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)Water-Stained Leaves (B	39) Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	
Sediment Deposits (B2) Oxidized Rhizospheres o	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark Sparsely Vegetated Concave Surface (B8)	(s) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:           Surface Water Present?         Yes         No         X         Depth (inches):	
Surface Water Present?         Yes         No         X         Depth (inches):           Water Table Present?         Yes         X         No         Depth (inches):	
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Remarks:	
Remarks.	

Sampling Point: WET CCCC-1

. Pinus strobus	% Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
	5	Yes	FACU	Number of Dominant Species
2. Quercus rubra	5	Yes	FACU	That Are OBL, FACW, or FAC: (A
3 I.	. <u> </u>			Total Number of Dominant Species Across All Strata: 5 (B
·		·		
).				Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A
·				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15'	)			OBL species 0 x 1 = 0
. Lonicera morrowii	15	Yes	FACU	FACW species 77 x 2 = 154
2. Cornus amomum	10	Yes	FACW	FAC species x 3 =69
3. Tsuga canadensis	5	No	FACU	FACU species <u>35</u> x 4 = <u>140</u>
l				UPL species 0 x 5 = 0
j				Column Totals: 135 (A) 363
)				Prevalence Index = B/A = 2.69
				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
. Onoclea sensibilis	55	Yes	FACW	X_3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Solidago rugosa	10	No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide suppor
3. <u>Equisetum arvense</u>	8	No	FAC	data in Remarks or on a separate sheet)
Euthamia graminifolia	5	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Solidago gigantea	5	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology mus
6. Cornus amomum	5	No	FACW	present, unless disturbed or problematic.
. Lonicera morrowii	5	No	FACU	Definitions of Vegetation Strata:
3. Symphyotrichum novae-angliae	2	No	FACW	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.
0.				
1.				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardle
	95	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 30'	)			Woody vines – All woody vines greater than 3.28 ft
				height.
<u> </u>				
3				Hydrophytic Vegetation
L.				Present? Yes X No
		=Total Cover		

### SOIL

Profile Desc	ription: (Describe t	o the dep	oth needed to docu	ment th	e indica	tor or co	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-5	10YR 2/2	95	10YR 4/3	5	С	М	Loamy/Clayey	Faint redox concentrations
5-16	2.5Y 5/1	60	10YR 5/6	30	С	М	Mucky Loam/Clay	Prominent redox concentrations
			10YR 2/1	5	С	М		Prominent redox concentrations
			10YR 5/4	5	С	М		Prominent redox concentrations
·							·	
							·	
. <u> </u>								
							·	
	oncentration, D=Depl	otion PM	-Roducod Matrix M	S-Mack	od Sand	Graine	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I					eu Sanu	Grains.		or Problematic Hydric Soils <sup>3</sup> :
Histosol			? Polyvalue Belo	w Surfac	ce (S8) ( <b>I</b>	_RR R,		ick (A10) ( <b>LRR K, L, MLRA 149B</b> )
	ipedon (A2)		MLRA 1498		. , .			rairie Redox (A16) ( <b>LRR K, L, R</b> )
Black His	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R,	, MLRA <sup>·</sup>	149B) 5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	11) ( <b>LRF</b>	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky I	Mineral (	F1) ( <b>LRF</b>	R K, L)	Thin Dar	rk Surface (S9) (LRR K, L)
X Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F	-2)		? Iron-Mar	nganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		X Depleted Matrix	x (F3)			Piedmon	nt Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Sp	podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	ent Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (F8	3)		Very Sha	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Sur	face (S7)							
<sup>3</sup> Indicators of	hydrophytic vegetati	on and w	etland hydrology mus	st ha nra	sont unl	oss disti	urbed or problematic	
	.ayer (if observed):		etiand hydrology mus	st be pre	sent, un	633 01310		
Type:								
Depth (ir	nches):						Hydric Soil Preser	nt? Yes <u>X</u> No
Remarks:							1	



Wetland CCCC-1 View facing south/southwest



Wetland CCCC-1 Soils

Phase 1

# SITE PHOTOGRAPHS

**Champlain Hudson Power Express** 

Project/Site: CHPE			City/County: Dresden	/ Washington	Sampling Date: 10/19/21
Applicant/Owner: TDI				State: NY	Sampling Point: UPL CCCC-1
Investigator(s): J. Greaves, C. So	crivner		Section, Tow	nship, Range:	
Landform (hillside, terrace, etc.):	Hillslope	Local re	elief (concave, convex	, none): <u>Convex</u>	Slope %: 3
Subregion (LRR or MLRA): LRR	र R Lat:	43-36-21.98N	Long:	73-25-53.79W	Datum: WGS 84
Soil Map Unit Name: HLE - Hollis	is-Charlton association,	moderately steep an	nd steep	NWI classification:	NA
Are climatic / hydrologic conditions	s on the site typical for t	his time of year?	Yes X	No (If no, ex	xplain in Remarks.)
Are Vegetation, Soil	, or Hydrology	significantly disturbe			nt? Yes X No
Are Vegetation, Soil				, explain any answers in	
SUMMARY OF FINDINGS					
			oning point locat		portant reatures, etc.
Hydrophytic Vegetation Present?	? Yes		Is the Sampled Are	ea	
Hydric Soil Present?	Yes	No X	within a Wetland?	Yes	No X
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetl		
Remarks: (Explain alternative pr	rocedures here or in a se	eparate report.)			
Beech Maple Mesic Forest.					
HYDROLOGY					
Wetland Hydrology Indicators:				Secondary Indicators (m	inimum of two required)
Primary Indicators (minimum of c	one is required; check al	l that apply)		Surface Soil Cracks	(B6)
Surface Water (A1)	Wate	r-Stained Leaves (B9	9)	Drainage Patterns (I	B10)
High Water Table (A2)	Aquat	tic Fauna (B13)		Moss Trim Lines (B1	16)
Saturation (A3)	Marl [	Deposits (B15)		Dry-Season Water T	Table (C2)
Water Marks (B1)	Hvdro	aen Sulfide Odor (C	:1)	Cravfish Burrows (C	8)

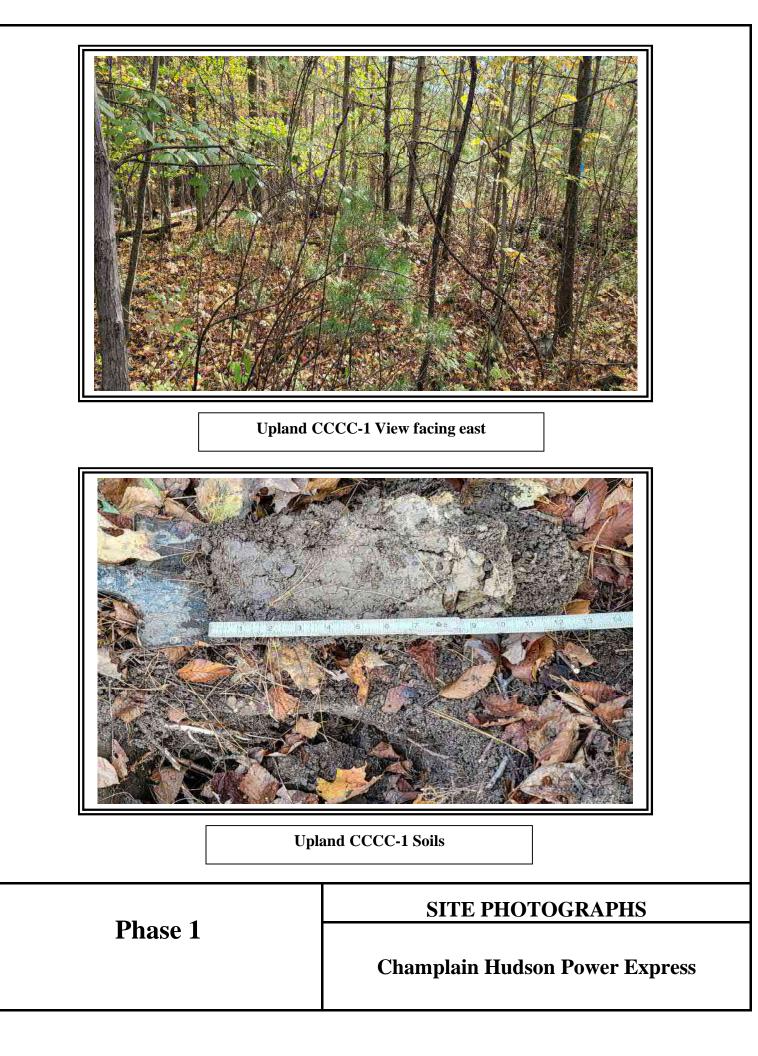
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C	C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction 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): We	etland Hydrology Present? Yes <u>No X</u>
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mon	nitoring well, aerial photos, previous inspections	), if available:
Remarks:		

Sampling Point: UPL CCCC-1

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Fagus grandifolia	50	Yes	FACU	Number of Dominant Species		
2. Ostrya virginiana	10	No	FACU	That Are OBL, FACW, or FAC:	0	(A)
3. Tsuga canadensis	8	No	FACU	Total Number of Dominant		
4. Quercus rubra	8	No	FACU	Species Across All Strata:	9	(B)
5.				Percent of Dominant Species		
6.					0.0%	(A/E
7.				Prevalence Index worksheet:		
	76	=Total Cover		Total % Cover of: Mu	ultiply by:	
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 =	0	-
1. Pinus strobus	8	Yes	FACU	FACW species 0 x 2 =	0	-
2. Tsuga canadensis	8	Yes	FACU	FAC species 0 x 3 =	0	-
3. Fagus grandifolia	5	Yes	FACU	FACU species 192 x 4 =	768	-
4. Quercus rubra	5	Yes	FACU	UPL species 13 x 5 =	65	
5. Hamamelis virginiana	5	Yes	FACU	Column Totals: 205 (A)	833	(E
6. Zanthoxylum americanum	3	No	FACU	Prevalence Index = $B/A =$	4.06	- '
7. Betula lenta	2	No	FACU	Hydrophytic Vegetation Indicators:		_
	36	=Total Cover		1 - Rapid Test for Hydrophytic Veg	petation	
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%		
1. Solidago caesia	35	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Symphyotrichum ericoides	15	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Pr	rovide supp	orti
3. Viburnum acerifolium	8	No	UPL	data in Remarks or on a separa		
4. Quercus rubra	5	No	FACU	Problematic Hydrophytic Vegetation	on <sup>1</sup> (Explain	ר)
5. Pinus strobus	5	No	FACU			
6. Fagus grandifolia	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland h present, unless disturbed or problemat		ust
7. Fraxinus americana	5	No	FACU	Definitions of Vegetation Strata:		
8. Ostrya virginiana	5	No	FACU			
9. Eurybia divaricata	5	No	UPL	Tree – Woody plants 3 in. (7.6 cm) or at breast height (DBH), regardless of h		ime
10					-	
				Sapling/shrub – Woody plants less th and greater than or equal to 3.28 ft (1		зН
12.						
12.	88	=Total Cover		Herb – All herbaceous (non-woody) pl of size, and woody plants less than 3.2		dles
Woody Vine Stratum (Plot size: 30')						
1. Vitis aestivalis	5	Yes	FACU	Woody vines – All woody vines greate height.	er than 3.28	} ft i
		103	TAGO			
2				Hydrophytic		
4.				Vegetation Present? Yes No	×	
···	F	-Total Causa		NO	X	
	5	=Total Cover				

### SOIL

Profile Desc	ription: (Describe t	o the dep	oth needed to docu	ument th	e indica	tor or co	nfirm the absence of	indicators.)	
Depth Matrix			Redox Features						
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-3	10YR 3/2	100					Loamy/Clayey		
3-16	10YR 5/3	75	10YR 2/2	5	С	М	Loamy/Clayey	Distinct redox concentrations	
			10YR 4/4	20	С	М		Faint redox concentrations	
<u> </u>									
							· ·		
				. <u> </u>					
							·		
				. <u> </u>					
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, M	IS=Mask	ed Sand	Grains.	<sup>2</sup> Location: PI	L=Pore Lining, M=Matrix.	
Hydric Soil Indicators: Indicators for Problematic Hydric Soils									
Histosol	(A1)	Polyvalue Below Surface (S8) (LRR R,				2 cm Muck (A10) (LRR K, L, MLRA 149B)			
Histic Ep	ipedon (A2)	MLRA 149B)				Coast Prairie Redox (A16) (LRR K, L, R)			
Black His	stic (A3)	Thin Dark Surface (S9) (LRR R, MLRA 149				<b>49B</b> ) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)		
Hydrogen Sulfide (A4) High Chroma Sands					611) ( <b>LRF</b>	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)	Loamy Mucky	Mineral (	(F1) ( <b>LRF</b>	R K, L)	Thin Dark Surface (S9) (LRR K, L)			
Depleted	Below Dark Surface	Loamy Gleyed Matrix (F2)				Iron-Manganese Masses (F12) (LRR K, L, R)			
Thick Da	rk Surface (A12)	Depleted Matrix (F3)				Piedmont Floodplain Soils (F19) (MLRA 149B)			
Sandy M	ucky Mineral (S1)	Redox Dark Surface (F6)				Mesic Spodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )			
Sandy G	leyed 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 Sur	face (S7)								
<sup>3</sup> Indiantara of				at he are		ana diatu	rhad ar prablamatia		
<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless distu <b>Restrictive Layer (if observed):</b>						rbed of problematic.			
Type:									
Depth (inches):							Hydric Soil Presen	t? Yes No X	
Remarks:									

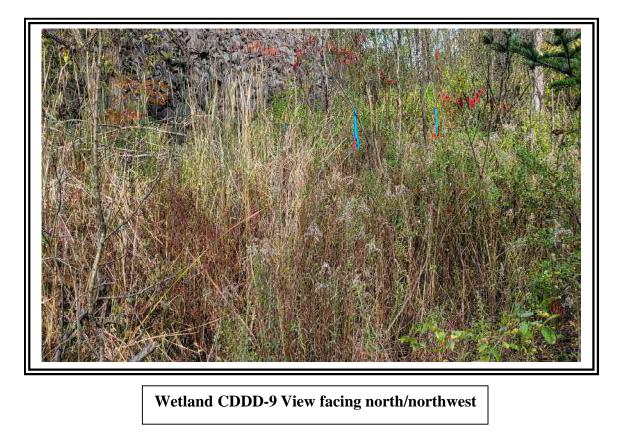


Project/Site: CHPE		City/County: Dresde	n / Washington	Sampling Date: 10/19/21		
Applicant/Owner: TDI		-	State: NY	Sampling Point: WET CDDD-9		
Investigator(s): J. Greaves, C. Scrivner		Section, To	wnship, Range:	• • • • • • • • • • • • • • • • • • •		
Landform (hillside, terrace, etc.): Hillslope	Local r	elief (concave, conve		Slope %: 10		
Subregion (LRR or MLRA): LRR R	Lat: 43-36-17.31N		73-25-52.53W	Datum: WGS 84		
Soil Map Unit Name: HLE - Hollis-Charlton a			NWI classification:			
Are climatic / hydrologic conditions on the site				explain in Remarks.)		
, 0		Yes X				
Are Vegetation, Soil, or Hydro			nal Circumstances" prese			
Are Vegetation, Soil, or Hydro			d, explain any answers in			
SUMMARY OF FINDINGS – Attach	site map showing sam	pling point loca	tions, transects, in	nportant features, etc.		
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea			
Hydric Soil Present?	Yes X No	within a Wetland		No		
Wetland Hydrology Present?	Yes X No	If yes, optional We	etland Site ID: Near Fla	g WET CDDD-9		
Palustrine Emergent Marsh dominated by ca						
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (n	ninimum of two required)		
Primary Indicators (minimum of one is requir			Surface Soil Cracks			
X Surface Water (A1)	Water-Stained Leaves (B	9)	Drainage Patterns (			
High Water Table (A2)	Aquatic Fauna (B13)			Moss Trim Lines (B16) Dry-Season Water Table (C2)		
X Saturation (A3)	Marl Deposits (B15)					
Water Marks (B1) Sediment Deposits (B2)	Hydrogen Sulfide Odor (C Oxidized Rhizospheres or		Crayfish Burrows (C	on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iror		Stunted or Stressed			
Algal Mat or Crust (B4)	Recent Iron Reduction in	( )	X Geomorphic Positio			
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7						
Sparsely Vegetated Concave Surface (E	38)	,	X FAC-Neutral Test (I			
Field Observations:	<u>·</u>					
Surface Water Present? Yes X	No Depth (inches):	0.5				
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes X	No Depth (inches):	0 Wetlan	d Hydrology Present?	Yes X No		
(includes capillary fringe)		<u> </u>				
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, prev	vious inspections), it a	available:			
Remarks: Seepage areas occuring along the toe of slo	pe.					

Sampling Point: WET CDDD-9

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>4</u> (B)				
5.           6.		·		Percent of Dominant Species That Are OBL, FACW, or FAC:				
7				Prevalence Index worksheet:				
		=Total Cover		Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size: 15')				OBL species 72 x 1 = 72				
1. Cornus amomum	10	Yes	FACW	FACW species 20 x 2 = 40				
2. Lonicera morrowii	5	Yes	FACU	FAC species 13 x 3 = 39				
3				FACU species 10 x 4 = 40				
4				UPL species 0 x 5 = 0				
5				Column Totals: 115 (A) 191 (B)				
6				Prevalence Index = B/A = 1.66				
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. Typha angustifolia	49	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$				
2. Lythrum salicaria	20	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting				
3. Impatiens capensis	10	No	FACW	data in Remarks or on a separate sheet)				
4. Equisetum arvense	8	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
5. Solidago rugosa	5	No	FAC					
6. Solidago canadensis	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
7. Epilobium coloratum	3	No	OBL	Definitions of Vegetation Strata:				
8.								
9				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
10 11		·		<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
12		·						
	100	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in				
1				height.				
2				Hydrophytic				
3				Vegetation				
4		. <u> </u>		Present? Yes X No				
		=Total Cover						
Remarks: (Include photo numbers here or on a separ	ate sheet.)							

Profile Desc	ription: (Describe t	to the dep	oth needed to docu	iment th	e indica	tor or co	nfirm the absence of ir	ndicators.)				
Depth	Matrix			x Featur								
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks				
0-3	10YR 2/1	88	10YR 4/4	10	С	М	Loamy/Clayey	Distinct redox concentrations				
			10YR 5/1	2	D	М						
3-16	N 4/	60	10YR 5/4	25	С	М	Mucky Loam/Clay	Prominent redox concentrations				
			10YR 4/6	15	С	М	Prominent redox concentration					
17							2	Description M March				
Hydric Soil	oncentration, D=Depl Indicators:	etion, Rivi	=Reduced Matrix, M	S=IVIASK	ed Sand	Grains.		=Pore Lining, M=Matrix. r Problematic Hydric Soils <sup>3</sup> :				
Histosol			Polyvalue Belo	w Surfac	ce (S8) ( <b>I</b>	.RR R.		k (A10) ( <b>LRR K, L, MLRA 149B</b> )				
	vipedon (A2)		MLRA 149B			,		airie Redox (A16) ( <b>LRR K, L, R</b> )				
Black Hi	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R,	MLRA 1	149B) 5 cm Muc	ky Peat or Peat (S3) ( <b>LRR K, L, R</b> )				
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	11) ( <b>LR</b> F	R 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)									
X Depleted	Below Dark Surface	e (A11)	X Loamy Gleyed				Iron-Manganese Masses (F12) (LRR K, L, R)					
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Floodplain Soils (F19) (MLRA 149B)					
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spo	odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )				
	leyed Matrix (S4)		Depleted Dark	Surface	(F7)			nt Material (F21)				
	edox (S5)		? Redox Depress					llow Dark Surface (F22)				
	Matrix (S6)		Marl (F10) ( <b>LR</b>	•	- /			plain in Remarks)				
	face (S7)			, ,								
<sup>3</sup> Indiantara at	f hydrophytic vegetati		otional budrology mu		a ant uni	ooo diatu						
	-ayer (if observed):	ion and w	eliand hydrology mu	st be pre	sent, uni	ess distu	inded of problematic.					
Type:	,											
Depth (ir	nches):						Hydric Soil Present	t? Yes <u>X</u> No				
Remarks:												





Wetland CDDD-9 Soils

Phase 1

# SITE PHOTOGRAPHS

**Champlain Hudson Power Express** 

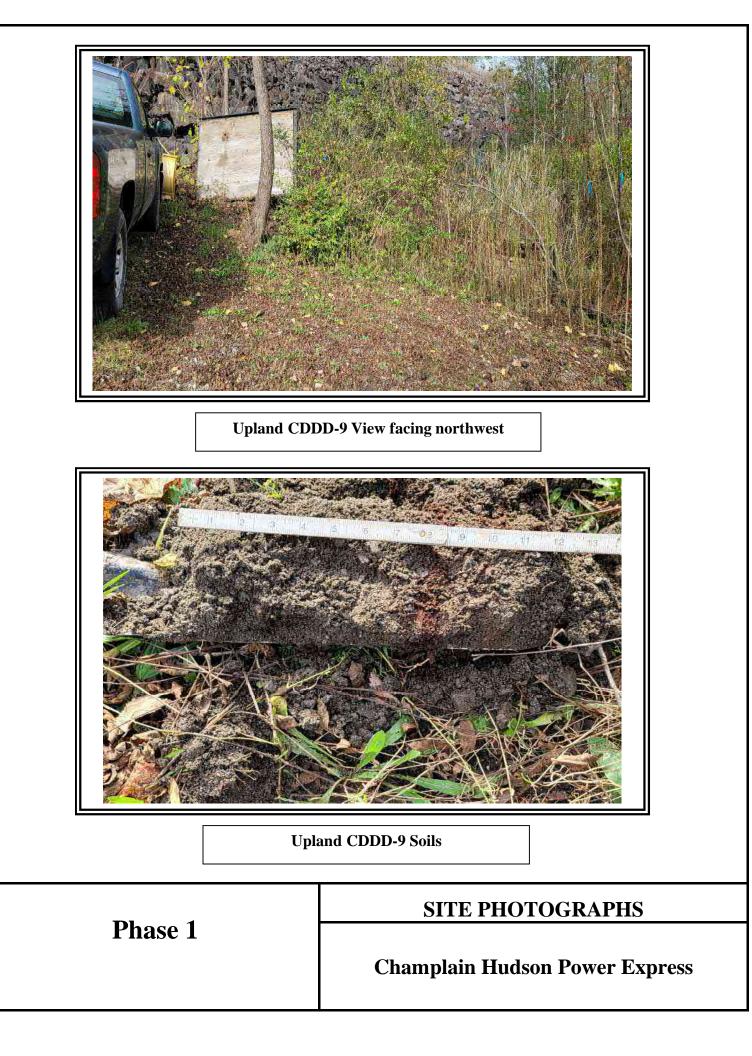
Project/Site: CHPE		City/County: Dresden / Washington	Sampling Date: 10/19/21
Applicant/Owner: TDI		State: NY	Sampling Point: UPL CDDD-9
Investigator(s): J. Greaves, C. Scr	ivner	Section, Township, Range:	
Landform (hillside, terrace, etc.):	Hillslope Local	relief (concave, convex, none): Convex	Slope %: 5
Subregion (LRR or MLRA): LRR	R Lat: 43-36-17.06N	Long: 73-25-52.48W	Datum: WGS 84
Soil Map Unit Name: HLE - Hollis	-Charlton association, moderately steep	and steep NWI classification	: <u>NA</u>
Are climatic / hydrologic conditions	on the site typical for this time of year?	Yes X No (If no,	explain in Remarks.)
Are Vegetation, Soil	, or Hydrology significantly distur	bed? Are "Normal Circumstances" pres	sent? Yes X No
Are Vegetation, Soil	, or Hydrology naturally problema	atic? (If needed, explain any answers i	n Remarks.)
SUMMARY OF FINDINGS -	- Attach site map showing san	npling point locations, transects, i	mportant features, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Area	
Hydric Soil Present?	Yes No X	within a Wetland? Yes	No X
Wetland Hydrology Present?	Yes No_X	If yes, optional Wetland Site ID:	
	cedures here or in a separate report.) essional shrubland and gravel parking are	ea.	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators	(minimum of two required)
Primary Indicators (minimum of on	e is required; check all that apply)	Surface Soil Cracl	ks (B6)
Surface Water (A1)	Water-Stained Leaves (	B9) Drainage Patterns	; (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (	B16)

		Aqualic					
Saturation (A3)		Marl De	eposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8	)	
Sediment Deposits (B2	.)	Oxidize	d Rhizospheres on Livin	g Roots (C3)	Saturation Visible on	Aerial Image	ry (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	Soils (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)		Thin Mu	uck Surface (C7)		Shallow Aquitard (D3	)	
Inundation Visible on A	erial Imagery (B	37) Other (1	Explain in Remarks)		Microtopographic Rel	ief (D4)	
Sparsely Vegetated Co	ncave Surface (	(B8)			FAC-Neutral Test (D5	5)	
Field Observations:							
Surface Water Present?	Yes	No X	Depth (inches):				
Water Table Present?	Yes	No X	No X Depth (inches):				
Saturation Present?	Yes	No X	Depth (inches):	Wetland	Hydrology Present?	Yes	No X
(includes capillary fringe)							
Describe Recorded Data (s	tream gauge, m	onitoring well,	aerial photos, previous ir	nspections), if a	vailable:		
Remarks:							

Sampling Point: UPL CDDD-9

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Juglans nigra	40	Yes	FACU	Number of Dominant Species			
2. Populus tremuloides	5	No	FACU	That Are OBL, FACW, or FAC:(A)			
3		<u> </u>		Total Number of Dominant			
4				Species Across All Strata: 5 (B)			
5				Percent of Dominant Species			
6				That Are OBL, FACW, or FAC: 0.0% (A/			
7				Prevalence Index worksheet:			
	45	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15'	)			OBL species 0 x 1 = 0			
1. Lonicera morrowii	55	Yes	FACU	FACW species <u>5</u> x 2 = <u>10</u>			
2. Rhus typhina	5	No	UPL	FAC species 15 x 3 = 45			
3. Rubus occidentalis	5	No	UPL	FACU species <u>175</u> x 4 = <u>700</u>			
4				UPL species 10 x 5 = 50			
5				Column Totals: 205 (A) 805 (			
ð				Prevalence Index = B/A = 3.93			
7				Hydrophytic Vegetation Indicators:			
	65	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%			
1. Solidago caesia	25	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Taraxacum officinale	25	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supportin			
3. <u>Setaria pumila</u>	10	No	FAC	data in Remarks or on a separate sheet)			
4. Solidago rugosa	5	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Solidago gigantea	5	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must			
6. Solidago canadensis	5	No	FACU	present, unless disturbed or problematic.			
7. Ambrosia artemisiifolia	5	No	FACU	Definitions of Vegetation Strata:			
3. Oxalis stricta	5	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diame			
9. Cichorium intybus	5	No	FACU	at breast height (DBH), regardless of height.			
10		<u> </u>		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, regardle			
	90	=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			
1. Vitis aestivalis	5	Yes	FACU	height.			
2	_						
3.				Hydrophytic Vegetation			
4.				Present? Yes No X			
	5	=Total Cover					

Profile Desc	ription: (Describe t	o the dep	th needed to docu	ment th	e indica	tor or co	nfirm the absence	of indicat	ors.)	
Depth	Matrix		Redo	x Featu	res					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remar	ks
0.10	40VD 2/2	100					Condu	_		
0-16	10YR 3/2	100					Sandy			
				_				_		
								_		
								-		
								_		
								-		
	ncentration, D=Deple	ation DM	Deduced Metrix M	C Maal		Craina	<sup>2</sup> L continue	DI Dara	Lining, M=Mat	
Hydric Soil I				S=IVIASK	eu Sanu	Grains.			lematic Hydri	
-			Debuselus Dela						•	
Histosol			Polyvalue Belo		ce (58) (I	.кк к,			)) (LRR K, L, N	
	ipedon (A2)		MLRA 149B	,					edox (A16) ( <b>LF</b>	
Black His	. ,		Thin Dark Surf					•		(LRR K, L, R)
	n Sulfide (A4)		High Chroma S						/ Surface (S8)	
	Layers (A5)		Loamy Mucky			R K, L)			ce (S9) ( <b>LRR</b>	
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			-		) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri							9) ( <b>MLRA 149B</b> )
	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic	: Spodic (T	A6) ( <b>MLRA 1</b> 4	I4A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)			Parent Mat		
	edox (S5)		Redox Depres		8)				ark Surface (F2	22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other	(Explain ii	n Remarks)	
Dark Sur	face (S7)									
<sup>3</sup> Indicators of	hydrophytic vegetati	on and we	etland hydrology mu	st be pre	esent, unl	ess distu	rbed or problematic.			
Restrictive L	ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Pres	sent?	Yes	No X
Remarks:										

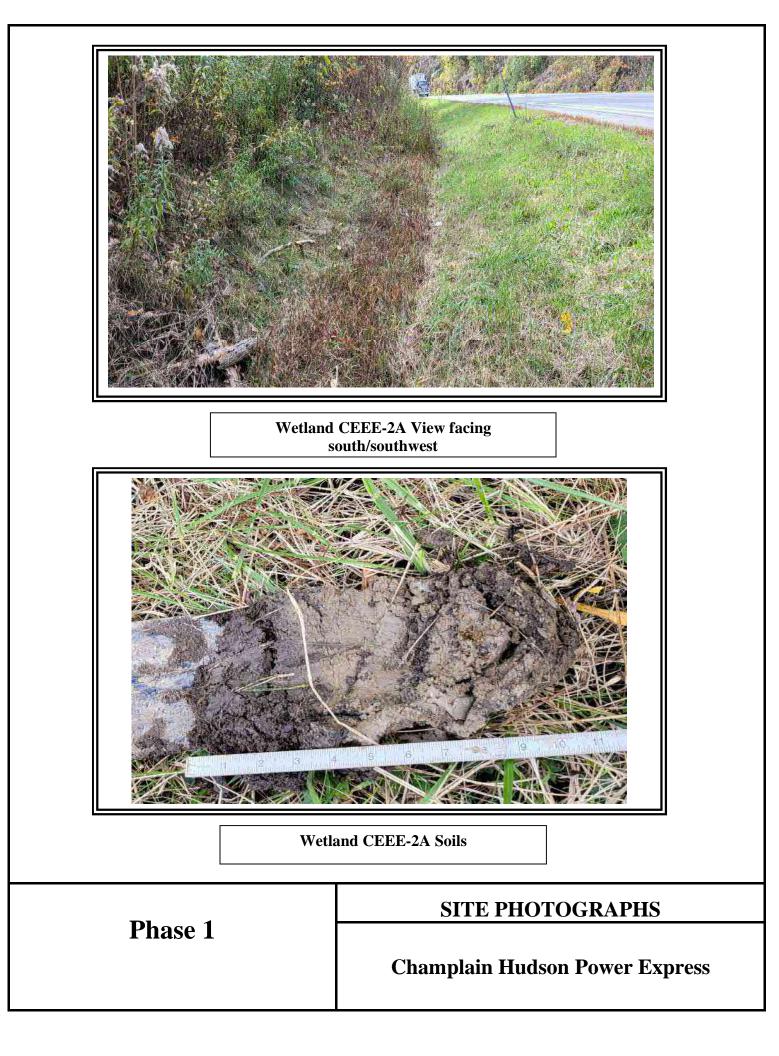


r: Dresden / Washington Sampling Date: 10/19/21					
State: NY Sampling Point: WET CEEE-2A					
ection, Township, Range:					
ve, convex, none): Concave Slope %: 5					
Long: 73-26-2.49W Datum: WGS 84					
NWI classification: PEM1					
Yes X No (If no, explain in Remarks.)					
Are "Normal Circumstances" present? Yes X No					
(If needed, explain any answers in Remarks.)					
nt locations, transects, important features, etc.					
mpled Area					
Wetland? Yes X No					
tional Wetland Site ID: Near Flag WET CEEE-2A					
nger classification: Purple Loosestrife Marsh.					
Secondary Indicators (minimum of two required)					
Surface Soil Cracks (B6)					
9) Drainage Patterns (B10)					
Moss Trim Lines (B16)					
Dry-Season Water Table (C2)					
Crayfish Burrows (C8)					
on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Stunted or Stressed Plants (D1)					
(C6) X Geomorphic Position (D2)					
<u>?</u> Shallow Aquitard (D3)					
Microtopographic Relief (D4)					
X FAC-Neutral Test (D5)					
Wetland Hydrology Present? Yes X No					
tions), if available:					

Sampling Point: WET CEEE-2A

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: 1 (B)
5		·		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 91 x 1 = 91
1				FACW species 1 x 2 = 2
2.				FAC species 3 x 3 = 9
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 95 (A) 102 (B)
6.				Prevalence Index = $B/A = 1.07$
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	90	Yes	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Euthamia graminifolia	2	No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Cornus amomum	1	·	FACW	data in Remarks or on a separate sheet)
4. Typha angustifolia	1	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Solidago rugosa			FAC	
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.		·		Definitions of Vegetation Strata:
8.		·		
9.		·		<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11		·		<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	95	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				
1				Woody vines – All woody vines greater than 3.28 ft in height.
2				Hydrophytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separate	ate sheet.)			

Profile Desc	ription: (Describe t	o the de	pth needed to docu	ment the	e indicat	tor or co	nfirm the absence of in	dicators.)			
Depth	Matrix		Redox Features								
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks			
0-4	10YR 3/1	90	10YR 5/3	10	С	М	Loamy/Clayey	Distinct redox concentrations			
4-12	10YR 5/1	60	10YR 5/4	30	С	М	Mucky Loam/Clay	Distinct redox concentrations			
			10YR 4/6	10	С	М		Prominent redox concentrations			
					·						
	oncentration, D=Deple	etion, RN	I=Reduced Matrix, M	S=Mask	ed Sand	Grains.		Pore Lining, M=Matrix.			
Hydric Soil I Histosol			Polyvalue Belo	w Surfac	o (S8) (I			Problematic Hydric Soils <sup>3</sup> : (A10) (LRR K, L, MLRA 149B)			
	vipedon (A2)		MLRA 149B		,e (00) (L	-IXIX IX,		rie Redox (A16) ( <b>LRR K, L, R</b> )			
Black His			Thin Dark Surf	,	(LRR R.	MLRA 1		xy Peat or Peat (S3) ( <b>LRR K, L, R</b> )			
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)			
	Layers (A5)		Loamy Mucky				·	Surface (S9) (LRR K, L)			
	Below Dark Surface	(A11)	Loamy Gleyed			, _/	Iron-Manganese Masses (F12) (LRR K, L, R)				
	ark Surface (A12)	, (, , , , , , , , , , , , , , , , , ,	X Depleted Matri		_)		Piedmont Floodplain Soils (F12) ( <b>MLRA 149B</b> )				
	lucky Mineral (S1)		X Redox Dark Su	• •	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
	leyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)				
	edox (S5)		? Redox Depress		. ,						
	Matrix (S6)		Marl (F10) (LR		,		Very Shallow Dark Surface (F22) Other (Explain in Remarks)				
	face (S7)			in in, E/				nair in reenancy			
2											
	f hydrophytic vegetati _ayer (if observed):	on and w	etland hydrology mu	st be pre	sent, unl	ess distu	rbed or problematic.				
Туре:	Roc	:k									
Depth (ir	nches):	12					Hydric Soil Present?	Yes <u>X</u> No			
Remarks:											
1											



Project/Site: CHPE		City/County: Dresden / Wash	nington Sar	mpling Date: 10/19	9/21
Applicant/Owner: TDI			State: NY S	Sampling Point: UPL	CEEE-2A
Investigator(s): J. Greaves, C. Scriv	ner	Section, Township, R	Range:		
Landform (hillside, terrace, etc.):	Hillslope Local	relief (concave, convex, none):	: Convex	Slope %:	30
Subregion (LRR or MLRA): LRR R	Lat: 43-35-56.72N	Long: 73-26-2	2.63W	Datum: WGS	3 84
Soil Map Unit Name: HLE - Hollis-0	Charlton association, moderately steep a	Ind steep NW	VI classification: NA		
Are climatic / hydrologic conditions o	n the site typical for this time of year?	Yes X No	o (If no, expla	ain in Remarks.)	
, ,	, or Hydrology significantly disturb		mstances" present?		
	, or Hydrology naturally problema		n any answers in Rei		
			-		-
SUMMARY OF FINDINGS -	Attach site map showing sam	pling point locations, t	transects, Impo	ortant features,	, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Area			
Hydric Soil Present?	Yes No X	within a Wetland?	Yes No	o_X_	
Wetland Hydrology Present?	Yes No X	If yes, optional Wetland Site	e ID:		
Mowed roadside.	edures here or in a separate report.)				
HYDROLOGY					
Wetland Hydrology Indicators:		Second	lary Indicators (minir	num of two required	<u>(</u> t
Primary Indicators (minimum of one	is required; check all that apply)	Sur	rface Soil Cracks (Be	6)	
Surface Water (A1)	Water-Stained Leaves (E	39) Dra	ainage Patterns (B10	))	
High Water Table (A2)	Aquatic Fauna (B13)	Mos	ss Trim Lines (B16)		
Saturation (A3)	Marl Deposits (B15)	Dry	/-Season Water Tab	le (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (	C1) Cra	ayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres of	on Living Roots (C3) Sat	turation Visible on A	erial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Irc	on (C4) Stu	inted or Stressed Pla	ants (D1)	
Algel Met en Orvet (D4)					

	.)		eu Kinzospheres on Living		Saturation visible on Aerial Intagery (C3)			
Drift Deposits (B3)		Preser	nce of Reduced Iron (C4)	_	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	l.	Recen	t Iron Reduction in Tilled S	Soils (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)		Thin M	luck Surface (C7)	-	Shallow Aquitard (D3)	)		
Inundation Visible on A	erial Imagery (B	7) Other	-	Microtopographic Rel	ief (D4)			
Sparsely Vegetated Co	oncave Surface (I	-	FAC-Neutral Test (D5	5)				
Field Observations:								
Surface Water Present?	Yes	No X	Depth (inches):					
Water Table Present?	Yes	No X	Depth (inches):					
Saturation Present?					Hydrology Present?	Yes	No	Х
(includes capillary fringe)				_				
Describe Recorded Data (s	tream gauge, mo	onitoring well,	aerial photos, previous in	spections), if av	ailable:			
Remarks:								

Sampling Point: UPL CEEE-2A

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: <u>2</u> (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 0 x 1 = 0			
1				FACW species 0 x 2 = 0			
2				FAC species 20 x 3 = 60			
3				FACU species x 4 = 280			
4				UPL species 10 x 5 = 50			
5				Column Totals: 100 (A) 390 (	(B)		
6.				Prevalence Index = B/A = 3.90			
7.				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%			
1. Phleum pratense	40	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Setaria pumila	20	Yes	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide support	ting		
3. Taraxacum officinale	15	No	FACU	data in Remarks or on a separate sheet)	Ŭ		
4. Lotus corniculatus	15	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. Vicia cracca	10	No	UPL				
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.	t be		
7				Definitions of Vegetation Strata:			
8 9				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.	eter		
10.				Sapling/shrub – Woody plants less than 3 in. DBH			
11				and greater than or equal to 3.28 ft (1 m) tall.			
12	100	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.	SS		
Woody Vine Stratum (Plot size: 30')							
				<b>Woody vines</b> – All woody vines greater than 3.28 ft height.	in		
1 2.				hoight			
		·		Hydrophytic			
		. <u> </u>		Vegetation           Present?         Yes         No         X			
4		=Total Cover		Present?         Yes         No         X			
Remarks: (Include photo numbers here or on a separ	ate sneet.)						

Profile Desc	ription: (Describe t	o the dep	oth needed to docu	ment th	e indica	tor or co	onfirm the absence of	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 2/1	100					Sandy	
6-13	10YR 4/3	75	10YR 5/6	25	С	М	Mucky Loam/Clay	Distinct redox concentrations
<sup>1</sup> Tvpe: C=Co	ncentration, D=Depl	etion. RM:	Reduced Matrix. M	S=Mask	ed Sand	Grains.	<sup>2</sup> Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I			,					for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfac	ce (S8) ( <b>L</b>	.RR R,	2 cm N	Muck (A10) ( <b>LRR K, L, MLRA 149B</b> )
	ipedon (A2)		MLRA 149B	,				Prairie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surfa				149B) 5 cm N	Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					lue Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky I	Mineral (	F1) ( <b>LRF</b>	R K, L)	Thin D	ark Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F	-2)			anganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matrix	x (F3)			Piedm	ont Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic	Spodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy Gl	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pa	arent Material (F21)
Sandy Re	edox (S5)		Redox Depress	sions (F8	3)		Very S	hallow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other	(Explain in Remarks)
Dark Sur	face (S7)						—	
3								
	hydrophytic vegetati ayer (if observed):	on and we	etland hydrology mus	st be pre	esent, uni	ess distu	rbed or problematic.	
Type:	Roc	ĸ						
-	iches):	13					Hydric Soil Pres	ent? Yes <u>No X</u>
Remarks:	·							
itemarks.								



Upland CEEE-2A View facing south/southwest



**Upland CEEE-2A Soils** 

Phase 1

# SITE PHOTOGRAPHS

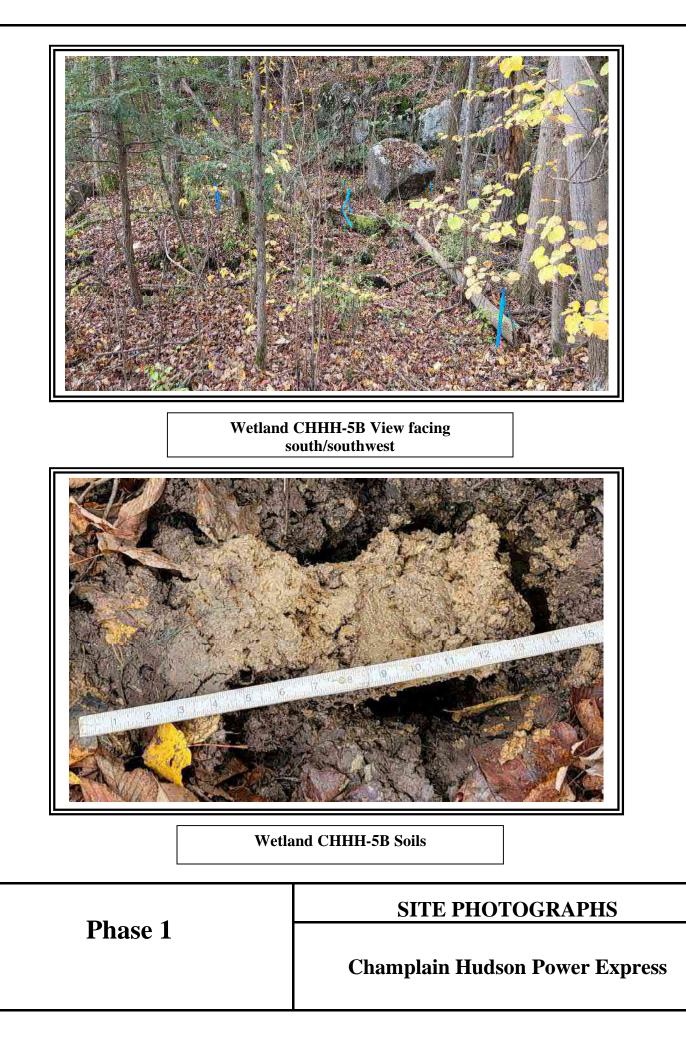
**Champlain Hudson Power Express** 

Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/19/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CHHIH-5B
Investigator(s): J. Greaves, C. Scrivner	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression Local	relief (concave, convex, none): Concave Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 43-35-49.62N	Long: 73-26-2.41W Datum: WGS 84
Soil Map Unit Name: HLE - Hollis-Charlton association, moderately steep a	and steep NWI classification: PFO1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	
Are Vegetation, Soil, or Hydrologynaturally problema	atic? (If needed, explain any answers in Remarks.) npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present?         Yes         X         No	If yes, optional Wetland Site ID: Near Flag WET CHHH-5B
Palustrine Forested Wetland. Edinger classification: Red-maple Hardwood	Swamp.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)Water-Stained Leaves (I	B9) Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (	
Sediment Deposits (B2) X Oxidized Rhizospheres of	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction ir Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes <u>No X</u> Depth (inches):	
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

Sampling Point: WET CHHH-5E

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Ulmus americana	<u>30</u>	Yes	FACW	Dominance rest worksheet.		
2. Acer rubrum	25	Yes	FAC	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:4(A)		
		165	FAC	$\frac{1}{1}$		
3.				Total Number of Dominant Species Across All Strata: 5 (B)		
4				Species Across All Strata: 5 (B)		
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>80.0%</u> (A/B)		
7				Prevalence Index worksheet:		
	55	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 = 0		
1. Ulmus americana	3	Yes	FACW	FACW species 45 x 2 =90		
2. Tsuga canadensis	3	Yes	FACU	FAC species x 3 =75		
3				FACU species3 x 4 =12		
4				UPL species 0 x 5 = 0		
5.				Column Totals: 73 (A) 177 (B)		
6.				Prevalence Index = B/A = 2.42		
7.				Hydrophytic Vegetation Indicators:		
	6	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')		-		X 2 - Dominance Test is >50%		
1. Solidago gigantea	8	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^1$		
2. Ulmus americana		No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting		
3. Thelypteris palustris		No	FACW	data in Remarks or on a separate sheet)		
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5 6				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
7.				Definitions of Vegetation Strata:		
8.						
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
10		<u> </u>		Sapling/shrub – Woody plants less than 3 in. DBH		
11				and greater than or equal to 3.28 ft (1 m) tall.		
12	12	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size: 30')						
				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.		
				Toight.		
2				Hydrophytic		
				Vegetation Present? Yes X No		
4				Present? Yes <u>X</u> No		
		=Total Cover				
Remarks: (Include photo numbers here or on a sepa	rate sheet.)					

Profile Desc	ription: (Describe t	o the de	oth needed to docu	ment th	e indica	tor or co	onfirm the absence of	indicators.)		
Depth Matrix Redox Features										
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-5	10YR 2/1	84	10YR 5/8	10	С	М	Mucky Loam/Clay	Prominent redox concentrations		
			10YR 5/4	5	С	Μ		Distinct redox concentrations		
			10YR 4/4	1	С	PL		Distinct redox concentrations		
5-16	10YR 5/1	60	10YR 5/6	20	С	Μ	Mucky Loam/Clay	Prominent redox concentrations		
			10YR 5/4	10	С	М		Distinct redox concentrations		
			7.5YR 4/6	10	С	PL		Prominent redox concentrations		
·										
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.		
Hydric Soil I	ndicators:							or Problematic Hydric Soils <sup>3</sup> :		
Histosol	(A1)		Polyvalue Belo	w Surfac	ce (S8) ( <b>I</b>	_RR R,	2 cm Mu	uck (A10) ( <b>LRR K, L, MLRA 149B</b> )		
Histic Ep	ipedon (A2)		MLRA 149B)	)			? Coast Pr	rairie Redox (A16) (LRR K, L, R)		
Black His	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1	149B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)		
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	511) (LRF	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)		
	Layers (A5)		Loamy Mucky							
	,	(				<b>、 ι、,  ∟</b> )	Thin Dark Surface (S9) (LRR K, L)			
	Below Dark Surface	e (A11)	Loamy Gleyed		-2)			nganese Masses (F12) (LRR K, L, R)		
Thick Da	rk Surface (A12)		X Depleted Matrix	x (F3)			Piedmor	nt Floodplain Soils (F19) ( <b>MLRA 149B</b> )		
Sandy M	ucky Mineral (S1)		X Redox Dark Su	Irface (F	6)		Mesic S	Mesic Spodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )		
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	ent Material (F21)		
	edox (S5)		? Redox Depress				Verv Sha	allow Dark Surface (F22)		
	Matrix (S6)		Marl (F10) (LR				Other (Explain in Remarks)			
	face (S7)			ιτις, <b>Ε</b> )						
3										
	hydrophytic vegetati ayer (if observed):	on and w	etland hydrology mus	st be pre	esent, unl	ess distu	Irbed or problematic.			
Туре:										
Depth (ir	nches):						Hydric Soil Preser	nt? Yes <u>X</u> No		
Remarks:										



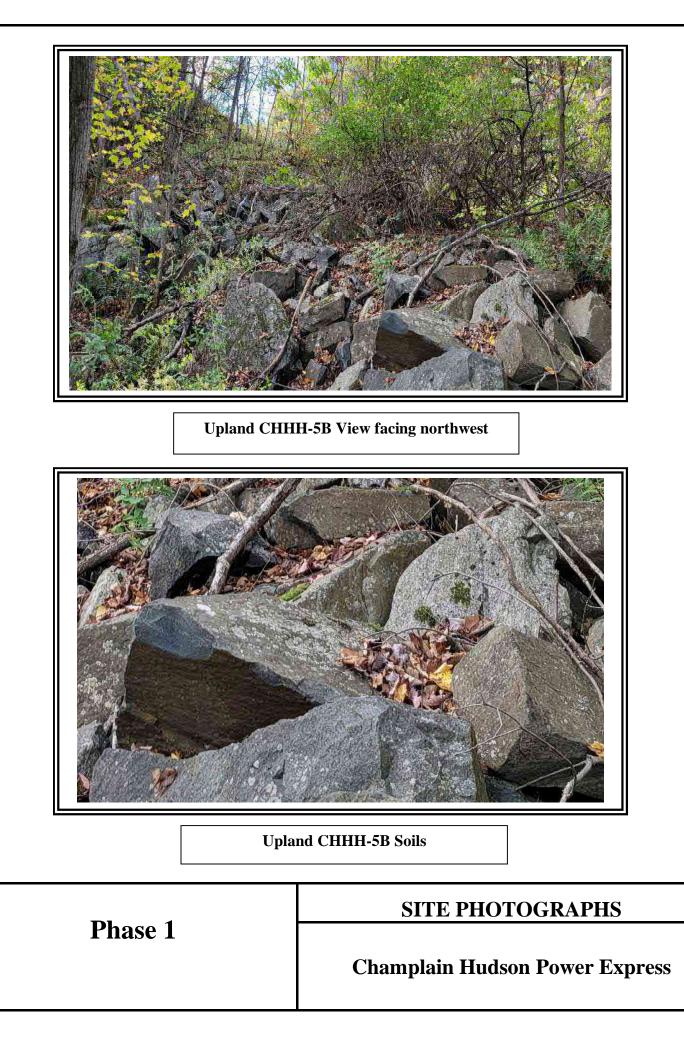
Project/Site: CHPE		City/County: Dresden / Washington	Sampling Date: 10/19/21
Applicant/Owner: TDI		State: NY	Sampling Point: UPL CHHH-5B
Investigator(s): J. Greaves, C. Scrivner		Section, Township, Range:	
Landform (hillside, terrace, etc.): Hills	ope Local r	relief (concave, convex, none): Concave	Slope %: 10
Subregion (LRR or MLRA): LRR R	Lat: 43-35-49.54N	Long: 73-26-2.92W	Datum: WGS 84
Soil Map Unit Name: HLE - Hollis-Char	ton association, moderately steep a	and steep NWI classification:	NA
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 H	lydrology significantly disturb	Ded? Are "Normal Circumstances" pres	ent? Yes X No
Are Vegetation, Soil, or H			n Remarks.)
		pling point locations, transects, ir	mportant features, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Area	
Hydric Soil Present?	Yes No X	within a Wetland? Yes	No_X
Wetland Hydrology Present?	Yes No X	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedur Successional Northern Hardwood Fores	• • • •		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (r	minimum of two required)
Primary Indicators (minimum of one is re	equired; check all that apply)	Surface Soil Crack	.s (B6)
Surface Water (A1)	Water-Stained Leaves (B	· •	· · ·
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (E	316)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	Table (C2)

High Water Table (A2)		Aquatic	quatic Fauna (B13) Moss Trim Lines (B16)				
Saturation (A3)		Marl De	arl Deposits (B15) Dry-Season Water Table (C2)				
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1) Crayfish Burrows (C8)				
Sediment Deposits (B2)		Oxidize	d Rhizospheres on Living	Roots (C3)	Saturation Visible on	Aerial Imager	y (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 S	oils (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)		Thin Mu	uck Surface (C7)		Shallow Aquitard (D3)	)	
Inundation Visible on Ae	rial Imagery (B7	) Other (I	Explain in Remarks)	-	Microtopographic Rel	ief (D4)	
Sparsely Vegetated Con	icave Surface (B	38)		-	FAC-Neutral Test (D5	5)	
Field Observations:							
Surface Water Present?	Yes	No X	Depth (inches):				
Water Table Present?	Yes	No X	Depth (inches):	-			
Saturation Present?	Yes	No X	Depth (inches):	Wetland	Hydrology Present?	Yes	No X
(includes capillary fringe)				-			
Describe Recorded Data (str	eam gauge, mo	nitoring well, a	aerial photos, previous ins	spections), if a	vailable:		
Remarks:							

Sampling Point: UPL CHHH-5B

	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:		
1. Quercus rubra	25	Yes	FACU	Number of Dominant Species		
2. Quercus velutina	25	Yes	UPL	That Are OBL, FACW, or FAC:(A)		
<ol> <li>Ostrya virginiana</li> <li>4.</li> </ol>	10	No	FACU	Total Number of Dominant Species Across All Strata: <u>6</u> (B)		
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)		
7.		·		Prevalence Index worksheet:		
···	60	=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 $		
1. Lonicera morrowii	15	Yes	FACU	FACW species $3 \times 2 = 6$		
			17100	FAC species $3 \times 3 = 9$		
				FACU species $55 \times 4 = 220$		
				UPL species         25 $x5 =$ 125		
				Column Totals: 86 (A) 360 (B)		
		·				
6.		·				
7				Hydrophytic Vegetation Indicators:		
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')	_			2 - Dominance Test is >50%		
1. Lonicera morrowii	-	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. <u>Thelypteris noveboracensis</u>	3	Yes	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supportindata in Remarks or on a separate sheet)		
3. <u>Pilea pumila</u>	3	Yes	FACW			
4		<u> </u>		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5 6		·		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
7.				Definitions of Vegetation Strata:		
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter		
9.				at breast height (DBH), regardless of height.		
10 11		·		<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12.						
	11	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size: 30')		-				
1,				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.		
		·				
		·		Hydrophytic		
		·		Vegetation Present? Yes No X		
4		=Total Cover				
Demorias (Include at sta sumb as the second				I		
Remarks: (Include photo numbers here or on a separ	ate sheet.)					

Depth	Matrix			ox Featur			nfirm the absence of in	·····	
(inches) C	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Rema	rks
						·			
						·	· _		
						·	· _		
<sup>1</sup> Type: C=Concent	tration. D=Depl	etion. RM	I=Reduced Matrix, I	//S=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL	.=Pore Lining, M=Ma	trix.
Hydric Soil Indica			, , , ,					r Problematic Hydri	
Histosol (A1)			Polyvalue Bel	ow Surfa	ce (S8) ( <b>L</b>	.RR R,	2 cm Muc	ck (A10) ( <b>LRR K, L, I</b>	MLRA 149B)
Histic Epipedo	n (A2)		MLRA 149	B)			Coast Pra	airie Redox (A16) ( <b>LF</b>	RR K, L, R)
Black Histic (A	.3)		Thin Dark Su	face (S9)	) (LRR R,	MLRA 14	<b>49B</b> ) 5 cm Muc	cky Peat or Peat (S3)	(LRR K, L, R)
Hydrogen Sulf	ide (A4)		High Chroma	Sands (S	611) ( <b>LR</b> R	K, L)	Polyvalue	e Below Surface (S8)	(LRR K, L)
Stratified Laye	rs (A5)		Loamy Mucky	Mineral	(F1) ( <b>LRF</b>	R K, L)	Thin Dark	s Surface (S9) (LRR	K, L)
Depleted Belo	w Dark Surface	e (A11)	Loamy Gleye	d Matrix (	F2)		Iron-Man	ganese Masses (F12	2) (LRR K, L, R)
Thick Dark Su	rface (A12)		Depleted Mat	rix (F3)			Piedmont	t Floodplain Soils (F1	9) ( <b>MLRA 149B</b> )
Sandy Mucky	Mineral (S1)		Redox Dark S	Surface (F	6)		Mesic Sp	odic (TA6) ( <b>MLRA 1</b> 4	44A, 145, 149B)
Sandy Gleyed	Matrix (S4)		Depleted Dar	k Surface	(F7)		Red Pare	ent Material (F21)	
Sandy Redox	(S5)		Redox Depres	ssions (F	8)			llow Dark Surface (F	22)
Stripped Matrix	< (S6)		Marl (F10) (L	RR K, L)			Other (Ex	plain in Remarks)	
Dark Surface (	S7)								
		on and w	etland hydrology m	ust be pre	esent, unl	ess distur	bed or problematic.		
Restrictive Layer	· /								
Туре:	Riprap / B	oulders							
Depth (inches)	):	0					Hydric Soil Present	t? Yes	<u>No X</u>
Remarks:									
	riprap boulders.	Therefor	re, no soils were co	lected.					



Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/19/21
Applicant/Owner: TDI	State: NY Sampling Point: WET CFFF-3A
Investigator(s): J. Greaves, C. Scrivner	Section, Township, Range:
	relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-35-41.97N	Long: 73-26-3.88W Datum: WGS 84
Soil Map Unit Name: HLE - Hollis-Charlton association, moderately steep a	
·	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problemation	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag WET CFFF-3A
Remarks: (Explain alternative procedures here or in a separate report.)	
Palustrine Emergent Marsh dominated by purple loosestrife Edinger classi	ification: Purple Loosestrife Marsh.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained Leaves (B	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	
Sediment Deposits (B2) Oxidized Rhizospheres o	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	1
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Remarks:	

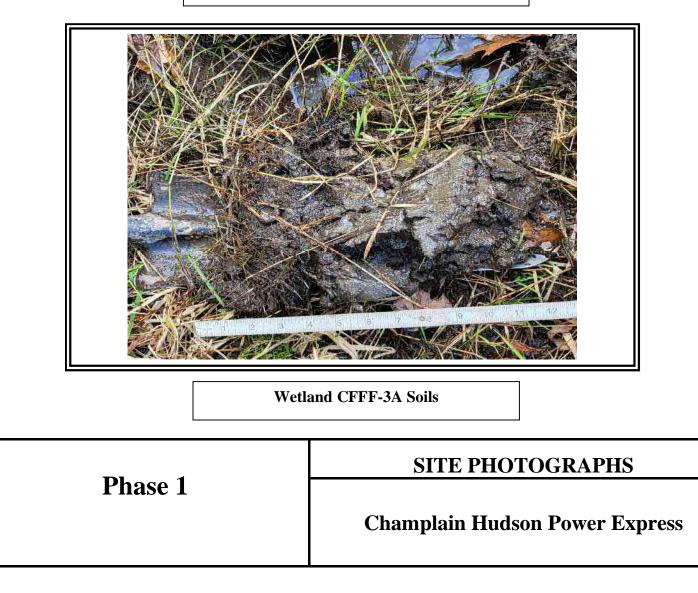
Sampling Point: WET CFFF-3A

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:2(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 <u>63</u> x 1 = <u>63</u>		
1. Lonicera morrowii	3	No	FACU	FACW species 40 x 2 = 80		
2				FAC species <u>5</u> x 3 = <u>15</u>		
3				FACU species <u>3</u> x 4 = <u>12</u>		
4				UPL species 0 x 5 = 0		
5				Column Totals: 111 (A) 170 (B)		
6.				Prevalence Index = B/A = 1.53		
7.				Hydrophytic Vegetation Indicators:		
	3	=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 $\leq 3.0^1$		
2. Onoclea sensibilis	35	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting		
3. Leersia oryzoides	15	No	OBL	data in Remarks or on a separate sheet)		
4. Typha angustifolia	5	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5. Epilobium coloratum	5	No	OBL			
6. Impatiens capensis	5	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
7. Equisetum arvense	5	No	FAC	Definitions of Vegetation Strata:		
8. Carex lurida	3	No	OBL			
9				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
10 11.		·		<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12.						
	108	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in		
1		·		height.		
2				Hydrophytic		
3				Vegetation		
4				Present? Yes X No		
		=Total Cover				
Remarks: (Include photo numbers here or on a separ	ate sheet.)					

Profile Desc	cription: (Describe	to the de	oth needed to docu	iment th	e indica	tor or co	onfirm the absence of indica	ators.)
Depth	Matrix			x Featur		<u> </u>		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4	10YR 2/1	100					Mucky Loam/Clay	
4-13	10YR 3/1	60	10YR 2/1	35	С	М	Mucky Loam/Clay	Faint redox concentrations
			10YR 4/3	5	С	М		Distinct redox concentrations
		- <u></u>						
		·						
		. <u> </u>						
<sup>1</sup> Type: C=Co	oncentration, D=Depl	letion, RM	=Reduced Matrix, M	IS=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Por	e Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for Pro	blematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo		ce (S8) ( <b>I</b>	_RR R,		10) ( <b>LRR K, L, MLRA 149B</b> )
	bipedon (A2)		MLRA 149B	,				Redox (A16) ( <b>LRR K, L, R</b> )
Black Hi			Thin Dark Surf					eat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4) d Layers (A5)		High Chroma S					w Surface (S8) (LRR K, L) ace (S9) (LRR K, L)
	d Below Dark Surface	- (Δ11)	Loamy Mucky Loamy Gleyed			( <b>r</b> , L)		se Masses (F12) (LRR K, L, R)
	ark Surface (A12)	5 (711)	Depleted Matri		2)			dplain Soils (F19) ( <b>MLRA 149B</b> )
	lucky Mineral (S1)		X Redox Dark Su	. ,	6)			(TA6) ( <b>MLRA 144A, 145, 149B</b> )
	Bleyed Matrix (S4)		Depleted Dark				Red Parent Ma	
	ledox (S5)		? Redox Depres					Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)
Dark Su	rface (S7)							
	f hydrophytic vegetat		etland hydrology mu	st be pre	esent, unl	ess distu	irbed or problematic.	
	Layer (if observed):							
Type:	Ro							
Depth (ir	nches):	13					Hydric Soil Present?	Yes X No
Remarks:								



Wetland CFFF-3A View facing north/northeast

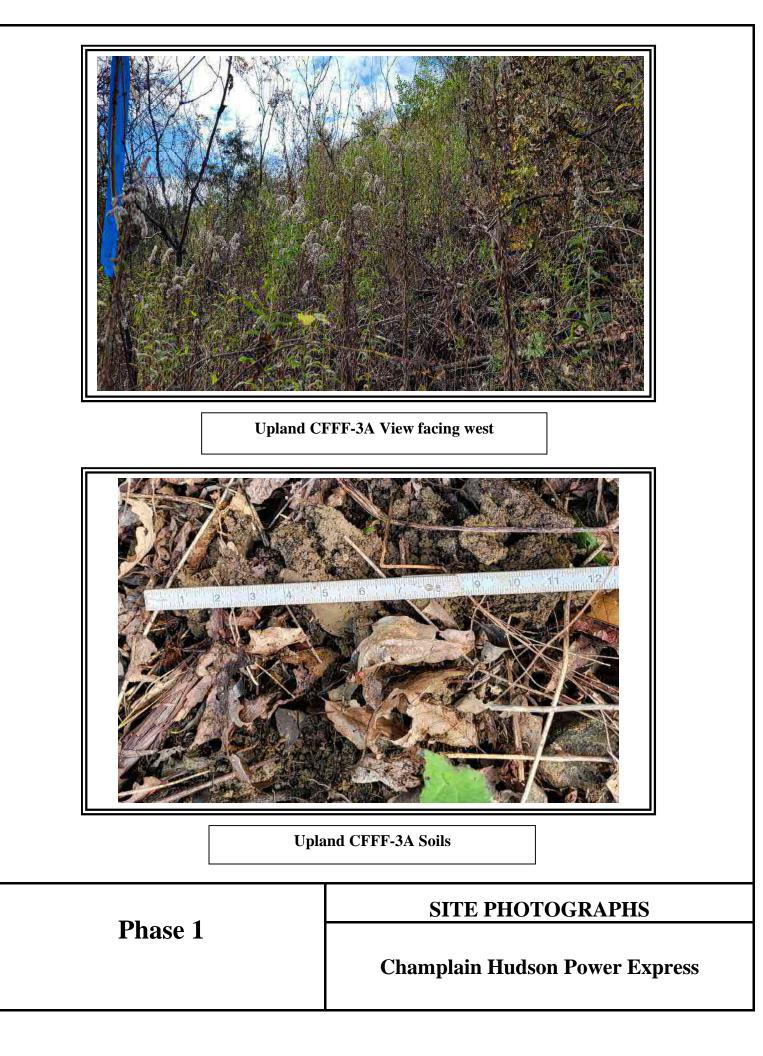


Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/19/21
Applicant/Owner: TDI	State: NY Sampling Point: UPL CFFF-3A
Investigator(s): J. Greaves, C. Scrivner	Section, Township, Range:
	relief (concave, convex, none): Convex Slope %: 45
Subregion (LRR or MLRA): LRR R Lat: 43-35-42.16N	Long: 73-26-4.31W Datum: WGS 84
Soil Map Unit Name: <u>HLE - Hollis-Charlton association, moderately steep a</u>	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally 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 X	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Successional Old Field.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)Water-Stained Leaves (B	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	
Sediment Deposits (B2)Oxidized Rhizospheres o	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	ks) Shallow Aquitard (D3) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present?       Yes       No       X       Depth (inches):         Water Table Present?       Yes       No       X       Depth (inches):	
Water Table Present?     Yes     No     X     Depth (inches):       Saturation Present?     Yes     No     X     Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections). if available:
Remarks:	

Sampling Point: UPL CFFF-3A

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Quercus rubra	25	Yes	FACU	Number of Deminent Creation
2. Quercus velutina	25	Yes	UPL	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:0(A)
3. Ostrya virginiana	10	No	FACU	Total Number of Dominant
4.				Species Across All Strata: 6 (B)
5.				
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/
7.				Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species 0 x 1 = 0
1. Lonicera morrowii	20	Yes	FACU	FACW species $0   x 2 = 0$
2. Rhus typhina	15	Yes	UPL	FAC species 23 x 3 = 69
3. Juniperus virginiana	3	No	FACU	FACU species 103 x 4 = 412
4.				UPL species 45 x 5 = 225
5.		·		Column Totals: 171 (A) 706 (
б. 		·		Prevalence Index = $B/A = 4.13$
7.				Hydrophytic Vegetation Indicators:
	38	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
I. Solidago canadensis	35	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Solidago rugosa	10	No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide suppor
3. Euthamia graminifolia	10	No	FAC	data in Remarks or on a separate sheet)
4. Rubus occidentalis	5	No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Tussilago farfara	5	No	FACU	
6. Acer rubrum	3	No	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology mus present, unless disturbed or problematic.
7.			FAC	Definitions of Vegetation Strata:
3.		·		Deminions of Vegetation Strata.
9.		·		<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.
		·		at bleast height (DDH), regardless of height.
10		·		<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11		·		
12				Herb – All herbaceous (non-woody) plants, regardle
	68	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')	-	N	FAOL	Woody vines – All woody vines greater than 3.28 ft
1. Vitis aestivalis	5	Yes	FACU	height.
2		·		Hydrophytic
3		·		Vegetation
4		·		Present? Yes <u>No X</u>
	5	=Total Cover		

Profile Desc	ription: (Describe t	to the dep	oth needed to docu	ment th	e indica	tor or co	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12	10YR 4/2	80	10YR 6/6	20	С	М	Mucky Loam/Clay	Prominent redox concentrations
·								
	ncentration, D=Depl	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators f	or Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfac	ce (S8) ( <b>I</b>	.RR R,	2 cm M	uck (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	ipedon (A2)		MLRA 149B	)			Coast P	rairie Redox (A16) (LRR K, L, R)
Black His	tic (A3)		Thin Dark Surf	ace (S9)	(LRR R,	MLRA 1	1 <b>49B</b> ) 5 cm Mi	ucky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	511) ( <b>LRF</b>	R K, L)	Polyvalu	ue Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					rk Surface (S9) (LRR K, L)
		(111)				( I <b>(</b> , Ľ)		
	Below Dark Surface	; (ATT)	Loamy Gleyed		r <i>z)</i>			nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		X Depleted Matri	. ,				nt Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic S	podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy Gl	eyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	rent Material (F21)
Sandy Re	edox (S5)		Redox Depress	sions (F	8)		Very Sh	allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		,			Explain in Remarks)
Dark Sur				, _,			0	
3								
	hydrophytic vegetati ayer (if observed):	on and w	etland hydrology mu	st be pre	esent, unl	ess distu	rbed or problematic.	
Туре:	Roc	ck						
Depth (in	ches):	12					Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								



Anvestigator(s):       J. Greaves, C. Scrivner       Section, Township, Range:         .a.andform (hillside, terrace, etc.):       Swale       Local relief (concave, convex, none):       Concave       Slope %:       5         Subregion (LRR or MLRA):       LRR R       Lat:       43-35-38.20N       Long:       73-26-7.75W       Datum:       WGS 84         Soil Map Unit Name:       HLE - Hollis-Charlton association, moderately steep and steep       NWI classification:       PEM1         Are climatic / hydrologic conditions on the site typical for this time of year?       Yes _X       No (ff no, explain in Remarks.)         Are Vegetation	Project/Site: CHPE		City/County: Dresden / Washington	Sampling Date: 10/19/21
newsigator(s): j_Greaves, C. Scrivner	Applicant/Owner: TDI		State: NY	Sampling Point: WET CGGG-1A
andform (hillside, terrace, etc.);       Swale       Local relief (concave; convex, none);       Concave       Slope %;       5         Solar begin (LRR or MLRA);       LRR R       Lat:       43-53-33.20N       Long;       73-26-7.75W       Datum;       WGS 84         Solar begin (LRR or MLRA);       LRR R       Lat:       43-53-33.20N       Long;       73-26-7.75W       Datum;       WGS 84         Solar begin (LRR or MLRA);       LRR R       is infificantly disturbed?       Are "Normal Circumstances" present?       Yes X       No			Section, Township, Range:	
Subregion (LRR or MLRA):       LRR       Lat:       43-35-38.20N       Long:       73-26-7.75W       Datum:       WGS 84         Soid Map Unit Name:       HLE - Hollis-Charlton association, moderately steep and steep       NWI classification:       PEM1         tee climatic / hydrologic conditions on the site typical for this time of year?       Yes X       No       (If no, explain in Remarks.)         ver Vegetation		Local re		Slope %: 5
Sol Map Unit Name:       HLE - Holls-Chartton association, moderately steep and steep       NWI classification:       PEM1         ve climatic / hydrologic conditions on the site typical for this time of year?       Yes X       No(fr.o, explain in Remarks.)         ve Vegetation				
we climatic / hydrologic conditions on the site typical for this time of year?       Yes X       No (If no, explain in Remarks.)         we Vegetation	<b>.</b>			
we VegetationSoil, or Hydrologyinstinuity problematic?       Are "Normal Circumstances" present? Yes				
we Vegetation Soil or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.)         SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.         Hydrophytic Vegetation Present? Yes X No       Is the Sampled Area within a Wetland? Yes X No         Hydrophytic Vegetation Present? Yes X No       Is the Sampled Area within a Wetland? Yes X No         Remarks: (Explain alternative procedures here or in a separate report.)       Prescreption (If yes, optional Wetland Site ID: Near Flag WET CFFF-3A         Palustrine Emergent Marsh - linear roadside swale dominated by purple loosestrife Edinger classification: Purple Loosestrife Marsh.         PMDROLOGY         Wetland Hydrology Indicators:       Surface Soil Cracks (B6)         Surface Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)         X High Water Table (A2)       Aquatic Fauna (B13)       Mors Trin Lines (B16)         Surface Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sectiment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         I'modation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Su				
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.         Hydrophylic Vegetation Present?       Yes       No       Is the Sampled Area within a Wetland?       Yes       No       If yes, optional Wetland Site ID: Near Flag WET CFFF-3A         Remarks: (Explain alternative procedures here or in a separate report.)       Palustrine Emergent Marsh - linear roadside swale dominated by purple loosestrife. Edinger classification: Purple Loosestrife Marsh.         Primary Indicators:       Secondary Indicators:       Secondary Indicators (minimum of one is required: check all that apply)       Surface Soil Cracks (B6)         Surface Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)       Drainage Patterns (B10)         X High Water Table (A2)       Aquatic Fauna (B13)       Moss Trin Lines (R16)       Dry-Season Water Table (C2)         Yeader Marks (B1)       Hydrogen sulfide Odor (C1)       Saturation Visible on Aerial Imagery (C9)       Sturtation Visible on Aerial Imagery (C9)         Sedment Deposits (B3)       Presence of Reduced Iron (C4)       Sturtation Visible on Aerial Imagery (C9)       Sturtation Visible on Aerial Imagery (C9)         Aqual tor Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X FaC-Neutral Test (D5)         Presence of Reduced Iron (C4)       Shallow Aquitard (D3)       Microtopographic Relief (D4)         Agal Mat or Crust (B4)       Presence of Reduced Iron (C4)				sent? Yes X No
Hydrophytic Vegetation Present?       Yes X       No         Hydric Soli Present?       Yes X       No         Wetland Hydrology Present?       Yes X       No         Remarks: (Explain alternative procedures here or in a separate report.)       Palustrine Emergent Marsh - linear roadside swale dominated by purple loosestrife Edinger classification: Purple Loosestrife Marsh.         Primary Indicators:       Secondary Indicators:         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)         X High Water Table (A2)       Aquatic Fauna (B13)       Moss Trim Lines (B16)         Surface Soil Cracks (B8)       Drainage Patterns (B10)       Vater Marks (B1)         Hydrogen Sulfide Odor (C1)       Crarkins Burrows (C3)       Saturation Visible on Aerial Imagery (C9)         Sediment Deposits (B2)       Oxidzed Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         If to Deposits (B5)       Thin Muck Surface (C7)       Xelendor for Clask       Sediment Present? Yes X         Into Adaptive Present?       Yes X       No	Are Vegetation, Soil, or Hydrol	ogynaturally problemati	ic? (If needed, explain any answers	in Remarks.)
Hydric Soil Present?       Yes       X       No       If yes, optional Wetland ?       Yes       X       No         Remarks:       (Explain alternative procedures here or in a separate report.)       Palustrine Emergent Marsh - linear roadside swale dominated by purple loosestrife.       Edinger classification: Purple Loosestrife Marsh.         Hyper Coord       Primary Indicators:       Secondary Indicators (minimum of two required)         Primary Indicators (minimum of one is required; check all that apply)       Surface Soil Cracks (B6)       Surface Soil Cracks (B6)         X       Hip Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)       Mass Trim Lines (B16)         X       Hip Water (A2)       Aquatic Fauna (B13)       Moss Trim Lines (B16)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)       Staturation (X3)       Presence of Reduced Iron (C4)       Statued or Stressed Plants (D1)       Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)       X Shallow Aquitard (D3)       Inurdation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)       Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)         Field Observations:       Wetland Hydrology Present?       Yes       No       Depth (inches):       4	SUMMARY OF FINDINGS – Attach	site map showing sam	pling point locations, transects,	important features, etc.
Hydric Soil Present?       Yes       X       No       If yes, optional Wetland ?       Yes       X       No         Remarks:       (Explain alternative procedures here or in a separate report.)       Palustrine Emergent Marsh - linear roadside swale dominated by purple loosestrife.       Edinger classification: Purple Loosestrife Marsh.         Hyper Coord       Primary Indicators:       Secondary Indicators (minimum of two required)         Primary Indicators (minimum of one is required; check all that apply)       Surface Soil Cracks (B6)       Surface Soil Cracks (B6)         X       Hip Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)       Mass Trim Lines (B16)         X       Hip Water (A2)       Aquatic Fauna (B13)       Moss Trim Lines (B16)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)       Staturation (X3)       Presence of Reduced Iron (C4)       Statued or Stressed Plants (D1)       Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)       X Shallow Aquitard (D3)       Inurdation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)       Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)         Field Observations:       Wetland Hydrology Present?       Yes       No       Depth (inches):       4	Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Area	
Wetland Hydrology Present?       Yes       X       No       If yes, optional Wetland Site ID:       Near Flag WET CFFF-3A         Remarks:       (Explain alternative procedures here or in a separate report.)       Palustrine Emergent Marsh - linear roadside swale dominated by purple loosestrife Edinger classification: Purple Loosestrife Marsh. <b>1YDROLOGY</b> Wetland Hydrology Indicators:       Secondary Indicators (minimum of two required)         Primary Indicators (minimum of one is required: check all that apply)       Surface Soil Cracks (B6)       Drainage Patterns (B10)         X       High Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)         X       High Water Table (A2)       Aquatic Fauna (B13)       More Strin Lines (B16)         X       Saturation (A3)       Marl Deposits (B15)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sufide Odor (C1)       Craylish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres on Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         Orift Deposits (B3)       Presence of Reduced Iron (C4)       Stuned or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Mindee Present?       Yes       X No <td></td> <td></td> <td>•</td> <td>No</td>			•	No
Palustrine Emergent Marsh - linear roadside swale dominated by purple loosestrife Edinger classification: Purple Loosestrife Marsh.         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one is required; check all that apply)		Yes X No		
Wetland Hydrology Indicators:       Secondary Indicators (minimum of two required)         Primary Indicators (minimum of one is required; check all that apply)			estrife Edinger classification: Purple Loose	∍strife Marsh.
Primary Indicators (minimum of one is required; check all that apply)	HYDROLOGY			
Surface Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)         X       High Water Table (A2)       Aquatic Fauna (B13)       Moss Trim Lines (B16)         X       Saturation (A3)       Marl Deposits (B15)       Dry-Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (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)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       X Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)       Field Observations:         Surface Water Present?       Yes       X       No       Depth (inches):       4         Saturation Present?       Yes       X       No       Depth (inches):       4         Saturation Present?       Yes       X       No       Depth (inches):       4         Saturation Present?       Yes       X       No </td <td>Wetland Hydrology Indicators:</td> <td></td> <td>Secondary Indicators</td> <td>(minimum of two required)</td>	Wetland Hydrology Indicators:		Secondary Indicators	(minimum of two required)
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)       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)       X Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)       Field Observations:         Surface Water Present?       Yes       X       No         Saturation Present?       Yes       X       No         Includes capillary fringe)       Depth (inches):       0       Wetland Hydrology Present?       Yes       X       No         Saturation Present?       Yes       X       No       Depth (inches):       0       Wetland Hydrology Present?       Yes       X       No         Des	Primary Indicators (minimum of one is require	d; check all that apply)	Surface Soil Crac	ks (B6)
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)       X       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       X       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X       FAC-Neutral Test (D5)         Field Observations:       Surface Water Present?       Yes       X       No       Depth (inches):       4         Water Table Present?       Yes       X       No       Depth (inches):       4       Wetland Hydrology Present?       Yes       X       No         Gincludes capillary fringe)       Depth (inches):       0       Wetland Hydrology Present?       Yes       X       No         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       Saturationstis available: <t< td=""><td>Surface Water (A1)</td><td>Water-Stained Leaves (B</td><td>9) Drainage Patterns</td><td>s (B10)</td></t<>	Surface Water (A1)	Water-Stained Leaves (B	9) Drainage Patterns	s (B10)
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)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       X Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X FAC-Neutral Test (D5)       Field Observations:         Surface Water Present?       Yes       No       Depth (inches):       4         Water Table Present?       Yes       No       Depth (inches):       4         Saturation Present?       Yes       No       Depth (inches):       4         Mater Table Present?       Yes       No       Depth (inches):       0         Microlase capillary fringe)       Depth (inches):       0       Wetland Hydrology Present?       Yes       X       No         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       If available:       If available       If available	X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines	(B16)
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)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       X 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:       Sufface Water Present?       Yes         Saturation Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):         (includes capillary fringe)       Depth (inches):       0       Wetland Hydrology Present?       Yes       X       No         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       If available:       Imagery (Pail Algorithm and Pail Algorithm				
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)       X 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         Sufface Water Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):         Gincludes capillary fringe)       Depth (inches):       0       Wetland Hydrology Present?       Yes       X       No         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       If available:       If available:				
Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       X Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       X 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         Water Table Present?       Yes       X         No       Depth (inches):       4         Saturation Present?       Yes       X         No       Depth (inches):       0         (includes capillary fringe)       Depth (inches): inspections), if available:				••••
Iron Deposits (B5) Thin Muck Surface (C7) X 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   Water Table Present? Yes X No   Saturation Present? Yes X No   Depth (inches): 4 Wetland Hydrology Present? Yes   (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:				
Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       X       FAC-Neutral Test (D5)         Field Observations:       Surface Water Present?       Yes       No       X       Depth (inches):         Water Table Present?       Yes       X       No       Depth (inches):       4       Wetland Hydrology Present?       Yes       X       No         Saturation Present?       Yes       X       No       Depth (inches):       0       Wetland Hydrology Present?       Yes       X       No         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       Image: Content of the stream gauge in				
Sparsely Vegetated Concave Surface (B8)       X       FAC-Neutral Test (D5)         Field Observations:       Surface Water Present?       Yes       No       X       Depth (inches):				
Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         X       No         Depth (inches):       4         Saturation Present?       Yes         X       No         Depth (inches):       4         Saturation Present?       Yes         X       No         Depth (inches):       0         Wetland Hydrology Present?       Yes         Yes       X         No       Depth (inches):         0       Wetland Hydrology Present?         Yes       X         No       Depth (inches):         0       Wetland Hydrology Present?         Yes       X         No       Depth (inches):         0       Wetland Hydrology Present?         Yes       X         No       Depth (inches):         0       Wetland Hydrology Present?         Yes       X         No       Depth (inches):         0       Wetland Hydrology Present?         Yes       X         No       Depth (inches):         0       Wetland Hydrology Present?         Yes       <				
Surface Water Present?       Yes       No       X       Depth (inches):          Water Table Present?       Yes       X       No       Depth (inches):          Saturation Present?       Yes       X       No       Depth (inches):          Mo       Depth (inches):       0       Wetland Hydrology Present?       Yes       X       No         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		<i>&gt;)</i>		. (D5)
Water Table Present?       Yes       X       No       Depth (inches):       4         Saturation Present?       Yes       X       No       Depth (inches):       0       Wetland Hydrology Present?       Yes       X       No         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       Wetland Hydrology Present?       Yes       X       No		No V Depth (inches):		
Saturation Present?       Yes       X       No       Depth (inches):       0       Wetland Hydrology Present?       Yes       X       No         (includes capillary fringe)				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:				Yes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		<u> </u>		<u> </u>
		itoring well, aerial photos, prev	ious inspections), if available:	
Remarks:	·	<b>.</b>	• •	
	Remarks <sup>.</sup>			

Sampling Point: WET CGGG-1A

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 Species Across All Strata: 1 (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 <u>62</u> x 1 = <u>62</u>
1. <u>Salix nigra</u>	2	No	OBL	FACW species <u>15</u> x 2 = <u>30</u>
2				FAC species <u>5</u> x 3 = <u>15</u>
3				FACU species x 4 = 80
4				UPL species 0 x 5 = 0
5		·		Column Totals: 102 (A) 187 (B)
6.				Prevalence Index = B/A = 1.83
7.				Hydrophytic Vegetation Indicators:
	2	=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	X_3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Poa pratensis	15	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Phalaris arundinacea	10	No	FACW	data in Remarks or on a separate sheet)
4. Equisetum arvense	5	No	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Symphyotrichum novae-angliae	5	No	FACW	
6. Tussilago farfara	5	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
o 9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vereteier
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ				
	die Sneet.			

Profile Descript	ion: (Describe t	o the dep	oth needed to docu	ment th	e indica	tor or co	nfirm the absence of i	ndicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-5	10YR 2/1	95	7.5YR 4/6	5	С	PL	Mucky Loam/Clay	Prominent redox concentrations
5-13	N 4/	70	10YR 5/6	20	С	М	Mucky Loam/Clay	Prominent redox concentrations
			5YR 4/6	10	С	Μ		Prominent redox concentrations
·								
<u> </u>								<b>.</b>
Hydric Soil India		etion, RIM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		.=Pore Lining, M=Matrix. r Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)			Polyvalue Belo	w Surfac	ce (S8) (I	_RR R,		ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epiped			MLRA 149B		. , .			airie Redox (A16) ( <b>LRR K, L, R</b> )
Black Histic	(A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	149B) 5 cm Muc	cky Peat or Peat (S3) (LRR K, L, R)
Hydrogen Su	ulfide (A4)		High Chroma S	Sands (S	11) ( <b>LRF</b>	R K, L)	Polyvalue	e Below Surface (S8) ( <b>LRR K, L</b> )
Stratified Lay	yers (A5)		Loamy Mucky I	Mineral (	F1) ( <b>LR</b> F	R K, L)	Thin Dark	< Surface (S9) (LRR K, L)
	low Dark Surface	e (A11)	X Loamy Gleyed			- ,		ganese Masses (F12) (LRR K, L, R)
	Surface (A12)	. ,	Depleted Matrix					t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
	y Mineral (S1)		X Redox Dark Su	urface (F	6)			odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	ed Matrix (S4)		Depleted Dark					ent Material (F21)
Sandy Redo			? Redox Depress					
Stripped Mat			Marl (F10) (LR	`	,		Very Shallow Dark Surface (F22) Other (Explain in Remarks)	
Dark Surface	. ,			in in, <b>L</b> )				
	· · ·							
		on and w	etland hydrology mus	st be pre	sent, un	ess distu	rbed or problematic.	
Restrictive Laye Type:	er (if observed): Roc							
Depth (inche		13					Hydric Soil Present	t? Yes <u>X</u> No
		15					Hyunc Son Fresen	
Remarks:								



Project/Site: CHPE	City/County: Dresd	en / Washington Sampling Date: 10/19/21
Applicant/Owner: TDI		State: NY Sampling Point: UPL CGGG-1A
Investigator(s): J. Greaves, C. Scrivner	Section, T	ownship, Range:
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, conv	ex, none): Convex Slope %: 30
Subregion (LRR or MLRA): LRR R	Lat: 43-35-38.25N Long	: 73-26-7.85W Datum: WGS 84
Soil Map Unit Name: HLE - Hollis-Charlton asso	ciation, moderately steep and steep	NWI classification: NA
Are climatic / hydrologic conditions on the site typi	cal for this time of year? Yes X	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	v significantly disturbed? Are "No	mal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology		ed, explain any answers in Remarks.)
		ations, transects, important features, etc.
		ations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Ye	s No X Is the Sampled A	Area
Hydric Soil Present? Ye	s No X within a Wetland	l? Yes <u>No X</u>
Wetland Hydrology Present? Ye	s No X If yes, optional W	etland Site ID:
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required;	check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in 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)

 Yes
 No
 X
 Depth (inches):

 Yes
 No
 X
 Depth (inches):

 Yes
 No
 X
 Depth (inches):

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

**Field Observations:** 

Surface Water Present? Water Table Present? Saturation Present?

(includes capillary fringe)

Remarks:

Yes No X

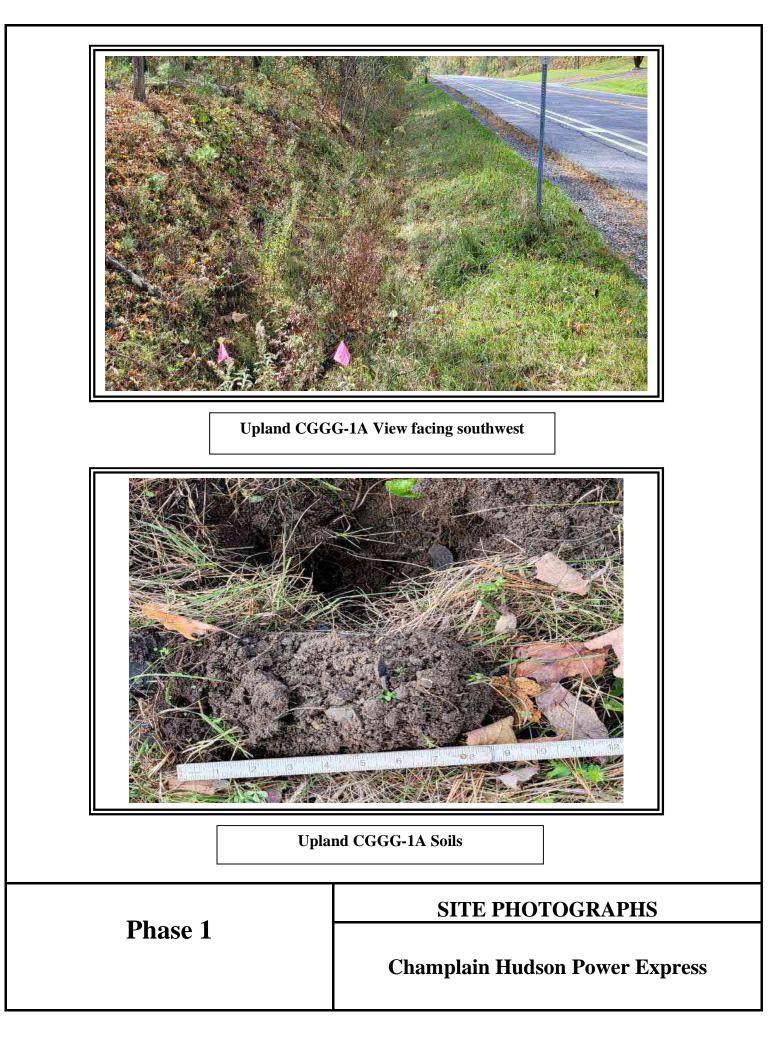
FAC-Neutral Test (D5)

Wetland Hydrology Present?

Sampling Point: UPL CGGG-1A

	Absolute	Dominant	Indicator	Deminent Testandalasi
<u>Tree Stratum</u> (Plot size: <u>30'</u> )	% Cover	Species?	Status	Dominance Test worksheet:
1. Quercus rubra	25	Yes	FACU	Number of Dominant Species
2. Quercus velutina	25	Yes	UPL	That Are OBL, FACW, or FAC: (A)
<ol> <li>Ostrya virginiana</li> <li>4.</li> </ol>	10	No	FACU	Total Number of Dominant         Species Across All Strata:       3         (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3				FACU species <u>125</u> x 4 = <u>500</u>
4				UPL species 50 x 5 = 250
5				Column Totals: <u>175</u> (A) <u>750</u> (B)
6				Prevalence Index = B/A = 4.29
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	65	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Daucus carota	15	No	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Cichorium intybus	10	No	FACU	data in Remarks or on a separate sheet)
4. Lotus corniculatus	10	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Rubia peregrina	10	No	UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be
6. Trifolium pratense	5	No	FACU	present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
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
	115	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			
	,			

Profile Desc	ription: (Describe	to the dep	th needed to docu	ment th	e indica	tor or co	nfirm the absence of indicators.)	
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Re	emarks
0-2	10YR 2/1	100					Sandy	
2-9	10YR 4/2	100					Sandy	
·		·						
		·						
		·						
1 <del></del>				<u> </u>			21	
Hydric Soil I	oncentration, D=Depl	etion, RM=	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	<sup>2</sup> Location: PL=Pore Lining, M: Indicators for Problematic H	
Histosol			Polyvalue Belo	w Surfa	ce (S8) ( <b>I</b>	.RR R.	2 cm Muck (A10) (LRR K	-
	vipedon (A2)		MLRA 149B			,	Coast Prairie Redox (A16	
Black His			Thin Dark Surfa	, ace (S9)	(LRR R,	MLRA 1		
	n Sulfide (A4)		High Chroma S				Polyvalue Below Surface	
	Layers (A5)		Loamy Mucky I				Thin Dark Surface (S9) (L	
	Below Dark Surface	e (A11)	Loamy Gleyed			, _,	Iron-Manganese Masses	
	irk Surface (A12)	()	Depleted Matrix		_,		Piedmont Floodplain Soils	
	lucky Mineral (S1)		Redox Dark Su	. ,	6)		Mesic Spodic (TA6) ( <b>MLR</b>	. , . ,
	leyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)	
	edox (S5)		Redox Depress				Very Shallow Dark Surfac	
	Matrix (S6)		Marl (F10) (LR		5)		Other (Explain in Remarks	
	face (S7)		(11211) (1112) (1112)	, _,				-,
	hydrophytic vegetat	ion and we	tland hydrology mus	st be pre	esent, unl	ess distu	rbed or problematic.	
	ayer (if observed):	alı						
Type:	Roo	<u>ск</u> 9					Undria Cail Presento Vez	
	nches):	9					Hydric Soil Present? Yes	<u>No X</u>
Remarks:								



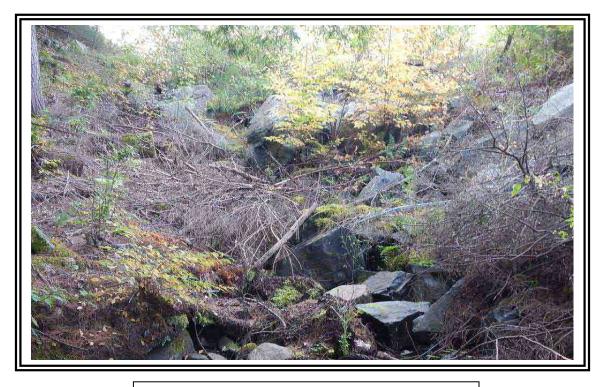
Project/Site: CHPE - Route 22 - Whitehall Section	City/County: Washington Sampling Date: 10/08/21
Applicant/Owner: CHPE	State: NY Sampling Point: G-R-Wet
Investigator(s): KW, KS	Section, Township, Range: Whitehall
Landform (hillside, terrace, etc.): Toeslope	Local relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 142 Lat: 43°,38	',27.40"N Long: 73°,26',15.88"W Datum:
Soil Map Unit Name: Rock outcrop/Hollis	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this tim	e of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignifi	cantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology natura	Ily problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ving 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 Streamside wetlands associated with G-S-H.	e report.)
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)

wenand nyurology mule	1015.						influtti of two required)	
Primary Indicators (minimu	<u>m of one is requi</u>	red; check all	l that apply)			Surface Soil Cracks (B6)		
X Surface Water (A1)		X Water	-Stained Leaves (B	9)		X Drainage Patterns (B10)		
High Water Table (A2)		Aquati	ic Fauna (B13)			Moss Trim Lines (B16)		
Saturation (A3)		Marl D	Deposits (B15)			Dry-Season Water Ta	ıble (C2)	
X Water Marks (B1)		Hydro	gen Sulfide Odor (C	:1)	Crayfish Burrows (C8	)		
X Sediment Deposits (B2	)	Oxidiz	Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery					
Drift Deposits (B3)		Preser	nce of Reduced Iror	n (C4)		Stunted or Stressed F	Plants (D1)	
Algal Mat or Crust (B4)		Recen	nt Iron Reduction in	Tilled Soil	s (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)		Thin M	/luck Surface (C7)			Shallow Aquitard (D3	)	
Inundation Visible on A	erial Imagery (B	7) Other	(Explain in Remark	s)		Microtopographic Rel	ief (D4)	
Sparsely Vegetated Co	ncave Surface (l	B8)	38) X FAC-Ne				5)	
Field Observations:								
Surface Water Present?	Yes X	No	Depth (inches):	1				
Water Table Present?	Yes	No X	Depth (inches):	<u> </u>				
Saturation Present?	Yes	No	Depth (inches):	2	Wetlan	d Hydrology Present?	Yes X No	
(includes capillary fringe)			· · · (				···· <u>···</u> ··· <u>·</u>	
Describe Recorded Data (s	tream dauge mo	onitoring well	aerial photos prev	ious inspe	ections) if a	available.		
		;g;,	,, F, F		,,			
Remarks:								

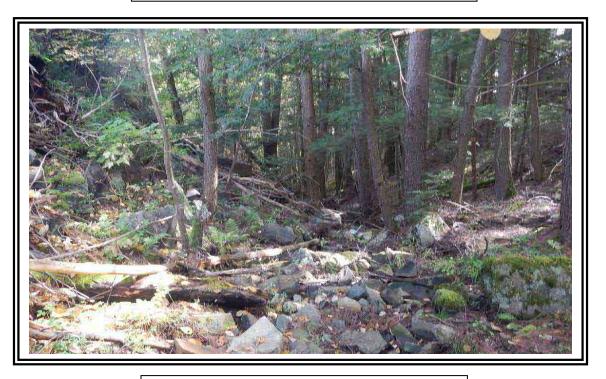
Sampling Point: G-R-Wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Betula alleghaniensis	30	Yes	FAC	
2. Tsuga canadensis	25	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)
3				Total Number of Dominant Species Across All Strata: <u>4</u> (B)
5.           6.				Percent of Dominant Species That Are OBL, FACW, or FAC:75.0% (A/B)
7.				Prevalence Index worksheet:
	55	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Impatiens capensis	15	Yes	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Bidens frondosa	10	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				<b>Tree</b> – 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				height.
2				Hydrophytic
3				Vegetation
4.				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

inches)	Matrix			x Featur				
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12	10YR 3/2	95	10YR 4/6	5	С	М	Loamy/Clayey	Prominent redox concentrations
					Led Car	Craina	<sup>2</sup> l continue [	
Type: C=Co Tydric Soil II	ncentration, D=Depl	ellon, RIV	Reduced Matrix, N	vis=ivias	ked Sand	i Grains.		PL=Pore Lining, M=Matrix.
Histosol (			Polyvalue Belo	ow Surfa	ce (S8) (			uck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B			,		rairie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surf	,	) (LRR R	, MLRA 1		ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma		-			ue Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LR</b>	R K, L)	Thin Da	rk Surface (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	; (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Ma	nganese Masses (F12) ( <b>LRR K, L, R</b>
Thick Da	rk Surface (A12)		Depleted Matri	ix (F3)			Piedmo	nt Floodplain Soils (F19) ( <b>MLRA 149</b>
Sandy M	ucky Mineral (S1)		X Redox Dark Su	urface (F	6)		Mesic S	podic (TA6) ( <b>MLRA 144A, 145, 149E</b>
-	leyed Matrix (S4)		Depleted Dark					rent Material (F21)
	edox (S5)		? Redox Depres	-	8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (E	Explain in Remarks)
Dark Sun	face (S7)							
Indicators of	hvdrophytic vegetati	ion and w	etland hvdrologv m	ust be pr	resent. ur	nless dist	urbed or problematic.	
	ayer (if observed):		, , ,	•	,			
Restrictive L								
Restrictive L Type:								
Indicators of	hydrophytic vegetati		etland hydrology mi	ust be pr	esent, ur	nless dist	urbed or problematic.	



Wetland G-R- View facing Southwest



Wetland G-R- View facing East

Phase 1

# SITE PHOTOGRAPHS

**Champlain Hudson Power Express** 

Project/Site: CHPE	- Route 22 - W	/hitehall Section		City/C	ounty: Washing	gton		Sampling Date:	10/08/21
Applicant/Owner:	CHPE					State:	NY	Sampling Point:	G-R-Up
Investigator(s): KW,	KS				Section, Tov	vnship, Range:	Whiteh	all	
Landform (hillside, te	errace, etc.):	Toeslope		Local relief (c	oncave, conve	k, none): <u>Conca</u>	ive	Slope	%: 0
Subregion (LRR or N	ILRA): <u>LRR F</u>	R, MLRA 142	Lat:	43°,35',27.40"N	Long:	73°,26',15.88"\	V	Datum:	
Soil Map Unit Name:	Rock outcrop	o/Hollis				NWI class	fication	: None	
Are climatic / hydrolo	gic conditions of	on the site typical	l for t	his time of year?	Yes X	No	(lf no,	explain in Remarks.	.)
Are Vegetation	, Soil	, or Hydrology		significantly disturbed?	Are "Norm	al Circumstanc	es" pres	sent? Yes X	No
Are Vegetation	, Soil	, or Hydrology		naturally problematic?	(If needed	, explain any ar	nswers	in Remarks.)	
SUMMARY OF F	INDINGS -	Attach site r	nap	showing sampling	point locati	ons, transe	cts, in	nportant feature	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	ires here or in a	separate report.)	

Wetland Hydrology Indicators:	and Hydrology Indicators: Secondary Indicators (minimum of two rec					
Primary Indicators (minimum of one i	s 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)	Marl Deposits (B15) Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	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 Imag	gery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)				
Sparsely Vegetated Concave Su	rface (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 gau	uge, monitoring well, aerial photos, previous inspe	tions), if available:				
Remarks:						

Sampling Point: G-R-Up

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Tsuga canadensis	20	Yes	FACU	
2. Acer rubrum	10	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3. Acer saccharum	10	Yes	FACU	Total Number of Dominant
4.				Species Across All Strata: 5 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC:(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. Hamamelis virginiana	15	Yes	FACU	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4.				UPL species x 5 =
5				Column Totals: (A)(B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Polystichum acrostichoides	5	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2				4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
3				
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	5	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: 15')				of size, and woody plants less than 5.20 it tail.
				Woody vines – All woody vines greater than 3.28 ft in height
1 2.				height.
2				Hydrophytic
4.				Vegetation Present? Yes No X
T		=Total Cover		
Remarks: (Include photo numbers here or on a separ				
	ale sheet.)			

Depth Matrix		Dodo	x Featu	·00			
(inches) Color (moist)	%	Color (moist)	x Featur %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
			70	туре	200		Remains
0-12 10YR 4/2	100					Loamy/Clayey	
						·	
<sup>1</sup> Type: C=Concentration, D=Depl	etion RM	=Reduced Matrix	MS=Mas	ked Sand	Grains	<sup>2</sup> l ocation: PI =F	Pore Lining, M=Matrix.
Hydric Soil Indicators:			no mao				roblematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	RR R.		(A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epipedon (A2)		 MLRA 149E		( - / (	,		e Redox (A16) ( <b>LRR K, L, R</b> )
Black Histic (A3)		Thin Dark Sur	,	) (LRR R	MLRA 1		Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4)		High Chroma					elow Surface (S8) (LRR K, L)
Stratified Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LRI</b>	R K, L)	Thin Dark S	urface (S9) (LRR K, L)
Depleted Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mangar	nese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Dark Surface (A12)		Depleted Matr	ix (F3)			Piedmont Fl	oodplain Soils (F19) ( <b>MLRA 149</b>
Sandy Mucky Mineral (S1)		Redox Dark S	urface (F	6)		Mesic Spodi	ic (TA6) ( <b>MLRA 144A, 145, 149B</b>
Sandy Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent	Material (F21)
Sandy Redox (S5)		Redox Depres	sions (F	8)		Very Shallov	w Dark Surface (F22)
Stripped Matrix (S6)		Marl (F10) ( <b>LF</b>	RRK,L)			Other (Expla	ain in Remarks)
Dark Surface (S7)							
<sup>3</sup> Indicators of hydrophytic vegetati		etland hydrology m	ust be pi	resent, ur	iless disti	urbed or problematic.	
Restrictive Layer (if observed):							
Туре:							
Depth (inches):						Hydric Soil Present?	Yes <u>No X</u>



Upland G-R- View facing Northeast



Upland G-R- View facing Southeast

Phase 1

# SITE PHOTOGRAPHS

**Champlain Hudson Power Express** 

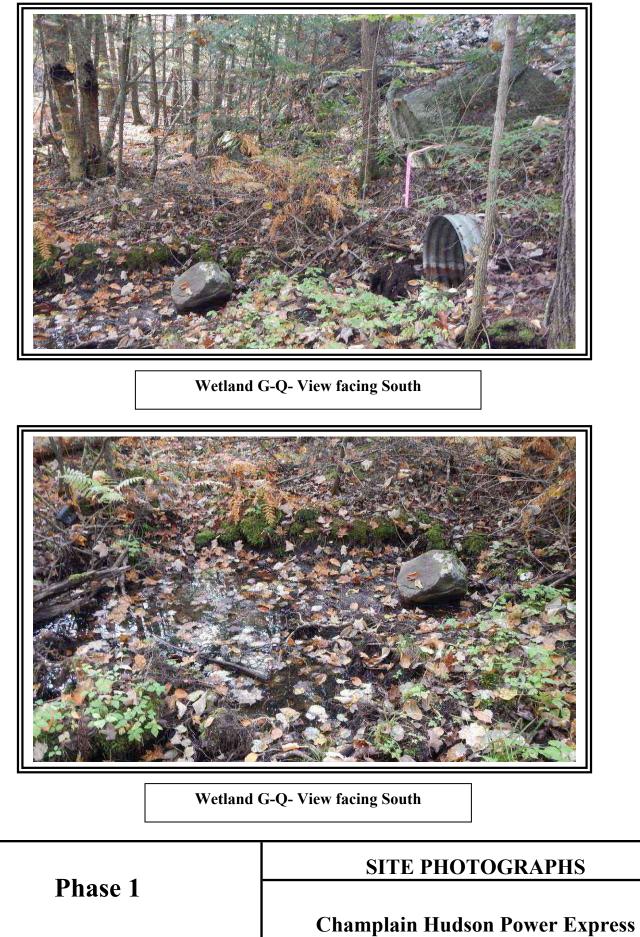
Project/Site: CHPE -	Route 22 - V	Nhitehall Section			City/County: Washington				Sampling Date: 10/08/21		
Applicant/Owner:	CHPE	CHPE State: N						NY	Sampling Poir	nt: <u>G-(</u>	Q-Wet
Investigator(s): KW, K	S				Section, To	wnshi	ip, Range: <u>V</u>	Vhiteha	all		
Landform (hillside, terra	ace, etc.):	Toeslope		Local re	elief (concave, conve	ex, no	ne): <u>Concav</u>	/e	Slop	e %:	0
Subregion (LRR or MLI	RA): LRR	R, MLRA 142	Lat:	43°,35',17.41"N	Long:	73°,	26',18.50"W	1	Datum:		
Soil Map Unit Name:	Rock Outcro	p/Hollis					NWI classifi	cation:	PFO		
Are climatic / hydrologi	c conditions	on the site typica	al for	this time of year?	Yes X	_	No	(If no, e	explain in Remarl	<s.)< td=""><td></td></s.)<>	
Are Vegetation	, Soil	, or Hydrology		significantly disturb	ed? Are "Norr	mal Ci	rcumstance	s" pres	ent? Yes X	No	
Are Vegetation	Are Vegetation, Soil, or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.)										
SUMMARY OF FI	NDINGS -	- Attach site	map	showing samp	ling point locat	tions	, transec	ts, im	iportant featu	res, e	ətc.
Hydrophytic Vegetatic	on Present?	Yes	х	No	Is the Sampled A	rea					
Hydric Soil Present?		Yes	Х	No	within a Wetland	?	Yes	Х	No		
Wetland Hydrology Pr	esent?	Yes	Х	No	If yes, optional We	etland	Site ID:				
Remarks: (Explain all	ternative pro	cedures here or	in a s	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)	X Water-Stained Leaves (B9)		X Drainage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)			
X Water Marks (B1)	Hydrogen Sulfide Odor (C1)	_	Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	oots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)	-	X 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	Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)					
Sparsely Vegetated Concave Surface (B	38)	-	FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes X	No Depth (inches): 1					
Water Table Present? Yes	No X Depth (inches):					
	No Depth (inches): 4	Wetland	l Hydrology Present? Yes X No			
		Wetland	I Hydrology Present? Yes X No			
Saturation Present? Yes X	No Depth (inches): 4					
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 4					
Saturation Present?     Yes     X       (includes capillary fringe)	No Depth (inches): 4					
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 4					
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 4					
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 4					
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 4					
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 4					
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 4					
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 4					
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 4					

Sampling Point: G-Q-Wet

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Tsuga canadensis	45	Yes	FACU	Number of Dominant Species
2. Acer rubrum	20	Yes	FAC	That Are OBL, FACW, or FAC: <u>3</u> (A)
3				Total Number of Dominant
4				Species Across All Strata: 5 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 60.0% (A/B)
7.				Prevalence Index worksheet:
	65	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species         x 1 =
1. Hamamelis virginiana	10	Yes	FACU	FACW species x 2 =
				FAC species x 3 =
				FACU species x 4 =
3 4.				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Rubus canadensis	5	No	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Impatiens capensis	5	No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Aronia arbutifolia	10	Yes	FACW	data in Remarks or on a separate sheet)
4. Penthorum sedoides	5	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Dryopteris intermedia	10	Yes	FAC	<u> </u>
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				_
				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	35	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15' )				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet )			
· · · · · · · · · · · · · · · · · · ·	,			

		Redo	x Featur	es			
(inches) Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-10 10YR 3/1	98	7.5YR 5/6	2	С	М	Loamy/Clayey F	Prominent redox concentrations
Type: C=Concentration, D=Deplet	ion, RM	=Reduced Matrix, N	//S=Mas	ked Sand	l Grains.		ore Lining, M=Matrix.
Hydric Soil Indicators:				<i></i>			roblematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Polyvalue Belo		ce (S8) (I	_RR R,		A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epipedon (A2)		MLRA 149B	,				Redox (A16) ( <b>LRR K, L, R</b> )
Black Histic (A3)	,	Thin Dark Surf					Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4) Stratified Layers (A5)	,	High Chroma S Loamy Mucky					elow Surface (S8) ( <b>LRR K, L</b> ) Irface (S9) ( <b>LRR K, L</b> )
Depleted Below Dark Surface (A	A11)	Loamy Gleyed			<b>Κ Ν, Ε</b> )		ese Masses (F12) ( <b>LRR K, L</b> )
Thick Dark Surface (A12)	~``)	Depleted Matri		12)			oodplain Soils (F19) (MLRA 149E
Sandy Mucky Mineral (S1)		X Redox Dark Si		6)			c (TA6) (MLRA 144A, 145, 149B
Sandy Gleyed Matrix (S4)	i	Depleted Dark		-			/aterial (F21)
Sandy Redox (S5)		Redox Depres					Dark Surface (F22)
Stripped Matrix (S6)		 Marl (F10) ( <b>LR</b>	•	,			in in Remarks)
Dark Surface (S7)			. ,			、 、	
<sup>3</sup> Indicators of hydrophytic vegetatior	n and w	etland hydrology m	ust be pi	resent, ur	less dist	urbed or problematic.	
Restrictive Layer (if observed):							
Туре:							



Project/Site: CHPE	- Route 22 - W	/hitehall Section		City/County: Washin	gton	San	npling Date: 1	10/08/21
Applicant/Owner:	CHPE				State:	NY S	ampling Point:	G-Q-Up
Investigator(s): KW,	, KS			Section, Tov	wnship, Range: <u>\</u>	Nhitehall		
Landform (hillside, te	errace, etc.):	Toeslope	Local re	elief (concave, conve	x, none): <u>Conca</u> v	ve	Slope	%: 0
Subregion (LRR or M	ILRA): <u>LRR F</u>	R, MLRA 142 L	at: 43°,35',17.41"N	Long:	73°,26',18.50"W	/	Datum:	
Soil Map Unit Name:	Rock Outcro	p/Hollis			NWI classif	ication: No	ne	
Are climatic / hydrolo	gic conditions of	on the site typical	for this time of year?	Yes X	No	(If no, expla	ain in Remarks.	.)
Are Vegetation	, Soil	, or Hydrology	significantly disturbe	ed? Are "Norn	nal Circumstance	es" present?	Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problemati	ic? (If needed	l, explain any an	swers in Rer	marks.)	
SUMMARY OF	-INDINGS	Attach site m	ap showing samp	ling point locat	ions, transec	ts, impor	tant feature	∋s, etc.

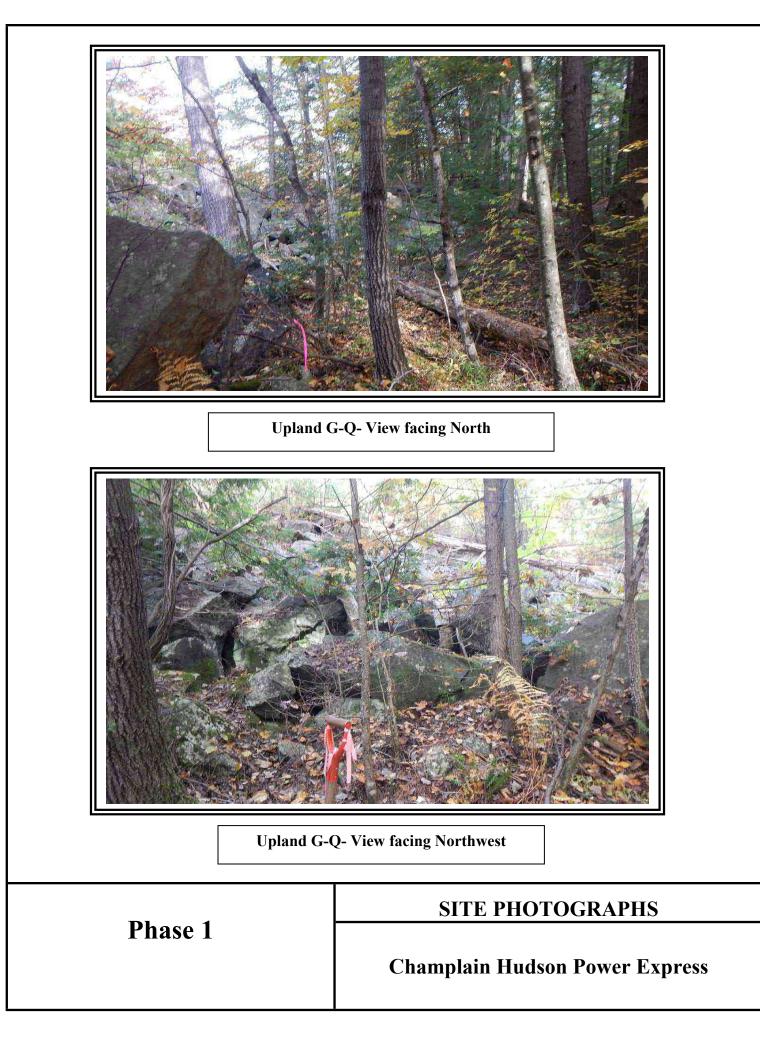
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

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)			
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	oots (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)	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)		FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present? Yes No X			
Saturation Present? Yes (includes capillary fringe)		Wetlan	d Hydrology Present? Yes <u>No X</u>			
	No X Depth (inches):					
(includes capillary fringe)	No X Depth (inches):					
(includes capillary fringe)	No X Depth (inches):					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):					

Sampling Point: G-Q-Up

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer saccharum	20	Yes	FACU	Number of Dominant Species
2. Acer platanoides	10	Yes	UPL	That Are OBL, FACW, or FAC: 2 (A)
3. Tsuga canadensis	10	Yes	FACU	Tatal New Area of Deminant
4. Carpinus caroliniana	10	Yes	FAC	Total Number of Dominant Species Across All Strata: 6 (B)
5.				
6.				Percent of Dominant Species That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
	50	=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. Polystichum acrostichoides	10	Yes	FACU	$3$ - Prevalence Index is $\leq 3.0^{1}$
2. Impatiens capensis				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
				data in Remarks or on a separate sheet)
3 4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5 6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.		·		Deminitions of Vegetation Strata.
				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	15	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15')				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
	-	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument th	ne indica	tor or co	onfirm the absence o	of indicators	s.)	
Depth	Matrix	-	Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	S
0-6	10YR 5/3	100								
		· ·								
6-14	10YR 5/2	100								
		. <u> </u>								
	-	· ·								
								1		
	-	· ·								
		. <u> </u>								
		· ·								
<sup>1</sup> Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	//S=Mas	ked Sand	d Grains.	<sup>2</sup> Location: F	PL=Pore Lini	ing, M=Mati	ix.
Hydric Soil I	Indicators:						Indicators f	or Problem	atic Hydric	: Soils <sup>3</sup> :
Histosol	(A1)	-	Polyvalue Belo	ow Surfa	ce (S8) (I	LRR R,	2 cm M	uck (A10) ( <b>L</b>	.RR K, L, M	LRA 149B)
Histic Ep	oipedon (A2)	-	MLRA 149B	5)			Coast P	rairie Redox	(A16) ( <b>LR</b>	R K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9)	) (LRR R	, MLRA 1	<b>49B</b> ) 5 cm M	ucky Peat or	Peat (S3)	(LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) ( <b>LRF</b>	R K, L)	Polyvalı	ue Below Su	rface (S8) (	LRR K, L)
Stratified	l Layers (A5)	•	Loamy Mucky	Mineral	(F1) ( <b>LRI</b>	R K, L)	 Thin Da	rk Surface (	S9) ( <b>LRR K</b>	(, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed				Iron-Ma	nganese Ma	asses (F12)	(LRR K, L, R)
Thick Da	ark Surface (A12)	· · ·	Depleted Matri	ix (F3)			Piedmo	nt Floodplair	n Soils (F19	) (MLRA 149B)
	lucky Mineral (S1)	-	Redox Dark Su		6)				-	4A, 145, 149B)
	leyed Matrix (S4)	-	Depleted Dark	-	-			rent Material	-	,
	edox (S5)	•	Redox Depres		• •			allow Dark S		2)
	Matrix (S6)	-	 Marl (F10) ( <b>LR</b>	``	- /			Explain in Re		,
	rface (S7)	-		. ,			、	•	,	
	( )									
<sup>3</sup> Indicators of	f hydrophytic vegetat	tion and we	etland hydrology mi	ust be pr	resent, ur	nless dist	urbed or problematic.			
Restrictive I	Layer (if observed):									
Туре:										
Depth (ir	nches):						Hydric Soil Prese	nt?	Yes	No <u>X</u>
Remarks:										
							2.0 to include the NR	CS Field Ind	licators of H	lydric Soils,
Version 7.0,	2015 Errata. (http://v	vww.nrcs.u	isda.gov/Internet/F	SE_DOC	CUMENT	S/nrcs142	2p2_051293.docx)			



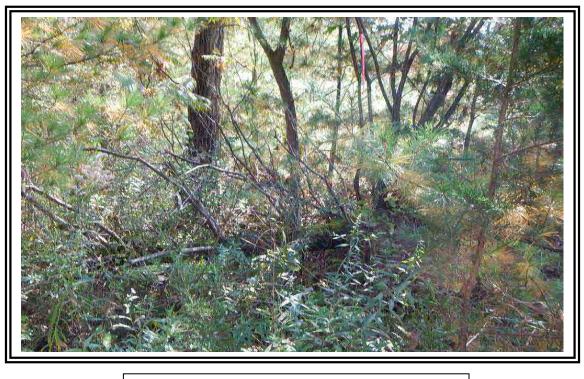
Project/Site: CHPE	- Route 22 - V	√hitehall Section	1	City/County: Washington Sampling Date: 10/08/21						
Applicant/Owner:	CHPE					S	tate:	NY	Sampling Point: G-	-P-Wet
Investigator(s): KW,	KS	KS Section, Township, Range: Whitehall								
Landform (hillside, ter	n (hillside, terrace, etc.): Streamside Local relief (concave, convex, none): Concave Slope							Slope %:	0	
Subregion (LRR or MI	LRA): LRR I	R, MLRA 142	Lat:	43°,34',39.48"N	Long:	73°,26',22	.65"W	1	Datum:	
Soil Map Unit Name:	Rock outcrop	ρ				NWI c	lassifi	ication:	PFO	
Are climatic / hydrolog	jic conditions	on the site typica	al for t	this time of year?	Yes X	No		(If no,	explain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes X No							
Are Vegetation	, Soil	, or Hydrology		naturally problemat	ic? (If neede	d, explain ai	ny ans	swers in	n Remarks.)	
SUMMARY OF F	INDINGS -	• Attach site	map	showing samp	oling point locat	tions, trai	nsec	ts, im	nportant features,	etc.
Hydrophytic Vegetati	ion Present?	Yes	х	No	Is the Sampled A	rea				
Hydric Soil Present?		Yes	Х	No	within a Wetland	?	Yes	Х	No	
Wetland Hydrology F	'resent?	Yes	Х	No	If yes, optional We	etland Site II	D: _			
Remarks: (Explain a	alternative prov	cedures here or	in a s	eparate 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)			
X Surface Water (A1) X Water-Stained Le	aves (B9)	X Drainage Patterns (B10)			
High Water Table (A2) Aquatic Fauna (B	13)	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 Rhizosp	heres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3) Presence of Redu	iced Iron (C4)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4) Recent Iron Redu	ction in Tilled Soils (C6)	Geomorphic Position (D2)			
Iron Deposits (B5) Thin Muck Surfac	e (C7)	X Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7) Other (Explain in	Remarks)	Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (D5)			
Field Observations:					
Surface Water Present? Yes X No Depth (ir	nches): 3				
Water Table Present? Yes No X Depth (ir	nches):				
Saturation Present? Yes X No Depth (ir	nches): 3 Wetlan	d Hydrology Present? Yes X No			
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if a	available:			
Remarks:					
Fringe to narrow stream (G-S-AA)					
Thinge to harrow stream (0-0-744)					

Sampling Point: G-P-Wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Salix nigra	10	Yes	OBL	
2. Pinus strobus	5	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:3(A)
3.				Total Number of Dominant
4.				Species Across All Strata: 5 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: <u>60.0%</u> (A/B)
7.				Prevalence Index worksheet:
	15	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1. Juniperus virginiana	5	Yes	FACU	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:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	45	Yes	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Lythrum salicaria	25	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				<b>Tree</b> – 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
	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
3				Vegetation
4				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

		to the dep				tor or co	nfirm the absence of i	indicators.)
Depth	Matrix			x Featur	,	. 2	<b>-</b> (	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
			······································					
		······						
		·						
<sup>1</sup> Type: C=Ce	oncentration, D=Dep	letion. RM	=Reduced Matrix, M	/S=Mas	ked Sand	d Grains.	<sup>2</sup> Location: PL	=Pore Lining, M=Matrix.
Hydric Soil		,						r Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I			k (A10) ( <b>LRR K, L, MLRA 149B</b> )
	oipedon (A2)		MLRA 149B		00 (00) (	,		airie Redox (A16) ( <b>LRR K, L, R</b> )
Black Hi			Thin Dark Surf	,				ky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	d Layers (A5)	( )	Loamy Mucky			κκ, L)		Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			ganese Masses (F12) ( <b>LRR K, L, R</b> )
	ark Surface (A12)		Depleted Matri					Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su	•	,			odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy G	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)			nt Material (F21)
Sandy R	Redox (S5)		Redox Depres	sions (F	8)		Very Shal	low Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	plain in Remarks)
Dark Su	rface (S7)							
<sup>3</sup> Indicators o	f hydrophytic vegetat	ion and w	etland hydrology m	ust be pi	resent, ur	nless distu	urbed or problematic.	
Restrictive	Layer (if observed):							
Type:	stream cobbles	and bedr	ock					
Depth (ii	nches):	2					Hydric Soil Present	t? Yes X No
		-						
Remarks:	· · · · · · · · ·							
	m is revised from No 2015 Errata. (http://w							S Field Indicators of Hydric Soils,
	possible due to shall		-	_			,	
		ow organi	c and minicial haye			bearook.		



Wetland G-P- View facing South East



Wetland G-P- Soils

Phase 1

# SITE PHOTOGRAPHS

**Champlain Hudson Power Express** 

Project/Site: CHP	E - Route 22 -	Whitehall Section	Cit	y/County: Washin	gton		Sampling Date:	10/08/21
Applicant/Owner:	CHPE				State:	NY	Sampling Point:	G-P-Up
Investigator(s): KV	V, KS			Section, To	wnship, Range: <u>N</u>	Vhitehall		
Landform (hillside, t	terrace, etc.):	Streamside	Local relie	ef (concave, conve	x, none): <u>Conca</u>	/e	Slope	%: 0
Subregion (LRR or	MLRA): LRR	R, MLRA 142	Lat: 43°,34',39.48"N	Long:	73°,26',22.65"W	1	Datum:	
Soil Map Unit Name	e: Rock outcro	ор			NWI classif	ication:	None	
Are climatic / hydro	logic conditions	s on the site typical	for this time of year?	Yes X	No	(If no, e	xplain in Remarks.	.)
Are Vegetation	, Soil	, or Hydrology	significantly disturbed	? Are "Norn	nal Circumstance	s" prese	nt? Yes <u>X</u>	No
Are Vegetation	, Soil	, or Hydrology	naturally problematic?	(If needed	l, explain any an	swers in	Remarks.)	
SUMMARY OF	FINDINGS	– Attach site r	nap showing sampli	ng point locat	ions, transec	ts, imp	portant feature	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	ires 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 ap	pply)	Surface Soil Cracks (B6)			
Surface Water (A1)Water-Staine	d Leaves (B9)	Drainage Patterns (B10)			
High Water Table (A2) Aquatic Faun	a (B13)	Moss Trim Lines (B16)			
Saturation (A3) Marl Deposits	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Su	Crayfish Burrows (C8)				
Sediment Deposits (B2) Oxidized Rhiz	cospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3) Presence of F	Reduced Iron (C4)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4) Recent Iron F	eduction in Tilled Soils (C6)	Geomorphic Position (D2)			
Iron Deposits (B5) Thin Muck Su	rface (C7)	? Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7) Other (Explai	n in Remarks)	Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B8)	·	FAC-Neutral Test (D5)			
Field Observations:					
Surface Water Present? Yes No X Dep	h (inches):				
	h (inches):				
	· /	nd Hydrology Present? Yes No X			
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if	available:			
	······, F·····, ·····, ····, ····, ····,				
Remarks:					
Fringe to narrow stream (G-S-AA)					

Sampling Point: G-P-Up

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Pinus strobus	30	Yes	FACU	
2. Acer saccharum	20	Yes	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:0(A)
3.				
4.				Total Number of DominantSpecies Across All Strata:5(B)
5.				Descent of Deminent Species
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (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				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. Solidago juncea	15	Yes	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Centaurea stoebe	15	Yes	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				<b>Tree</b> – 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: 15')				Woody vines – All woody vines greater than 3.28 ft in
1. Parthenocissus quinquefolia	5	Yes	FACU	height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
	5	=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Profile Desc	ription: (Describe	to the dep	oth needed to doc	ument tl	he indica	tor or co	onfirm the absence o	of indicators	i.)	
Depth	Matrix		Redo	x Featu	res					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	s
		·								
		·								
		·								
		·								
		·								
		·								
		·								
	oncentration, D=Dep	letion RM	=Reduced Matrix	MS=Mas	ked Sand	Grains	<sup>2</sup> Location:	PL=Pore Lini	na M=Matr	iv
Hydric Soil				10-11183	Keu Gand			for Problem	-	
-					00 (50) (				-	
Histosol			Polyvalue Belo		Ce (30) (I	LKK K,		uck (A10) (L Drairia Daday		
	bipedon (A2)		MLRA 149E	,				Prairie Redox		
	stic (A3)		Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) ( High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (							
	n Sulfide (A4)							ue Below Su		
	Layers (A5)		Loamy Mucky			<b>ΚΚ, L</b> )		ark Surface (S		
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			-		(LRR K, L, R)
	ark Surface (A12)		Depleted Matr						-	) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark S						-	4 <b>A, 145, 149B</b> )
	Bleyed Matrix (S4)		Depleted Dark		• •			rent Material		
	ledox (S5)		Redox Depres	-	8)			nallow Dark S		2)
Stripped	Matrix (S6)		Marl (F10) ( <b>LF</b>	RR K, L)			Other (I	Explain in Re	emarks)	
Dark Su	rface (S7)									
<sup>3</sup> Indicators o	f hydrophytic vegetat	tion and w	etland hydrology m	ust be pi	resent, ur	nless dist	urbed or problematic.			
Restrictive	Layer (if observed):									
Type:	bedro	ock								
Depth (ii	nches):	1					Hydric Soil Prese	ent?	Yes	No <u>X</u>
	,						5			
Remarks:										
No soil hole	possible due to shall	ow organie	and mineral laver	over col	oble and I	pedrock				
		en ergann	o ana minorana jor							



Project/Site: CHPE -	- Route 22 - Whitehall Se	ection		City/County: Washir	igton	Sa	ampling Date: 1	0/08/21		
Applicant/Owner:	CHPE				State:	NY	Sampling Point:	G-N-Wet		
Investigator(s): KW, I	KS			Section, To	wnship, Range: <u>V</u>	Vhitehall				
Landform (hillside, terr	race, etc.): Roadside		Local relief (concave, convex, none): Concave Slope %: 0							
Subregion (LRR or ML	RA): LRR R, MLRA 1	42 Lat:	43°,34',30.55"N	Long:	73°,26',11.64"W	,	Datum:			
Soil Map Unit Name: Vergennes Silty Clay Loam NWI classification: PEM (wet meadow)										
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)										
re Vegetation, Soil, or Hydrologysignificantly disturbed? Are "Normal Circumstances" present? Yes X No										
Are Vegetation	, Soil, or Hydro	ogy	naturally problema	tic? (If needed	d, explain any ans	swers in R	emarks.)			
SUMMARY OF F	INDINGS – Attach	site maj	p showing sam	pling point locat	ions, transec	ts, impo	ortant feature	etc.		
Hydrophytic Vegetati	on Present?	Yes X	No	Is the Sampled A	rea					
Hydric Soil Present?		Yes X	No	within a Wetland	? Yes	<u> </u>	No			
Wetland Hydrology P	Present?	Yes X	No	If yes, optional We	tland Site ID:					
Remarks: (Explain a	Iternative procedures he	re or in a s	separate report.)							

Wetland Hydrology Indicat	tors:				Secondary Indicators (minimum of two required)			
Primary Indicators (minimum	n of one is requir	ed; check all	that apply)		Surface Soil Cracks (E	36)		
Surface Water (A1)		X Water	Stained Leaves (B9)		X Drainage Patterns (B1	0)		
High Water Table (A2)		Aquati	c Fauna (B13)		Moss Trim Lines (B16)			
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)		Hydro	gen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)		Oxidiz	ed Rhizospheres on Living R	oots (C3)	Saturation Visible on A	Aerial Imagery (C9)		
Drift Deposits (B3)		Preser	nce of Reduced Iron (C4)		Stunted or Stressed P	lants (D1)		
Algal Mat or Crust (B4)		Recen	t Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (	(D2)		
Iron Deposits (B5)		Thin M	luck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Ae	erial Imagery (B7		Microtopographic Relie	ef (D4)				
Sparsely Vegetated Cor	ncave Surface (E	38)			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): 6	Wetlan	nd Hydrology Present?	Yes X No		
(includes capillary fringe)								
Describe Recorded Data (st	ream gauge, mo	nitoring well,	aerial photos, previous inspe	ections), if a	available:			
Demender								
Remarks:								

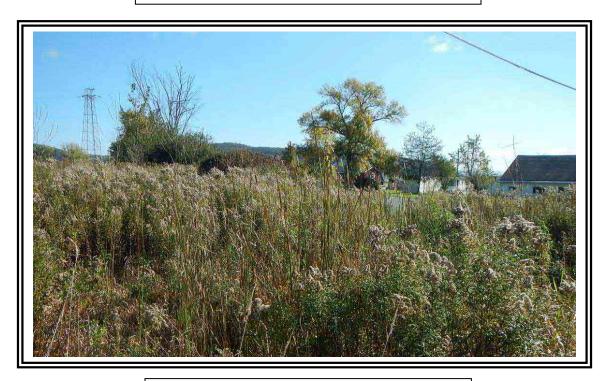
Sampling Point: G-N-Wet

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	10	Yes	FAC	Number of Dominant Species
2.				That Are OBL, FACW, or FAC: <u>3</u> (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:
	10	=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')				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	50	Yes	FACW	3 - Prevalence Index is $\leq 3.0^1$
2. Typha latifolia	30	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Lythrum salicaria	10	No	OBL	data in Remarks or on a separate sheet)
4. Symphyotrichum racemosum	5	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10 11.				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11				
12.	95	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15")				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the dep	th needed to docι	ument th	ne indica	tor or c	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 2/2	100						
6-14	10YR 2/1	97	7.5YR 5/4	3	с	М	Mucky Loam/Clay	Prominent redox concentrations
							i	
							<b>_</b>	
·								
		··········						
<sup>1</sup> Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	<sup>2</sup> Location: PL	_=Pore Lining, M=Matrix.
Hydric Soil I	Indicators:						Indicators fo	r Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)	_	Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muo	ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	ipedon (A2)		MLRA 149B	)			? Coast Pra	airie Redox (A16) ( <b>LRR K, L, R</b> )
Black His	stic (A3)	-	Thin Dark Surf		-		149B) 5 cm Muo	cky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydroge	n Sulfide (A4)	-	High Chroma S	Sands (S	611) ( <b>LRF</b>	R K, L)	Polyvalue	e Below Surface (S8) ( <b>LRR K, L</b> )
	I Layers (A5)	-	Loamy Mucky			R K, L)		k Surface (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			ganese Masses (F12) ( <b>LRR K, L, R</b> )
	ark Surface (A12)	-	Depleted Matri					t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
	lucky Mineral (S1)	-	X Redox Dark Su	•	,			odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)	-	Depleted Dark					ent Material (F21)
	edox (S5)	-	Redox Depress		8)			Ilow Dark Surface (F22)
	Matrix (S6)	-	Marl (F10) ( <b>LR</b>	R K, L)			Other (E)	(plain in Remarks)
Dark Sur	face (S7)							
<sup>3</sup> Indicators of	f hydrophytic yeaetat	ion and we	atland hydrology m	ist ha nr	econt ur	aloss dist	turbed or problematic.	
	_ayer (if observed):		and hydrology me	ist be pi	coont, ui	1033 013		
Type:								
Depth (ir	choc):						Hydric Soil Presen	t? Yes X No
							Hyunc Son Fresen	t? Yes <u>X</u> No
Remarks:	un in un vie and fue un Nie	ي ا مع مع مع	and North cost Dovi				0.0 to include the NDC	C Field Indiantana of Lludvia Caila
	2015 Errata. (http://w							S Field Indicators of Hydric Soils,
	Lo lo Ellada. (Intp.//		oud.gov/momot/			0/11/00/11	2p2_001200.000x)	



Wetland G-N- View facing East



Wetland G-N- View facing East

Phase 1

# SITE PHOTOGRAPHS

**Champlain Hudson Power Express** 

Project/Site: CHPE	- Route 22 -	Whitehall Sectior	1	City	County: Washin	gton			Sampling Date: 1	0/08/21
Applicant/Owner:	CHPE					Sta	te: <u>N</u>	IY	Sampling Point:	G-N-Up
Investigator(s): KW	, KS				Section, Tov	vnship, Rang	e: Whit	tehall		
Landform (hillside, te	errace, etc.):	Roadside		Local relief	(concave, conve	k, none): <u>Co</u>	ncave		Slope 9	%: <u>0</u>
Subregion (LRR or M	/ILRA): LRR	R, MLRA 142	Lat:	43°,34',30.55"N	Long:	73°,26',11.6	4"W		Datum:	
Soil Map Unit Name	Vergennes	Silty Clay Loam				NWI cla	ssificati	ion:	None	
Are climatic / hydrolo	ogic conditions	s on the site typic	al for	this time of year?	Yes X	No	(If r	no, ex	kplain in Remarks.)	)
Are Vegetation	, Soil	, or Hydrology		significantly disturbed?	Are "Norm	al Circumsta	nces" p	oresei	nt? Yes <u>X</u> N	No
Are Vegetation	, Soil	, or Hydrology		naturally problematic?	(If needed	, explain any	answe	ers in l	Remarks.)	
SUMMARY OF		– Attach site	map	showing sampling	g point locati	ons, trans	sects,	imp	ortant feature	s, etc.

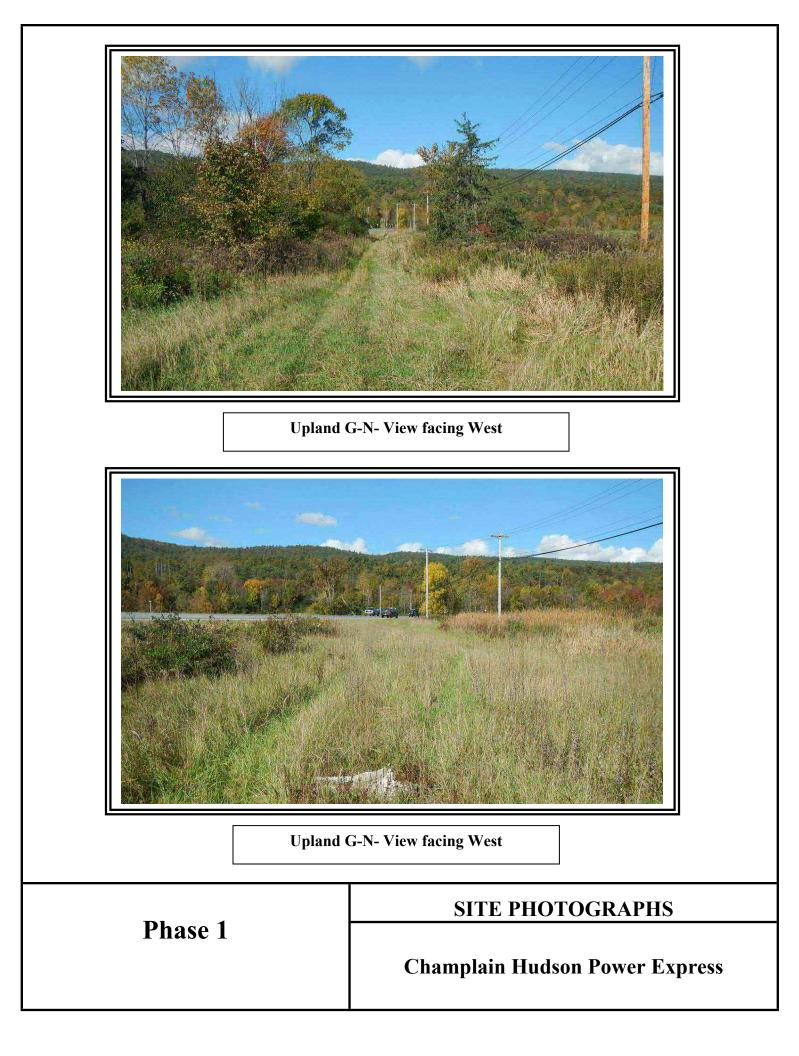
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

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)		Drainage Patterns (B10)			
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16)			
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living F	Roots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)		Presen	ice of Reduced Iron (C4)		Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soi	ils (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)	uck Surface (C7)	Shallow Aquitard (D3)						
Inundation Visible on A	erial 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):	Wetlar	nd Hydrology Present?	Yes No X		
(includes capillary fringe)			· · · · <u> </u>					
Describe Recorded Data (st	ream gauge, mo	onitoring well,	aerial photos, previous insp	ections), if	available:			
Remarks:								

Sampling Point: G-N-Up

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer negundo	15	Yes	FAC	Number of Dominant Species
2.				That Are OBL, FACW, or FAC: 2 (A)
3.				Total Number of Dominant
4.				Species Across All Strata: 5 (B)
5.				Barcont of Deminent Creation
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species         x 1 =
1. Rhus typhina	10	Yes	UPL	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:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5')				2 - Dominance Test is >50%
1. Solidago juncea	25	Yes	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Daucus carota	20	Yes	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
				data in Remarks or on a separate sheet)
4			1401	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	65	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15")				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes No <u>X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	oth needed to docu	ument ti	ne indica	tor or co	onfirm the absence of	f indicators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	R	Remarks
0-12	10YR 4/3	100							
	101R 4/3	100					Loamy/Clayey		
							·		
<sup>1</sup> Type: C=Co	ncentration, D=Depl	etion, RM	Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	<sup>2</sup> Location: P	L=Pore Lining, N	/I=Matrix.
Hydric Soil I	ndicators:						Indicators for	or Problematic	Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) ( <b>I</b>	_RR R,	2 cm Mu	ck (A10) ( <b>LRR I</b>	K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B	)			Coast Pr	airie Redox (A1	6) ( <b>LRR K, L, R</b> )
Black His	tic (A3)		Thin Dark Surfa	ace (S9)	) (LRR R	MLRA 1	<b>49B</b> ) 5 cm Mu	cky Peat or Pea	t (S3) ( <b>LRR K, L, R</b> )
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	611) ( <b>LRF</b>	R K, L)	Polyvalu	e Below Surface	e (S8) ( <b>LRR K, L</b> )
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LRI</b>	R K, L)	Thin Dar	k Surface (S9) (	LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mar	iganese Masses	(F12) ( <b>LRR K, L, R</b> )
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmon	t Floodplain Soi	ls (F19) ( <b>MLRA 149B</b> )
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Sp	odic (TA6) ( <b>ML</b>	RA 144A, 145, 149B)
Sandy G	eyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	ent Material (F2	1)
	edox (S5)		Redox Depress					allow Dark Surfa	
	Matrix (S6)		Marl (F10) (LR	R K, L)	,			xplain in Remarl	
	face (S7)			. ,			、		,
<sup>3</sup> Indicators of	hydrophytic vegetat	ion and w	etland hydrology mu	ust be pr	resent, ur	less dist	urbed or problematic.		
	ayer (if observed):		, ,,				•		
Type:	<b>.</b> . ,								
Depth (in	ches):						Hydric Soil Preser	nt? Yes	No X
	cnes).						Thyunc Son Preser	10: 103	
Remarks:	· · · · · · · · · · · ·					., .			
	n is revised from No 2015 Errata. (http://w						2.0 to include the NRC	S Field Indicato	rs of Hydric Soils,
		///////////////////////////////////////	usua.gov/internet/rs			5/1105142	2p2_031293.000x)		



Project/Site: CHPE ·	- Route 22 - \	Whitehall Section			City/Count	ty: Washin	gton		Samp	ling Date: 1	0/08/21
Applicant/Owner:	CHPE						St	ate: N	Y Sam	npling Point:	G-O-Wet
Investigator(s): KW, I	KS				S	ection, To	wnship, Ran	ge: White	ehall		
Landform (hillside, terr	race, etc.):	Roadside ditch		Loca	l relief (conca	ave, conve	x, none): <u>Co</u>	oncave		Slope	%: 0
Subregion (LRR or ML	_RA): <u>LRR</u>	R, MLRA 142	Lat:	43°,34',31.27"N		Long:	73°,26',14.	86"W	<u> </u>	Datum:	
Soil Map Unit Name:	Vergennes :	Silty Clay Loam					NWI cl	assificatio	on: <u>PEM</u>	(wet meadow	w/ditch)
Are climatic / hydrolog	ic conditions	on the site typica	al for t	this time of year?		Yes X	No	(lf n	o, explain	in Remarks.	.)
Are Vegetation	, Soil	, or Hydrology		significantly distu	ırbed?	Are "Norn	nal Circumst	ances" pr	resent?	Yes X	No
Are Vegetation	, Soil	, or Hydrology		naturally problem	natic?	(If needed	l, explain an	y answer	s in Rema	arks.)	
SUMMARY OF F	INDINGS -	- Attach site	map	showing san	npling poi	int locat	ions, tran	sects,	importa	int feature	etc.
Hydrophytic Vegetati	on Present?	Yes	х	No	Is the S	ampled A	rea				
Hydric Soil Present?		Yes	Х	No	within a	Wetland	?	Yes X	No		
Wetland Hydrology F	'resent?	Yes	Х	No	If yes, o	ptional We	tland Site ID	):			
Remarks: (Explain a	Iternative pro	cedures here or	in a s	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)		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 R	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	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	8)		X 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 A Deptil (inches).				
Saturation Present? Yes X	No Depth (inches): 10	Wetlan	d Hydrology Present? Yes X No		
		Wetlan	d Hydrology Present? Yes X No		
Saturation Present? Yes X	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		
Saturation Present?     Yes     X       (includes capillary fringe)	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		
Saturation Present?     Yes     X       (includes capillary fringe)	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		
Saturation Present?     Yes     X       (includes capillary fringe)	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 10		· · · · · · · · · · · · · · · · · · ·		

Sampling Point: G-O-Wet

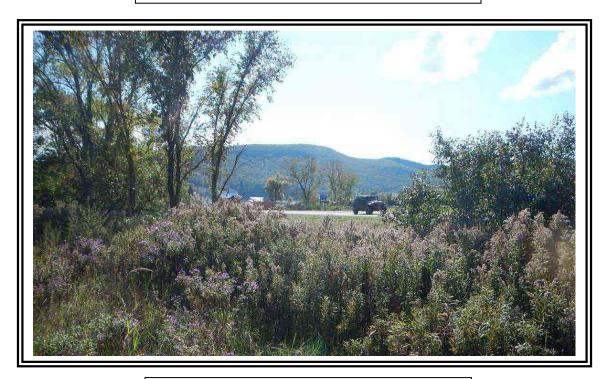
1.	(A) (B) (A/B)
4.	( )
6.	(A/B)
7. Prevalence Index worksheet: Total % Cover of: Multiply by:	_
=Total Cover Total % Cover of: Multiply by:	_
	- 1
1.         FACW species         x 2 =	_
2 FAC species x 3 =	
3. FACU species x 4 =	_
4. UPL species x 5 =	_
5 Column Totals: (A)	(B)
6. Prevalence Index = B/A =	-
7. Hydrophytic Vegetation Indicators:	
=Total Cover 1 - Rapid Test for Hydrophytic Vegetation	
Herb Stratum (Plot size: 5') X 2 - Dominance Test is >50%	
1. <i>Typha latifolia</i> 50 Yes OBL 3 - Prevalence Index is ≤3.0 <sup>1</sup>	
2. <i>Lythrum salicaria</i> 35 Yes OBL 4 - Morphological Adaptations <sup>1</sup> (Provide sup	porting
3. <i>Symphyotrichum racemosum</i> 10 No FACW data in Remarks or on a separate sheet)	
4. Problematic Hydrophytic Vegetation <sup>1</sup> (Expla	n)
5. Indicators of hydric coil and watland hydrology r	auat
6.          1Indicators of hydric soil and wetland hydrology r         be present, unless disturbed or problematic.	iust
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 h	eight.
10. Septime/shruth Weady plants less than 2 in D	-
10.       Sapling/shrub – Woody plants less than 3 in. D         11.       and greater than or equal to 3.28 ft (1 m) tall.	חנ
12 Herb – All herbaceous (non-woody) plants, rega	dlaga
<u>95</u> =Total Cover of size, and woody plants less than 3.28 ft tall.	uless
Woody Vine Stratum         (Plot size:)           Woody vines – All woody vines greater than 3.2	8 ft in
1 height	
2 Hydrophytic	
<sup>3.</sup> Vegetation	
4 Present? Yes X No	
=Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)	

## SOIL

Profile Desc	ription: (Describe t	o the de	pth needed to docu	iment th	he indica	tor or c	onfirm the absence o	of indicators.)
Depth	Matrix		Redox	k Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 3/2	98	10YR 5/6	2	С	М	Mucky Loam/Clay	Prominent redox concentrations
6-14	10YR 3/1	95	10YR 6/6	5	С	М	Mucky Loam/Clay	Prominent redox concentrations
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion RM		IS=Mas	ked San	Grains	<sup>2</sup> Location:	PL=Pore Lining, M=Matrix.
Hydric Soil								for Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belov	w Surfa	ce (S8) (	LRR R,		uck (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	ipedon (A2)		MLRA 149B)	)			? Coast F	Prairie Redox (A16) ( <b>LRR K, L, R</b> )
Black His	stic (A3)		Thin Dark Surfa	ace (S9)	) (LRR R	, MLRA	149B)5 cm M	ucky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) ( <b>LRI</b>	R K, L)	Polyval	ue Below Surface (S8) ( <b>LRR K, L</b> )
Stratified	Layers (A5)		Loamy Mucky N	Mineral	(F1) ( <b>LR</b>	<b>R K, L</b> )	Thin Da	ark Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Ma	nganese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Da	rk Surface (A12)		Depleted Matrix				Piedmo	nt Floodplain Soils (F19) ( <b>MLRA 149B</b> )
	ucky Mineral (S1)		X Redox Dark Su		-		Mesic S	Spodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark					rent Material (F21)
	edox (S5)		Redox Depress	`	8)			nallow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LRI</b>	<b>R K, L</b> )			Other (I	Explain in Remarks)
Dark Sur	face (S7)							
<sup>3</sup> Indicators of	hvdrophytic vegetat	ion and w	etland hvdrologv mu	ist be pr	resent. ur	nless dis	turbed or problematic.	
	ayer (if observed):		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,			
Type:								
Depth (ir	nches):						Hydric Soil Prese	ent? Yes <u>X</u> No
Remarks:								
	m is revised from No 2015 Errata. (http://w		0					CS Field Indicators of Hydric Soils,
	2015 Ellata. (http://w	ww.mcs.				0/11/03 1-	izpz_001290.000x)	



Wetland G-O- View facing Southwest



Wetland G-O- View facing South

Phase 1

# SITE PHOTOGRAPHS

Project/Site: CHPE -	Route 22 - W	hitehall Section	City/	County: Washing	ton		Sampling Date: 1	0/08/21
Applicant/Owner:	CHPE		Sampling Point:	G-O-Up				
Investigator(s): KW, I	KS			Section, Tow	nship, Range: <u>V</u>	Vhiteha	II	
Landform (hillside, terr	race, etc.):	Roadside ditch	Local relief	(concave, convex	, none): <u>Concav</u>	/e	Slope 9	%: <u>0</u>
Subregion (LRR or ML	RA): LRR F	R, MLRA 142	_at: <u>43°,34',31.27"N</u>	Long:	73°,26',14.86"W	1	Datum:	
Soil Map Unit Name:	Vergennes S	ilty Clay Loam			NWI classifi	cation:	None	
Are climatic / hydrolog	ic conditions o	on the site typical	for this time of year?	Yes X	No	(lf no, e	explain in Remarks.)	)
Are Vegetation	, Soil	, or Hydrology	significantly disturbed?	Are "Norma	al Circumstance	s" pres	ent? Yes X N	No
Are Vegetation	, Soil	, or Hydrology	naturally problematic?	(If needed,	explain any ans	swers ir	n Remarks.)	
SUMMARY OF F	INDINGS –	Attach site n	nap showing sampling	g point locatio	ons, transec	ts, im	portant feature	s, etc.

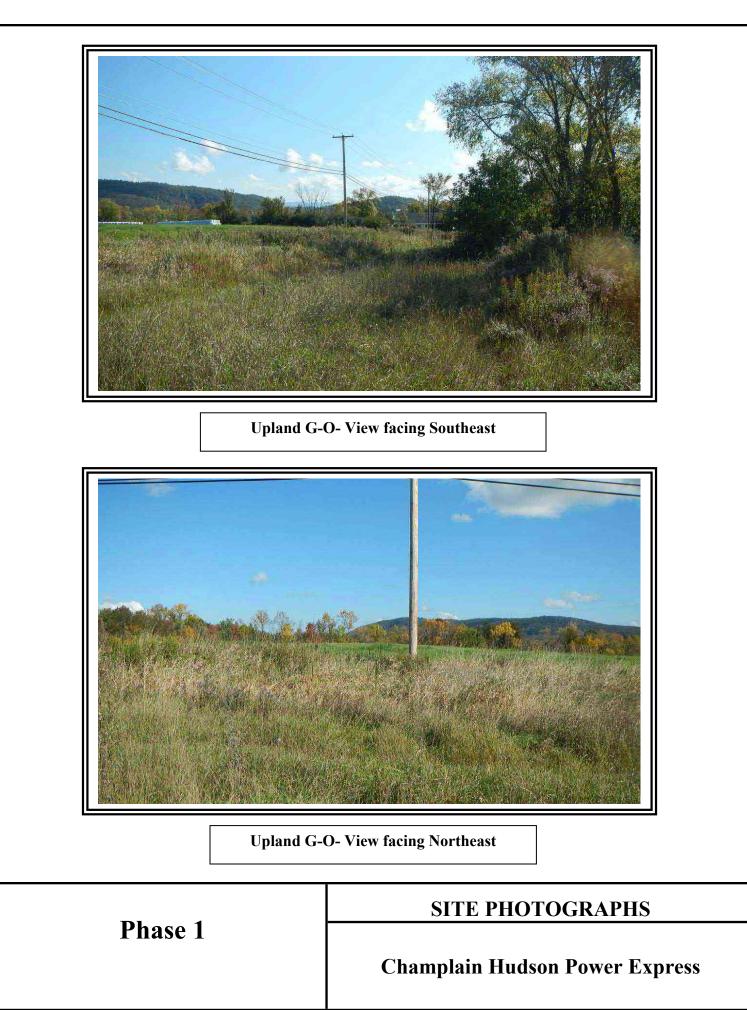
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

	Secondary Indicators (minimum of two required)			
ed; check all that apply)	Surface Soil Cracks (B6)			
Water-Stained Leaves (B9)	Drainage Patterns (B10)			
Aquatic Fauna (B13)	Moss Trim Lines (B16)			
Marl Deposits (B15)	Dry-Season Water Table (C2)			
Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)			
Oxidized Rhizospheres on Living Root	ts (C3) Saturation Visible on Aerial Imagery (C9)			
Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)			
Recent Iron Reduction in Tilled Soils (	C6) Geomorphic Position (D2)			
gal Mat or Crust (B4)     Recent Iron Reduction in Tilled Soils (C6)       on Deposits (B5)     Thin Muck Surface (C7)				
) Other (Explain in Remarks)	Microtopographic Relief (D4)			
8)	X FAC-Neutral Test (D5)			
No X Depth (inches):				
No X Depth (inches):				
No X Depth (inches):	Wetland Hydrology Present? Yes No X			
nitoring well, aerial photos, previous inspecti	ons), if available:			
	Water-Stained Leaves (B9)         Aquatic Fauna (B13)         Marl Deposits (B15)         Hydrogen Sulfide Odor (C1)         Oxidized Rhizospheres on Living Root         Presence of Reduced Iron (C4)         Recent Iron Reduction in Tilled Soils (in Thin Muck Surface (C7)         Other (Explain in Remarks)         8)         No       X         Depth (inches):         No       X         Depth (inches):         No       X         Depth (inches):			

Sampling Point: G-O-Up

<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: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: <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 10 x 1 = 10
1.				FACW species 35 x 2 = 70
2.				FAC species $0 \times 3 = 0$
3				FACU species 25 x 4 = 100
4.				UPL species 0 x 5 = 0
5.				Column Totals: 70 (A) 180 (B)
6.				Prevalence Index = $B/A = 2.57$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Solidago altissima	25	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Phalaris arundinacea	20	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Lythrum salicaria	10	No	OBL	data in Remarks or on a separate sheet)
4. Phragmites australis	10	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Symphyotrichum novae-angliae	5	No	FACW	
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11				
	70	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum         (Plot size:)           1.				<b>Woody vines</b> – 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 separ	rate sheet.)			•

Profile Des	cription: (Describe	to the de	oth needed to docu	ument t	he indica	tor or co	onfirm the absence of ind	licators.)
Depth	Matrix			x Featu	,			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 5/2	100			·		Loamy/Clayey	
6-14	10YR 4/2	100					Loamy/Clayey	
1								
					·			
					·			
					·			
					·			
	<u></u>							
1- 0.0					. <u> </u>			
	Concentration, D=Dep	pletion, RM	Reduced Matrix, N	/IS=Mas	sked Sand	Grains.		ore Lining, M=Matrix.
Hydric Soli Histoso	Indicators:		Polyvalue Belo	w Surfa	nce (S8) (I			roblematic Hydric Soils <sup>3</sup> : A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		Polyvalde Beld		ice (30) (L	.nn n,		e Redox (A16) ( <b>LRR K, L, R</b> )
	listic (A3)		Thin Dark Surf	,	) (LRR R.	MLRA <sup>·</sup>		Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	en Sulfide (A4)		High Chroma S					elow Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky					urface (S9) (LRR K, L)
Deplete	d Below Dark Surfac	e (A11)	Loamy Gleyed	Matrix (	(F2)		Iron-Mangan	ese Masses (F12) (LRR K, L, R)
Thick D	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Flo	oodplain Soils (F19) ( <b>MLRA 149B</b>
Sandy I	Mucky Mineral (S1)		Redox Dark Su	urface (F	=6)		Mesic Spodi	c (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	Gleyed Matrix (S4)		Depleted Dark		` '			Material (F21)
	Redox (S5)		Redox Depres	``	,			/ Dark Surface (F22)
	d Matrix (S6)		Marl (F10) ( <b>LR</b>	<b>R K, L</b> )			Other (Expla	in in Remarks)
Dark St	urface (S7)							
<sup>3</sup> Indicators (	of hydrophytic yeaeta	tion and w	etland bydrology m	ist ha n	recent un	loce diet	urbed or problematic	
	Layer (if observed)		elland hydrology m	ust be p	resent, un	1633 0130	urbed or problematic.	
Type:		•						
	inches):						Hydric Soil Present?	Yes No X
Remarks: This data fo	rm is revised from No	orthcentral	and Northeast Red	ional Su	Innlement	Version	2.0 to include the NRCS F	ield Indicators of Hydric Soils,
	, 2015 Errata. (http://							
			-	_				



Project/Site: CHPE - R	oute 22 - V	Whitehall Section City/County: Washington Sampling Date: 10/08/21								
Applicant/Owner: C	HPE					State:	NY	Sampling Point:	G-L-Wet	
Investigator(s): KW, KS					Section, To	wnship, Range:	Whiteha	all		
Landform (hillside, terrac	;e, etc.):	Lakeside (Toesl	lope)	Local re	Local relief (concave, convex, none): Concave Slope					
Subregion (LRR or MLR	A): <u>LRR</u>	R, MLRA 142	Lat:	43,34,25.55N	Long:	73,26,01.35W		Datum:		
Soil Map Unit Name: S	aprists					NWI class	ification:	: L2AB		
Are climatic / hydrologic	conditions	on the site typica	al for f	this time of year?	Yes X	No	(If no,	explain in Remarks	s.)	
Are Vegetation,	Soil	, or Hydrology		significantly disturb	ed? Are "Norr	nal Circumstanc	es" pres	sent? Yes X	No	
Are Vegetation,	Soil	, or Hydrology		naturally problemat	tic? (If needed	d, explain any ar	nswers i	n Remarks.)		
SUMMARY OF FIN	DINGS -	- Attach site	map	showing samp	oling point locat	ions, transe	cts, in	oportant feature	es, etc.	
Hydrophytic Vegetation	Present?	Yes	х	No	Is the Sampled A	rea				
Hydric Soil Present?		Yes	Х	No	within a Wetland	? Yes	s_X_	No		
Wetland Hydrology Pres	sent?	Yes	Х	No	If yes, optional We	atland Site ID:				

Remarks: (Explain alternative procedures 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 (E	36)			
X Surface Water (A1)			Wate	r-Stained Leaves (B9)			Drainage Patterns (B10)			
X High Water Table (A2)			Aqua	tic Fauna (B13)			Moss Trim Lines (B16)	)		
Saturation (A3)			Marl	Deposits (B15)			Dry-Season Water Table (C2)			
Water Marks (B1)			Hydro	ogen Sulfide Odor (C1)			Crayfish Burrows (C8)			
Sediment Deposits (B2)			Oxidi	zed Rhizospheres on Li	ving Roc	ots (C3)	Saturation Visible on A	Aerial Imagery (C9)		
Drift Deposits (B3)			Prese	ence of Reduced Iron (C	24)		Stunted or Stressed P	lants (D1)		
Algal Mat or Crust (B4)			Rece	nt Iron Reduction in Till	ed Soils	(C6)	Geomorphic Position (	(D2)		
Iron Deposits (B5)			Thin	Muck Surface (C7)			Shallow Aquitard (D3)			
Inundation Visible on Ae	erial Im	agery (	B7) Other	<sup>-</sup> (Explain in Remarks)			Microtopographic Relie	ef (D4)		
Sparsely Vegetated Cor	icave S	Surface	(B8)				X FAC-Neutral Test (D5)	)		
Field Observations:										
Surface Water Present?	Yes	Х	No	Depth (inches):	6					
Water Table Present?	Yes	Х	No	· · · · <u>· · · · · · · · · · · · · · · </u>	0					
Saturation Present?	Yes	Х	No	Depth (inches):	2	Wetlan	d Hydrology Present?	Yes X No		
(includes capillary fringe)	-									
Describe Recorded Data (st	ream g	auge, r	nonitoring wel	l, aerial photos, previou	s inspec	tions), if a	vailable:			
	•	•	•			,				
Remarks:										
Remarks:										
Remarks:										
Remarks:										
Remarks:										
Remarks:										
Remarks:										
Remarks:										
Remarks:										

Sampling Point: G-L-Wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.     Acer saccharinum       2.	20	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A)
3				Total Number of Dominant Species Across All Strata: <u>6</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>83.3%</u> (A/B)
7				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1. Cephalanthus occidentalis	5	Yes	OBL	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:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Acorus calamus	25	Yes	OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Pontederia cordata	10	No	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Nuphar advena	5	No	OBL	data in Remarks or on a separate sheet)
4. Xanthium stumarium	10	No		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Lythrum salicaria	20	Yes	OBL	
6. Bidens frondosa	25	Yes	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Typha latifolia	5	No	OBL	Definitions of Vegetation Strata:
8.				
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12			. <u> </u>	Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15')				Woody vines – All woody vines greater than 3.28 ft in
1. Parthenocissus quinquefolia	5	Yes	FACU	height.
2				Linder wheatin
3				Hydrophytic Vegetation
4				Present? Yes X No
	5	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Depth	Matrix	-		x Featu			onfirm the absence o	
(inches) Co	olor (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
<u> </u>	· · ·		· · · ·					
0-10 1	10YR 5/1	95	10YR 5/8	5	C	М	Mucky Loam/Clay	Prominent redox concentrations
<sup>1</sup> Type: C=Concentr	ation, D=Depl	etion, RM	=Reduced Matrix, N	//S=Mas	ked San	d Grains.		L=Pore Lining, M=Matrix.
Hydric Soil Indicat	ors:						Indicators for	or Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)			Polyvalue Belo	ow Surfa	ce (S8) (	LRR R,	2 cm Mu	ick (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epipedon			MLRA 149B	,				rairie Redox (A16) ( <b>LRR K, L, R</b> )
Black Histic (A3	-		Thin Dark Surf					icky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydrogen Sulfic			High Chroma S					ie Below Surface (S8) ( <b>LRR K, L</b> )
Stratified Layers			Loamy Mucky			R K, L)		rk Surface (S9) ( <b>LRR K, L</b> )
Depleted Below		(A11)	Loamy Gleyed		(F2)			nganese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Dark Surf			X Depleted Matri					nt Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy Mucky M			Redox Dark Si	•	,			podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy Gleyed N			Depleted Dark		• •			ent Material (F21)
Sandy Redox (S	-		? Redox Depres	•	8)			allow Dark Surface (F22)
Stripped Matrix			Marl (F10) ( <b>LR</b>	(R K, L)				xplain in Remarks)
Dark Surface (S	57)							
<sup>3</sup> Indicators of hydror	nhytic vegetati	on and w	etland bydrology m	ust he n	recent u	aloss dist	urbed or problematic.	
Restrictive Layer (			edand nydrology m	usi be pi	iesent, ui	11633 0131		
Type:								
Depth (inches):							Hydric Soil Prese	nt? Yes X No



Wetland G-L- View facing Southwest



Wetland G-L- View facing Southeast

Phase 1

## SITE PHOTOGRAPHS

Project/Site: CHPE	- Route 22 - V	Vhitehall Section	1	City/C	ounty: Washin	gton		Sampling Date: 1	0/08/21
Applicant/Owner:	CHPE					State:	NY	Sampling Point:	G-L-Up
Investigator(s): KW,	KS				Section, Tov	vnship, Range:	Whiteha	all	
Landform (hillside, ter	race, etc.):	Lakeside (Toes	lope)	Local relief (d	concave, conve	x, none): <u>Conca</u>	ve	Slope S	%: 3
Subregion (LRR or MI	LRA): LRR I	R, MLRA 142	Lat:	43°,34',25.55"N	Long:	73°,26',01.35"V	V	Datum:	
Soil Map Unit Name:	Saprists					NWI classi	fication	None	
Are climatic / hydrolog	gic conditions	on the site typica	al for t	his time of year?	Yes X	No	(If no,	explain in Remarks.	)
Are Vegetation	, Soil	, or Hydrology		significantly disturbed?	Are "Norm	al Circumstance	es" pres	sent? Yes <u>X</u> I	No
Are Vegetation	, Soil	, or Hydrology		naturally problematic?	(If needed	, explain any an	swers i	n Remarks.)	
SUMMARY OF F	INDINGS -	Attach site	map	showing sampling	point locati	ons, transed	cts, in	nportant feature	es, etc.

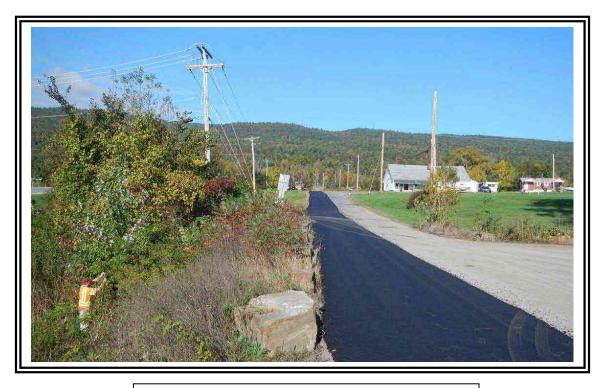
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is req	uired; 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)	Crayfish Burrows (C8)					
Sediment Deposits (B2)	ts (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	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 (	Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)					
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, r	nonitoring well, aerial photos, previous inspecti	ions), if available:				
Remarks:						

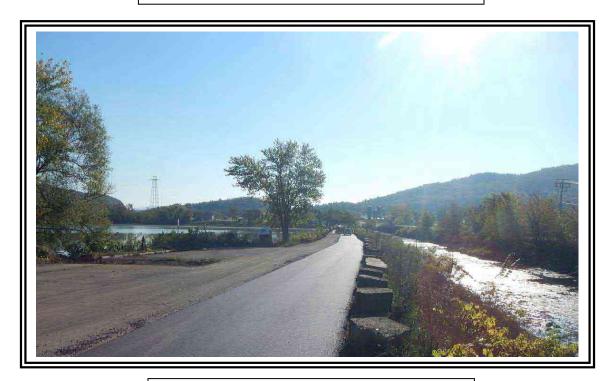
Sampling Point: G-L-Up

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer saccharinum	10	Yes	FACW	
		·	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
	10	Yes	FACU	That Are OBL, FACW, or FAC:3(A)
3		·		Total Number of Dominant
4		·		Species Across All Strata: 7 (B)
5		·		Percent of Dominant Species
6				That Are OBL, FACW, or FAC: <u>42.9%</u> (A/B)
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. Rhus typhina	15	Yes	UPL	FACW species 10 x 2 = 20
2		. <u> </u>		FAC species 15 x 3 = 45
3				FACU species5 x 4 =60
4				UPL species 25 x 5 = 125
5				Column Totals: 65 (A) 250 (B)
6.				Prevalence Index = B/A = 3.85
7.				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5')		•		2 - Dominance Test is >50%
1. Baptisia tinctoria	10	Yes	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Xanthium strumarium	5	Yes	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Phytolacca americana	5	Yes	FACU	data in Remarks or on a separate sheet)
		163	1700	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
		·		
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6		·		be present, unless disturbed or problematic.
7		·		Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9		·		diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11		·		and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	20	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: 15')				Woody vines – All woody vines greater than 3.28 ft in
1. Vitis riparia	10	Yes	FAC	height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes No X
	10	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Des	cription: (Describe	to the de	pth needed to doc	ument ti	he indica	tor or co	onfirm the absence of inc	licators.)
Depth	Matrix			x Featu	res			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	·							
	· · · · · · · · · · · · · · · · · · ·							
	- <u></u>							
	·						· · · · · · · /	
	<u></u>						·	
1							2	
	oncentration, D=Dep	letion, RN	A=Reduced Matrix, N	MS=Mas	ked Sand	d Grains.		ore Lining, M=Matrix.
Hydric Soil					(00) (			roblematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo		ce (S8) (	LRR R,		A10) ( <b>LRR K, L, MLRA 149B</b> )
	pipedon (A2)		MLRA 1498	<i>'</i>				e Redox (A16) ( <b>LRR K, L, R</b> )
	istic (A3)		Thin Dark Surf					Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma					elow Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky			R K, L)		urface (S9) ( <b>LRR K, L</b> )
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			nese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri					oodplain Soils (F19) ( <b>MLRA 149B</b> )
	Mucky Mineral (S1)		Redox Dark S	•	,			c (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	Gleyed Matrix (S4)		Depleted Dark		. ,			Material (F21)
	Redox (S5)		Redox Depres	•	8)			v Dark Surface (F22)
	d Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (Expla	iin in Remarks)
Dark Su	ırface (S7)							
3								
	of hydrophytic vegetat		etland hydrology m	ust be pi	resent, ui	niess disti	urbed or problematic.	
	Layer (if observed):							
Type:	Rock fille							
Depth (i	nches):	3					Hydric Soil Present?	Yes <u>No X</u>
Remarks:								
								ield Indicators of Hydric Soils,
	2015 Errata. (http://v		usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs142	2p2_051293.docx)	
No hole dug	- sideslope of rock ri	p/rap.						
1								



Upland G-L- View facing West



Upland G-L- View facing East

Phase 1

# SITE PHOTOGRAPHS

Project/Site: CHPE - I	Route 22 - N	/hitehall Section			City/County: Washing	igton			Sampling Date:	10/08/21
Applicant/Owner:	CHPE					S	State:	NY	Sampling Point:	: G-M-Wet
Investigator(s): KW, K	S				Section, Tov	wnship, Ra	nge: V	Vhiteha	all	
Landform (hillside, terra	ace, etc.):	Lakeside (Toeslo	ope)	Local r	relief (concave, conve	x, none): <u>C</u>	Conca	/e	Slope	e %: <u>3</u>
Subregion (LRR or MLF	RA): <u>LRR F</u>	R, MLRA 142	Lat:	43,34,26.50N	Long:	73,26,00.	53W		Datum:	
Soil Map Unit Name:	Saprists					NWI d	classifi	cation:	L1UB	
Are climatic / hydrologic	c conditions (	on the site typical	i for t	this time of year?	Yes X	No		(If no,	explain in Remarks	s.)
Are Vegetation,	, Soil	, or Hydrology		significantly disturb	bed? Are "Norm	nal Circums	stance	s" pres	sent? Yes X	No
Are Vegetation,	, Soil	, or Hydrology		naturally problema	tic? (If needed	d, explain a	ny ans	swers ir	n Remarks.)	
SUMMARY OF FIN	NDINGS –	Attach site n	nap	showing sam	pling point locati	ions, tra	nsec	ts, in	portant featur	res, etc.
Hydrophytic Vegetatio	n Present?	Yes	Х	No	Is the Sampled Ar	rea				
Hydric Soil Present?		Yes	Х	No	within a Wetland?	?	Yes	Х	No	
Wetland Hydrology Pro	esent?	Yes	Х	No	If yes, optional We	tland Site I	D: _			

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

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require		Surface Soil Cracks (B6)			
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)		
X High Water Table (A2)	Aquatic Fauna (B13)		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)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	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 (B8	3)		X FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes X	No Depth (inches): 8				
Water Table Present? Yes X	No Depth (inches): 0				
Saturation Present? Yes X	No Depth (inches): 1	Wetlan	d Hydrology Present? Yes X No		
		Wetlan	d Hydrology Present? Yes X No		
Saturation Present? Yes X	No Depth (inches): 1		· · · ·		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 1		· · · ·		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 1		· · · ·		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 1		· · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 1		· · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 1		· · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 1		· · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 1		· · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 1		· · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 1		· · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 1		· · · ·		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 1		· · · ·		

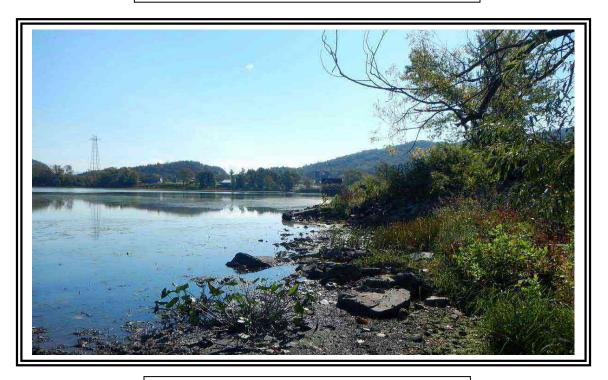
Sampling Point: G-M-Wet

Tree Stratum (Plot size: 30')	Absolute	Dominant	Indicator	Dominance Test worksheet:
/	% Cover	Species?	Status	Dominance Test worksheet:
<ol> <li>Salix nigra</li> <li>Populus deltoides</li> </ol>	<u> </u>	Yes Yes	OBL FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)
	10	Yes	FACW	
3.     Acer saccharinum       4.	10		FACW	Total Number of Dominant         Species Across All Strata:         10         (B)
5 6		·		Percent of Dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)
7.				Prevalence Index worksheet:
	30	=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')				X 2 - Dominance Test is >50%
1. Acorus calamus	25	Yes	OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Pontederia cordata	10	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Nuphar advena	15	Yes	OBL	data in Remarks or on a separate sheet)
4. Xanthium stumarium	10	Yes		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Lythrum salicaria	10	Yes	OBL	
6. Bidens frondosa	10	Yes	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Polygonum sp		·		Definitions of Vegetation Strata:
8.				Trace Weather starts 2 in (7.0 and) as reason in
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				<b>Sapling/shrub</b> – 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
	80	=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. Parthenocissus quinquefolia	5	Yes	FACU	height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
	5	=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)	-		

Depth	Matrix			x Featur			onfirm the absence of	,
(inches) Col	lor (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	<u> </u>		· · · · · ·					
0-12 7.	.5YR 3/1	97	7.5YR 5/6	3	C	M	Mucky Loam/Clay	Prominent redox concentrations
<sup>1</sup> Type: C=Concentra	ation, D=Deple	etion, RM=	Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	<sup>2</sup> Location: Pl	_=Pore Lining, M=Matrix.
Hydric Soil Indicate	ors:							or Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		_	Polyvalue Belo	w Surfa	ce (S8) (l	.RR R,	2 cm Mu	ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epipedon	(A2)	-	MLRA 149B	)			? Coast Pr	airie Redox (A16) ( <b>LRR K, L, R</b> )
Black Histic (A3)	)	_	Thin Dark Surf	ace (S9)	(LRR R	MLRA	149B) 5 cm Mu	cky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydrogen Sulfid	e (A4)	_	High Chroma S	Sands (S	611) ( <b>LRF</b>	R K, L)	Polyvalue	e Below Surface (S8) ( <b>LRR K, L</b> )
Stratified Layers	; (A5)	_	Loamy Mucky	Mineral	(F1) ( <b>LRI</b>	R K, L)	Thin Dar	k Surface (S9) ( <b>LRR K, L</b> )
Depleted Below	Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Man	ganese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Dark Surfa	ace (A12)	-	Depleted Matri	x (F3)			Piedmon	t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy Mucky M		-	X Redox Dark Su	•	,			oodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy Gleyed N		-	Depleted Dark					ent Material (F21)
Sandy Redox (S	-	-	Redox Depres	``	8)			llow Dark Surface (F22)
Stripped Matrix (	. ,	-	Marl (F10) ( <b>LR</b>	<b>R K, L</b> )			Other (Ex	xplain in Remarks)
Dark Surface (S	7)							
3								
		on and we	etland hydrology mu	lst be pr	resent, ur	iless disi	turbed or problematic.	
Restrictive Layer (in	r observed):							
Depth (inches):							Hydric Soil Presen	nt? Yes X No



Wetland G-M- View facing Northwest



Wetland G-M- View facing East

Phase 1

## SITE PHOTOGRAPHS

Project/Site: CHPE	- Route 22 - V	Vhitehall Section		City/County: Washin	gton	:	Sampling Date: 1	0/08/21
Applicant/Owner:	CHPE				State:	NY	Sampling Point:	G-M-Up
Investigator(s): KW,	KS			Section, Tov	wnship, Range:	Whitehall		
Landform (hillside, ter	race, etc.):	Lakeside (Toesl	lope) Loca	l relief (concave, conve	x, none): <u>Conca</u>	ve	Slope	%: 3
Subregion (LRR or MI	_RA): <u>LRR I</u>	R, MLRA 142	Lat: 43°,34',26.50"N	Long:	73°,26',00.53"V	V	Datum:	
Soil Map Unit Name:	Saprists				NWI classi	fication:	None	
Are climatic / hydrolog	jic conditions	on the site typica	al for this time of year?	Yes X	No	(If no, e	xplain in Remarks.	)
Are Vegetation	, Soil	, or Hydrology	significantly distu	rbed? Are "Norm	nal Circumstance	es" prese	nt? Yes <u>X</u> I	No
Are Vegetation	, Soil	, or Hydrology	naturally problem	atic? (If needed	l, explain any an	swers in	Remarks.)	
SUMMARY OF F	INDINGS -	Attach site	map showing san	npling point locat	ions, transed	cts, imp	oortant feature	es, etc.

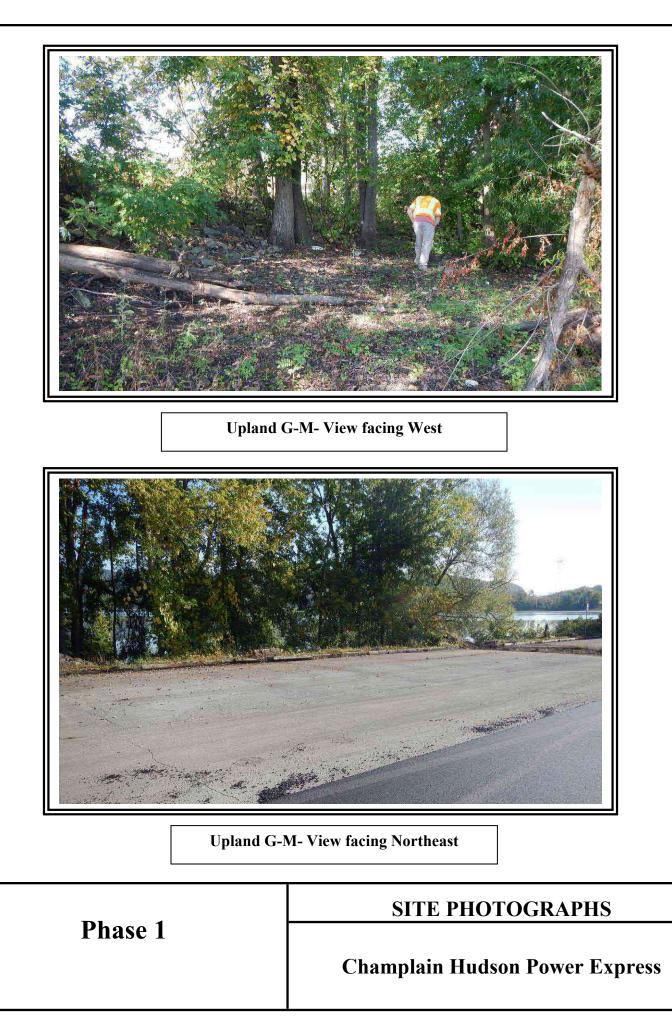
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedur	res here or in a	separate report.)	

, .,	Wetland Hydrology Indicators:					
Primary Indicators (minimum of one is requi	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)	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)	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 (I	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	Wetlan	d Hydrology Present? Yes No X				
(includes capillary fringe)	No X Depth (inches):					
(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: G-M-Up

<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:       1         (A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3%</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. Rhus typhina	10	Yes	UPL	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:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5')				2 - Dominance Test is >50%
1. Baptisia tinctoria	20	Yes	UPL	3 - Prevalence Index is < 3.01
2. Xanthium strumarium	5	No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
	-			data in Remarks or on a separate sheet)
3. <u>Bidens frondosa</u>	5	No	FACW	
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
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: 15' )				Woody vines – All woody vines greater than 3.28 ft in
1. Vitis riparia	20	Yes	FAC	height.
2.				
3.				Hydrophytic Verstation
4.				Vegetation Present? Yes No X
	20	=Total Cover		
Remarks: (Include photo numbers here or on a separ				
	ato 31001.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument ti	he indica	tor or co	onfirm the absence of indicators.)	
Depth	Matrix		Redo	x Featu	res			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks	
			·					
		·						
		·				<u> </u>		<u> </u>
		·				<u> </u>		
						·		
						·		
1		·				<u> </u>		
	oncentration, D=Dep	letion, RN	1=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.	
Hydric Soil							Indicators for Problematic Hydric Soils <sup>3</sup> :	
Histosol			Polyvalue Belo		ice (S8) (I	LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 14	
	oipedon (A2)		MLRA 149B	·			Coast Prairie Redox (A16) (LRR K, L, F	
	stic (A3)		Thin Dark Surf					
	n Sulfide (A4)		High Chroma S	-			Polyvalue Below Surface (S8) (LRR K,	L)
	l Layers (A5)		Loamy Mucky			<b>R K, L</b> )	Thin Dark Surface (S9) (LRR K, L)	
	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	(F2)		Iron-Manganese Masses (F12) ( <b>LRR K</b>	, L, R)
	ark Surface (A12)		Depleted Matri				Piedmont Floodplain Soils (F19) ( <b>MLR</b>	
	lucky Mineral (S1)		Redox Dark Su		-		Mesic Spodic (TA6) ( <b>MLRA 144A, 145</b> ,	<b>149B</b> )
	leyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)	
Sandy R	edox (S5)		Redox Depres	`	8)		Very Shallow Dark Surface (F22)	
Stripped	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (Explain in Remarks)	
Dark Su	rface (S7)							
			etland hydrology mu	ust be pi	resent, ur	iless distu	urbed or problematic.	
	Layer (if observed):							
Type:	rock filled	d slope						
Depth (ii	nches):	2					Hydric Soil Present? Yes No	Х
Remarks:								
	m is revised from No	rthcentral	and Northeast Regi	ional Su	pplement	Version	2.0 to include the NRCS Field Indicators of Hydric Sc	ils,
	2015 Errata. (http://w							
No hole dug	<ul> <li>sideslope of rock ri</li> </ul>	p/rap.						



Project/Site: CHPE -	Route 22 - V	√hitehall Section			City/County: W	ashinç	gton		Sampling Date: 1	0/07/21
Applicant/Owner:	CHPE						State:	NY	Sampling Point:	G-K-Wet
Investigator(s): KW, K	(S				Section	ı, Tow	/nship, Range: <u>W</u>	√hiteha	dl	
Landform (hillside, terr	ace, etc.):	Lakeside (Toeslo	ope)	Local r	elief (concave, c	onvex	k, none): <u>Concav</u>	е	Slope	%: 3
Subregion (LRR or ML	.RA): LRR I	R, MLRA 142	Lat:	43°,34,19.23N	L	ong:	73°25,40.15W		Datum:	
Soil Map Unit Name:	Saprists						NWI classifi	cation:	L2AB	
Are climatic / hydrologi	ic conditions	on the site typical	l for tł	his time of year?	Yes	Х	No	(lf no, e	explain in Remarks.	.)
Are Vegetation	, Soil	, or Hydrology		significantly disturb	oed? Are '	'Norm	al Circumstances	s" prese	ent? Yes <u>X</u>	No
Are Vegetation	, Soil	, or Hydrology		naturally problema	tic? (If ne	eded,	, explain any ans	wers in	ו Remarks.)	
SUMMARY OF FI	NDINGS -	Attach site n	nap	showing samp	pling point lo	ocati	ons, transect	ts, im	portant feature	es, etc.
Hydrophytic Vegetatio	on Present?	Yes	х	No	Is the Sample	ed Ar	ea			
Hydric Soil Present?		Yes	Х	No	within a Wet	land?	Yes	Х	No	
Wetland Hydrology P	resent?	Yes	Х	No	If yes, optiona	al Wet	land Site ID:			

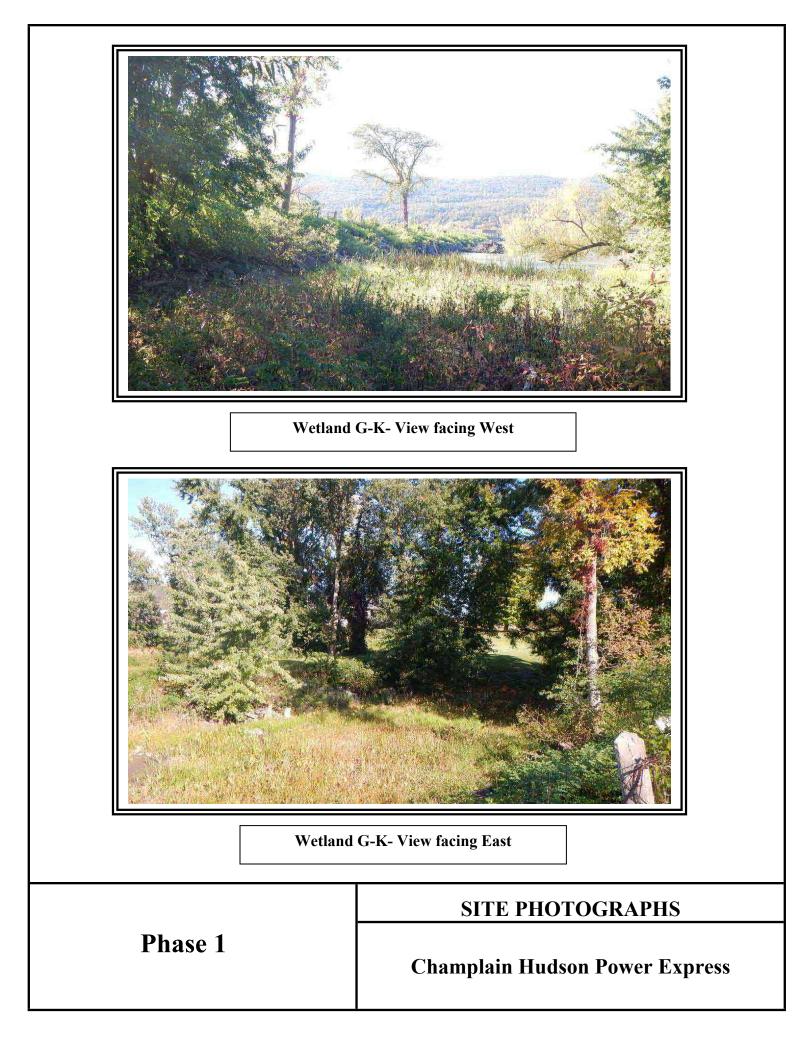
Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is requir	Surface Soil Cracks (B6)					
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)			
X High Water Table (A2)		Moss Trim Lines (B16)				
Saturation (A3)	Dry-Season Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)				
Sediment Deposits (B2)						
Drift Deposits (B3)	Presence of Reduced Iron (C4)		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	7) Other (Explain in Remarks)		Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (E	38)		X FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes X	No Depth (inches): 5					
Water Table Present? Yes X						
Water Table Present? Yes X						
Saturation Present? Yes X	No     Depth (inches):     0       No     Depth (inches):     2	Wetlan	nd Hydrology Present? Yes X No			
		Wetlan	nd Hydrology Present? Yes <u>X</u> No			
Saturation Present? Yes X	No Depth (inches): 2		· · · ·			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 2		· · · ·			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 2		· · · ·			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 2		· · · ·			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 2		· · · ·			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 2		· · · ·			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 2		· · · ·			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 2		· · · ·			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 2		· · · ·			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 2		· · · ·			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 2		· · · ·			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 2		· · · ·			

Sampling Point: G-K-Wet

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:(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: 50.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species X 1 = 48
1				FACW species <u>30</u> x 2 = <u>60</u>
2				FAC species x 3 =
3				FACU species <u>5</u> x 4 = <u>20</u>
4				UPL species 0 x 5 = 0
5				Column Totals: 83 (A) 128 (B)
6				Prevalence Index = B/A = 1.54
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5')				2 - Dominance Test is >50%
1. Acorus calamus	3	No	OBL	X 3 - Prevalence Index is $\leq 3.0^1$
2. Pontederia cordata	5	No	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Nuphar advena	15	No	OBL	data in Remarks or on a separate sheet)
4. Xanthium stumarium	20	Yes		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Lythrum salicaria	20	Yes	OBL	
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. Bidens frondosa	30	Yes	FACW	be present, unless disturbed or problematic.
7			<u> </u>	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
	98	=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. Parthenocissus quinquefolia	5	Yes	FACU	height.
2				
3.				Hydrophytic Vegetation
4.	<b></b>	<b></b>		Present? Yes X No
	5	=Total Cover		
Remarks: (Include photo numbers here or on a sepa				
	,			

Profile Desc	ription: (Describe f	to the de	pth needed to docu	iment th	ne indica	tor or co	onfirm the absence of	f indicators.)
Depth	Matrix		Redox	k Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12	5Y 3/1	90	7.5YR 4/6	10	С	М	Mucky Loam/Clay	Prominent redox concentrations
·								
	oncentration, D=Depl	etion, RM	1=Reduced Matrix, N	1S=Mas	ked Sano	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	or Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo		ce (S8) (	LRR R,		uck (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	ipedon (A2)		MLRA 149B					rairie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surfa		-		149B) 5 cm Mu	ucky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) ( <b>LRI</b>	R K, L)	Polyvalu	ie Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky I	Mineral	(F1) ( <b>LR</b>	<b>R K, L</b> )	Thin Dar	rk Surface (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mar	nganese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Da	rk Surface (A12)		Depleted Matrix	x (F3)			Piedmor	nt Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy M	lucky Mineral (S1)		X Redox Dark Su	irface (F	6)		Mesic Sp	podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	ent Material (F21)
	edox (S5)		Redox Depress	sions (Fa	8)		Very Sha	allow Dark Surface (F22)
	Matrix (S6)		 Marl (F10) ( <b>LR</b>	`	,			Explain in Remarks)
	face (S7)			, ,				, ,
<sup>3</sup> Indicators of	hydrophytic vegetat	ion and w	etland hydrology mu	ist be pr	esent, u	nless dist	urbed or problematic.	
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Preser	nt? Yes X No
Remarks:							-	
	m is revised from No	rthcentral	and Northeast Regi	onal Su	pplemen	t Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,
	2015 Errata. (http://w							



Project/Site: CHPE	- Route 22 - V	Vhitehall Section		City/County: Washin	gton	S	ampling Date:	10/07/21
Applicant/Owner:	CHPE				State:	NY	Sampling Point:	G-K-Up
Investigator(s): KW,	KS			Section, Tov	vnship, Range: <u>\</u>	Whitehall		
Landform (hillside, ter	race, etc.):	Lakeside (Toeslo	ope) Local	relief (concave, conve	x, none): <u>Conca</u> v	ve	Slope	%: 3
Subregion (LRR or M	LRA): LRR	R, MLRA 142	Lat: <u>43°,34',19.23"N</u>	Long:	73°25',40.15"W		Datum:	
Soil Map Unit Name:	Saprists				NWI classif	ication: N	None	
Are climatic / hydrolog	gic conditions	on the site typica	I for this time of year?	Yes X	No	(If no, ex	plain in Remarks	.)
Are Vegetation	, Soil	, or Hydrology	significantly distur	bed? Are "Norm	al Circumstance	s" presen	t? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problema	tic? (If needed	l, explain any an	swers in F	Remarks.)	
SUMMARY OF F	INDINGS -	- Attach site r	nap showing sam	pling point locati	ons, transec	ts, imp	ortant featur	es, etc.

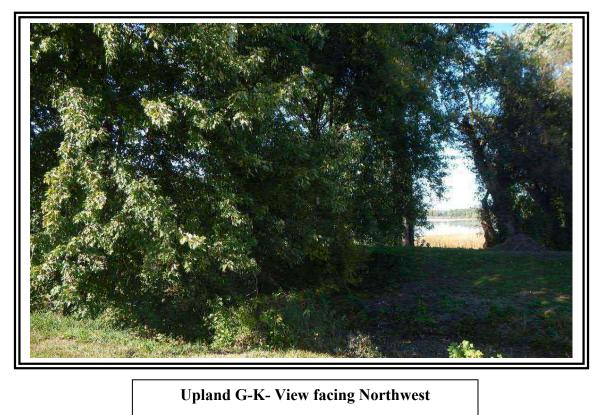
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

	Wetland Hydrology Indicators:					
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)	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)	Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)		? Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7)	Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present? Yes No X			
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	Wetlan	d Hydrology Present? Yes <u>No X</u>			

Sampling Point: G-K-Up

	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	10	Yes	FACW	Number of Dominant Species
2. Rhus typhina	10	Yes	UPL	That Are OBL, FACW, or FAC:(A)
3.				Total Number of Dominant
4				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:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species         0         x 1 =         0
1				FACW species 10 x 2 = 20
2.				FAC species 5 x 3 = 15
3.				FACU species 10 x 4 = 40
4.				UPL species 30 x 5 = 150
5.				Column Totals: 55 (A) 225 (B)
6.				Prevalence Index = B/A = 4.09
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Baptisia tinctoria	20	Yes	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Cirsium arvense	10	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				_
				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
9 10				
11.				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Harb All berbasseus (non woody) plants, regardlass
	30	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15')				Weedu vince All weedu vince greater than 2.29 ft in
1. Vitis riparia	5	Yes	FAC	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Venetation
4.				Vegetation Present? Yes No X
	5	=Total Cover		
Remarks: (Include photo numbers here or on a sepa				

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument tl	he indica	tor or co	onfirm the absence of indicators.)	
Depth	Matrix		Redo	x Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Re	emarks
							·	
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion RN		/S=Mas	ked Sand	Grains	<sup>2</sup> Location: PL=Pore Lining, M	=Matrix
Hydric Soil			r rtoddood matrix, r	no mao			Indicators for Problematic F	
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RRR	2 cm Muck (A10) ( <b>LRR K</b>	
	oipedon (A2)		MLRA 149B		00 (00) (	,	Coast Prairie Redox (A16	
Black Hi			Thin Dark Surf	,		MIRA 1		
	n Sulfide (A4)		High Chroma S				Polyvalue Below Surface	
			Loamy Mucky	-				
	l Layers (A5)	- ( )				<b>τ τ, </b> Ε)	Thin Dark Surface (S9) (L	
	d Below Dark Surface	e (ATT)	Loamy Gleyed		FZ)		Iron-Manganese Masses	
	ark Surface (A12)		Depleted Matri				Piedmont Floodplain Soils	
	lucky Mineral (S1)		Redox Dark Su	•	,		Mesic Spodic (TA6) (MLF	
	Bleyed Matrix (S4)		Depleted Dark		. ,		Red Parent Material (F21	
	edox (S5)		Redox Depres	``	8)		Very Shallow Dark Surfac	. ,
	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (Explain in Remark	s)
Dark Su	rface (S7)							
			/etland hydrology mi	ust be pi	resent, ur	iless dist	urbed or problematic.	
	Layer (if observed):							
Type:	Medium rock i	rip/rap slo	ре					
Depth (ir	nches):	0					Hydric Soil Present? Yes	No X
Remarks:								
	m is revised from No	orthcentra	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NRCS Field Indicator	s of Hydric Soils
	2015 Errata. (http://w							o or rijuno oono,
	- sideslope of rock ri		Ū	_			· _	
_								



Upland G-K- View facing Northeast

Phase 1

# SITE PHOTOGRAPHS

Project/Site: CHPE ·	- Route 22 - \	Whitehall Section	<u>i                                     </u>	Cit	ty/County: Washin	igton		Sampling Date: 1	0/07/21
Applicant/Owner:	CHPE					State:	NY	Sampling Point:	G-J-Wet
Investigator(s): KW, I	KS				Section, To	wnship, Range: <u>V</u>	Vhiteha	all	
Landform (hillside, ter	race, etc.):	Lakeside		Local relie	ef (concave, conve	x, none): <u>Conca</u>	/e	Slope 9	%: 3
Subregion (LRR or ML	LRA): LRR	R, MLRA 142	Lat:	40°,33',35,24"N	Long:	73°,24',28,02"W	/	Datum:	
Soil Map Unit Name:	Saprists					NWI classifi	cation:	L2AB	
Are climatic / hydrolog	jic conditions	on the site typic	al for	this time of year?	Yes X	No	(If no,	explain in Remarks.)	)
Are Vegetation	, Soil	, or Hydrology		significantly disturbed	? Are "Norn	nal Circumstance	s" pres	sent? Yes <u>X</u>	No
Are Vegetation	, Soil	, or Hydrology		naturally problematic?	? (If needec	d, explain any ans	swers ir	n Remarks.)	
SUMMARY OF F	INDINGS -	- Attach site	mar	p showing sampli	ng point locat	ions, transec	ts, im	portant feature	s, etc.
Hydrophytic Vegetati	ion Present?	Yes	х	NoI	Is the Sampled Ar	rea			

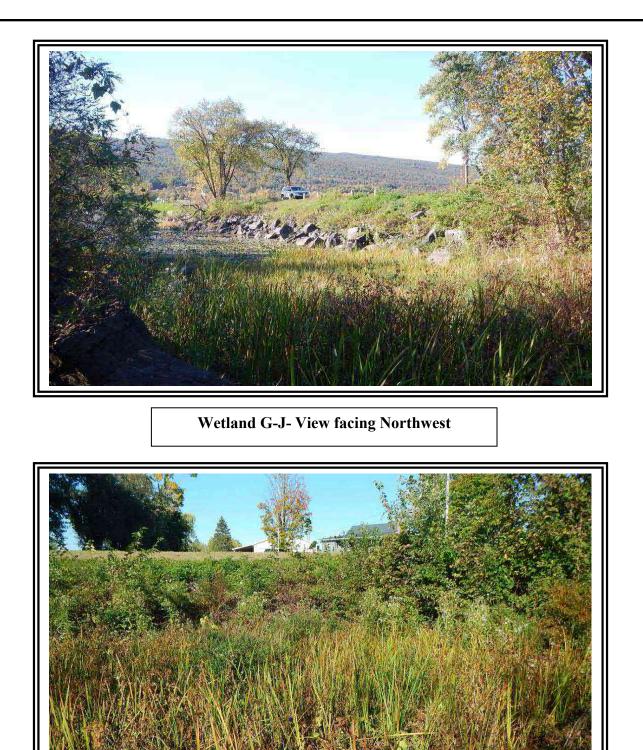
Hydrophytic Vegetation Present?	Yes	X	NO	is the Sampled Area
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures h	ere or	in a se	eparate report.)	

Wetland Hydrology Indicators:		5	econdary Indicators (minimu	<u>ım of two required)</u>	
Primary Indicators (minimum of one is red		Surface Soil Cracks (B6)			
X Surface Water (A1)	_	Drainage Patterns (B10)			
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	oots (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	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery		Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface	e (B8)		X FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes X	No Depth (inches): 4				
Water Table Present? Yes X	No Donth (inches):				
Water Table Present? Yes X	No Depth (inches): 0				
Saturation Present? Yes X	No Depth (inches): 0	Wetland	Hydrology Present?	Yes X No	
		Wetland	Hydrology Present?	Yes_X_No	
Saturation Present? Yes X (includes capillary fringe)				Yes <u>X</u> No	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 2			Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge,	No Depth (inches): 2			Yes <u>X</u> No	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 2			Yes <u>X</u> No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge,	No Depth (inches): 2			Yes <u>X</u> No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge,	No Depth (inches): 2			Yes <u>X</u> No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge,	No Depth (inches): 2			Yes <u>X</u> No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge,	No Depth (inches): 2			Yes <u>X</u> No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge,	No Depth (inches): 2			Yes <u>X</u> No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge,	No Depth (inches): 2			Yes <u>X</u> No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge,	No Depth (inches): 2			Yes <u>X</u> No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge,	No Depth (inches): 2			Yes <u>X</u> No	

Sampling Point: G-J-Wet

	Absolute	Dominant	Indicator	Damia and Task and a bask
<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: 5 (B)
5				Percent of Dominant Species
6	1			That Are OBL, FACW, or FAC: 60.0% (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
<u>Herb Stratum</u> (Plot size: 5')				X 2 - Dominance Test is >50%
1. Acorus calamus	5	No	OBL	$3 - \text{Prevalence Index is } \le 3.0^1$
2. Pontederia cordata	10	No	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Nuphar advena	20	Yes	OBL	data in Remarks or on a separate sheet)
			OBL	Duck lawsofie, the duc when the Manuscher the w <sup>1</sup> (Even laim)
4. Xanthium stumarium	20	Yes	0.01	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Lythrum salicaria	20	Yes	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. <u>Bidens frondosa</u>	20	Yes	FACW	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	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. Parthenocissus quinquefolia	5	Yes	FACU	height.
2				Under a brathe
3	1			Hydrophytic Vegetation
4				Present? Yes X No
	5	=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			•

	Redo	x Featur	res Type <sup>1</sup>	Loc <sup>2</sup>			
(inches) Color (moist) 9	6 Color (moist)				Texture	Remarks	
0-12 5Y 4/1 9	7 7.5YR 4/6	3	С	М	Mucky Loam/Clay	Prominent redox concentrations	
					·		
·							
Type: C=Concentration, D=Depletion	, RM=Reduced Matrix, N	//S=Mas	ked Sand	I Grains.		L=Pore Lining, M=Matrix.	
Hydric Soil Indicators:						or Problematic Hydric Soils <sup>3</sup> :	
Histosol (A1)	Polyvalue Belo		ce (S8) (I	_RR R,		ck (A10) ( <b>LRR K, L, MLRA 149B</b> )	
Histic Epipedon (A2)	MLRA 149B	,				airie Redox (A16) (LRR K, L, R)	
Black Histic (A3) Hydrogen Sulfide (A4)	Thin Dark Surf High Chroma S		-			cky Peat or Peat (S3) (LRR K, L, R)	
Stratified Layers (A5)	Loamy Mucky					e Below Surface (S8) ( <b>LRR K, L</b> ) k Surface (S9) ( <b>LRR K, L</b> )	
Depleted Below Dark Surface (A1				<b>、</b> κ, ∟)		iganese Masses (F12) ( <b>LRR K, L, R</b> )	
Thick Dark Surface (A12)	X Depleted Matri		12)			t Floodplain Soils (F19) (MLRA 149E	
Sandy Mucky Mineral (S1)	Redox Dark St		6)			oodic (TA6) ( <b>MLRA 144A, 145, 149B</b>	
Sandy Gleyed Matrix (S4)	Depleted Dark	•	,			ent Material (F21)	
Sandy Redox (S5)	Redox Depres					allow Dark Surface (F22)	
Stripped Matrix (S6)	 Marl (F10) ( <b>LR</b>	`	- /			xplain in Remarks)	
Dark Surface (S7)		, ,			、	,	
<sup>3</sup> Indicators of hydrophytic vegetation a	nd wetland hydrology m	ust be pr	resent, ur	less dis	turbed or problematic.		
Restrictive Layer (if observed):							
Туре:							
					Hydric Soil Preser		



Wetland G-J- View facing Northeast

Phase 1

# SITE PHOTOGRAPHS

Project/Site: CHPE	- Route 22 - V	Vhitehall Section		City/County: Washin	gton	Sa	mpling Date: _	10/07/21
Applicant/Owner:	CHPE				State:	NY S	Sampling Point:	G-J-Up
Investigator(s): KW,	KS			Section, Tov	wnship, Range: <u>\</u>	Nhitehall		
Landform (hillside, ter	race, etc.):	Lakeside (Toes	lopes) Local	relief (concave, conve	x, none): <u>Conca</u> v	ve	Slope	%: 3
Subregion (LRR or MI	LRA): LRR	R, MLRA 142	Lat: <u>43°,34',18.23"N</u>	Long:	73°,25',39.84"W	/	Datum:	
Soil Map Unit Name:	Saprists				NWI classif	ication: N	one	
Are climatic / hydrolog	gic conditions	on the site typica	al for this time of year?	Yes X	No	(If no, expl	lain in Remarks	.)
Are Vegetation	, Soil	, or Hydrology	significantly distur	bed? Are "Norm	nal Circumstance	es" present	? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problema	atic? (If needed	l, explain any an	swers in Re	emarks.)	
SUMMARY OF F	INDINGS -	- Attach site	map showing sam	pling point locati	ions, transec	ts, impo	rtant feature	es, etc.

Hydrophytic Vegetation Present?	Yes X	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 procedure	s here or in a s	eparate report.)	

Wetland Hydrology Indicat	ors:				Secondary Indicators (min	imum of two required)
Primary Indicators (minimum	of one is require	ed; check all	that apply)		Surface Soil Cracks (E	36)
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B1	0)
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16	)
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Ta	ble (C2)
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8)	)
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living R	oots (C3)	Saturation Visible on A	Aerial Imagery (C9)
Drift Deposits (B3)		Preser	nce of Reduced Iron (C4)		Stunted or Stressed P	lants (D1)
Algal Mat or Crust (B4)		Recent	t Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)		Thin M	uck Surface (C7)		? Shallow Aquitard (D3)	
Inundation Visible on Ae	rial Imagery (B7)	) Other (	Explain in Remarks)		Microtopographic Reli	ef (D4)
Sparsely Vegetated Con	ncave Surface (B	8)			FAC-Neutral Test (D5	)
Field Observations:						
Surface Water Present?	Yes	No X	Depth (inches):			
Water Table Present?	Yes	No X	Depth (inches):			
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X
(includes capillary fringe)						
Describe Recorded Data (str	eam daude, mor	nitoring well.	aerial photos, previous inspe	ections), if	available:	
, , , , , , , , , , , , , , , , , , ,	5 5 ,	<b>J</b> ,	1 /1 1	,,		
Remarks:						

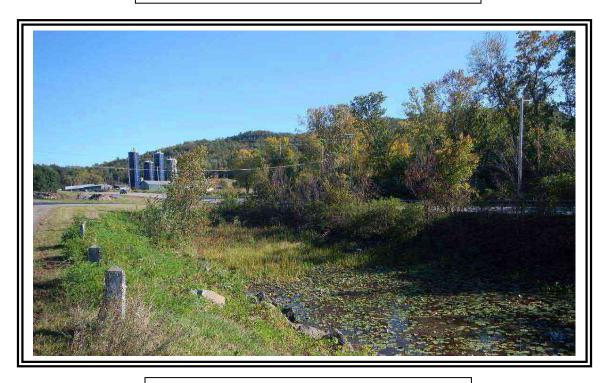
Sampling Point: G-J-Up

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30'</u> ) 1. <i>Ulmus americana</i>	<u>% Cover</u> 5	Species? Yes	Status FACW	Dominance rest worksneet.
	<u>5</u>	·	UPL	Number of Dominant Species That Are OBL. FACW. or FAC: 3 (A)
2		Yes	UFL	That Are OBL, FACW, or FAC:3 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>5</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: <u>60.0%</u> (A/B)
7				Prevalence Index worksheet:
	15	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1. <u>Cornus amomum</u>	5	Yes	FACW	FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A)(B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Baptisia tinctoria	30	Yes	UPL	$3 - Prevalence Index is \leq 3.0^1$
2 Vanthium atrumanium		·	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	30	=Total Cover	_	of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 15' )				Woody vines – All woody vines greater than 3.28 ft in
1. Vitis riparia	10	Yes	FAC	height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
T	10	=Total Cover		
Demoder (lestude abote numbers here or on a const				
Remarks: (Include photo numbers here or on a separ	ate sneet.)			

Profile Desc	cription: (Describe	to the de	pth needed to docu	ument ti	he indica	tor or co	onfirm the absence of	indicators.)	
Depth	Matrix		Redo	x Featu	res				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Rem	larks
						······			
							<u> </u>		
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL	L=Pore Lining, M=N	/latrix.
Hydric Soil	Indicators:						Indicators fo	or Problematic Hyd	dric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		ck (A10) ( <b>LRR K, L</b>	
	oipedon (A2)		MLRA 149B		( -/(	,		airie Redox (A16) (	
	istic (A3)		Thin Dark Surf	,				cky Peat or Peat (S	-
	en Sulfide (A4)		High Chroma S					e Below Surface (S	
	d Layers (A5)		Loamy Mucky			<b>Κ Κ, Ľ</b> )		k Surface (S9) ( <b>LR</b>	
	d Below Dark Surface	e (A11)	Loamy Gleyed		F2)			ganese Masses (F	
	ark Surface (A12)		Depleted Matri						F19) ( <b>MLRA 149B</b> )
Sandy N	/lucky Mineral (S1)		Redox Dark Su	•	,			odic (TA6) ( <b>MLRA</b>	144A, 145, 149B)
Sandy G	Bleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pare	ent Material (F21)	
Sandy F	Redox (S5)		Redox Depres	sions (F	8)		Very Sha	llow Dark Surface	(F22)
Stripped	l Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (Ex	xplain in Remarks)	
Dark Su	rface (S7)								
	. ,								
<sup>3</sup> Indicators o	f hvdrophvtic vegetat	ion and w	etland hvdrologv mu	ust be pi	resent. ur	nless dist	urbed or problematic.		
	Laver (if observed):		, ,,		,		I		
Type:	Medium rock r		ne						
			pe						
Depth (i	nches):	0					Hydric Soil Presen	nt? Yes	<u>No X</u>
Remarks:									
This data for	m is revised from No	rthcentral	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NRC	S Field Indicators of	of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	/ww.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)		
No hole dug	- sidelsope of rock ri	p/rap.							



Upland G-J- View facing West



Upland G-J- View facing East

Phase 1

# SITE PHOTOGRAPHS

Project/Site: CHPE	- Route 22 -	Whitehall Section			City/County: Washin	gton		Sampling Date: 10/	/07/21
Applicant/Owner:	CHPE					State:	NY	Sampling Point:	G-I-Wet
Investigator(s): KW,	KS				Section, Tov	wnship, Range: <u>\</u>	Nhiteha	all	
Landform (hillside, ter	race, etc.):	Roadside ditch		Local r	elief (concave, conve	x, none): <u>Conca</u>	ve	Slope %:	. 0
Subregion (LRR or MI	RA): LRF	R, MLRA 142	Lat:	43°,34',17.02"N	Long:	73°,25',37.20"V	/	Datum:	
Soil Map Unit Name:	Kingsbury	Silty Clay				NWI classif	ication:	PEM (wet meadow/	ditch)
Are climatic / hydrolog	jic condition	s on the site typica	al for t	this time of year?	Yes X	No	(If no,	explain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology		significantly disturb	ed? Are "Norm	nal Circumstance	es" pres	ent? Yes <u>X</u> No	o
Are Vegetation	, Soil	, or Hydrology		naturally problema	tic? (If needed	l, explain any an	swers ir	n Remarks.)	
SUMMARY OF F	INDINGS	– Attach site	map	showing sam	oling point locat	ions, transec	ts, im	portant features	, etc.
Hydrophytic Vegetati Hydric Soil Present? Wetland Hydrology F		Yes Yes Yes	Х	No No No	Is the Sampled An within a Wetland? If yes, optional We	Yes	<u> </u>	No	

Remarks: (Explain alternative procedures here or in a separate 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)		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	oots (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)	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)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 1		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Depth (inches): 6	Wetlan	d Hydrology Present? Yes X No
		Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X	No Depth (inches): 6		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 6		
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches): 6		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6		
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches): 6		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6		
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6		

Sampling Point: G-I-Wet

2.	<u>Tree Stratum</u> (Plot size: <u>30'</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
4.	2				
6.					
Sapino/Shub Stratum       (Plot size: 15')	6				
Saping/Shrub Stratum (Plot size:1	7				Prevalence Index worksheet:
1.			=Total Cover		Total % Cover of: Multiply by:
2.	Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
3.	1				FACW species x 2 =
4.	2.				FAC species x 3 =
4.	3.				FACU species x 4 =
5.	1				
6.	5				Column Totals: (A) (B)
7.	0				Prevalence Index = B/A =
Herb Stratum       (Plot size: 5')       1. Typha latifolia       40       Yes       OBL       3. Prevalence Index is ≤3.0 <sup>1</sup> 2. Lythrum salicaria       20       Yes       OBL       3. Prevalence Index is ≤3.0 <sup>1</sup> 3. Symphyotrichum racemosum       10       No       FACW       4. Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)         4. Bidens frondosa       5       No       FACW       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)         5. Phalaris arundinacea       5       No       FACW       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)         6.					Hydrophytic Vegetation Indicators:
Herb Stratum       (Plot size:       5'       )         1.       Typha latifolia       40       Yes       OBL       3 - Prevalence Index is <3.0 <sup>1</sup> 2.       Lythrum salicaria       20       Yes       OBL       4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)         3.       Symphyotrichum racemosum       10       No       FACW       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)         5.       Phalaris arundinacea       5       No       FACW       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)         5.       Phalaris arundinacea       5       No       FACW       Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         6.			=Total Cover		
1.       Typha latifolia       40       Yes       OBL       3 - Prevalence Index is ≤3.0 <sup>1</sup> 2.       Lythrum salicaria       20       Yes       OBL       4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)         3.       Symphyotrichum racemosum       10       No       FACW       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)         5.       Phalaris arundinacea       5       No       FACW       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)         7.	Herb Stratum (Plot size: 5')				
2.       Lythrum salicaria       20       Yes       OBL       4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)         3.       Symphyotrichum racemosum       10       No       FACW       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)         5.       Phalaris arundinacea       5       No       FACW       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)         6.	· · · · · · · · · · · · · · · · · · ·	40	Yes	OBL	
3.       Symphyotrichum racemosum       10       No       FACW       data in Remarks or on a separate sheet)         4.       Bidens frondosa       5       No       FACW       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)         5.       Phalaris arundinacea       5       No       FACW       Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         6.		-			
4.       Bidens frondosa       5       No       FACW       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)         5.       Phalaris arundinacea       5       No       FACW <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         6.		-			
5.       Phalaris arundinacea       5       No       FACW <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         6.		-			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6.					
8.			110	17,000	
9.	7.				Definitions of Vegetation Strata:
10.					
11.					diameter at breast height (DBH), regardless of height.
80       =Total Cover       Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.         Woody Vine Stratum       (Plot size:)       Woody vines - All woody vines greater than 3.28 ft in height.         1.					
Woody Vine Stratum       (Plot size:)         1.	12	80	=Total Cover		
1.	Woody Vine Stratum (Plot size:				
3.	,				
3.	2				I hadron hartin
4 Present? Yes X No	3				
	4				-
Remarks: (Include photo numbers here or on a separate sheet.)			=Total Cover		
	Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Profile Desc	ription: (Describe	to the depth	needed to docu	ment th	ne indica	tor or co	onfirm the absence of	f indicators.)
Depth	Matrix	-	Redox	Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-10	10YR 3/1	97	7.5YR 4/4	3	C	M	Loamy/Clayey	Prominent redox concentrations
						<u> </u>		
						<u> </u>	·	
						·		
						<u> </u>		
						·		
17 0.0					. <u> </u>	·	2	
	oncentration, D=Depl	etion, RM=F	Reduced Matrix, M	IS=Mas	ked Sand	d Grains.		L=Pore Lining, M=Matrix.
Hydric Soil I								or Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belov		ce (S8) (	LRR R,		ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
	ipedon (A2)		MLRA 149B)					airie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surfa		-			cky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydroge	n Sulfide (A4)		High Chroma S	ands (S	611) ( <b>LRI</b>	R K, L)	Polyvalu	e Below Surface (S8) ( <b>LRR K, L</b> )
Stratified	l Layers (A5)		Loamy Mucky N	Mineral (	(F1) ( <b>LR</b>	R K, L)	Thin Dar	k Surface (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Man	nganese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Da	rk Surface (A12)		Depleted Matrix	(F3)			Piedmon	t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy M	lucky Mineral (S1)	>	Redox Dark Su	rface (F	6)		Mesic Sp	bodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark		,			ent Material (F21)
	edox (S5)		Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LRI</b>	`	0)			xplain in Remarks)
	face (S7)			<b>ΥΥ, Ε</b> )				
<sup>3</sup> Indicators of	<sup>-</sup> hydrophytic vegetat	ion and wetl	and hydrology mu	st be pr	esent, u	nless distu	urbed or problematic.	
Restrictive L	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Preser	nt? Yes <u>X</u> No
Remarks:								
	m is revised from No 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,



Wetland G-I- View facing Southeast



Wetland G-I- Viewing facing Northwest

Phase 1

# SITE PHOTOGRAPHS

Project/Site: CHPE -	Route 22 - Whi	itehall Section		City/County: Washing	gton		Sampling Date: 1	0/07/21
Applicant/Owner:	CHPE				State:	NY	Sampling Point:	G-I-Up
Investigator(s): KW, K	S			Section, Tov	/nship, Range: <u>V</u>	Vhitehal	I	
Landform (hillside, terra	ace, etc.): R	oadside ditch	Local r	elief (concave, conve	k, none): <u>Concav</u>	/e	Slope %	%: <u>2</u>
Subregion (LRR or MLF	RA): <u>LRR R,</u>	MLRA 142	Lat: 43°,34',17.02"N	Long:	73°,25',37.20"W	1	Datum:	
Soil Map Unit Name:	Kingsbury Silty	Clay			NWI classifi	cation:	None	
Are climatic / hydrologic	c conditions on	the site typical	for this time of year?	Yes X	No	(If no, e	xplain in Remarks.)	)
Are Vegetation,	, Soil, o	or Hydrology	significantly disturb	ed? Are "Norm	al Circumstance	s" prese	ent? Yes X N	lo
Are Vegetation,	, Soil, o	or Hydrology	naturally problemat	tic? (If needed	, explain any ans	swers in	Remarks.)	
SUMMARY OF FI	NDINGS – A	Attach site r	nap showing samp	oling point locati	ons, transec	ts, im	portant feature	s, 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	ires here or in a	separate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ	ired; 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 F	loots (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 Soi	ls (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (E	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):	Wetlan	nd Hydrology Present? Yes No 🗴
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	Wetlan	nd Hydrology Present? Yes <u>No X</u>
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			
(includes capillary fringe) Describe Recorded Data (stream gauge, m			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			
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(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			
(includes capillary fringe) Describe Recorded Data (stream gauge, m Remarks:			

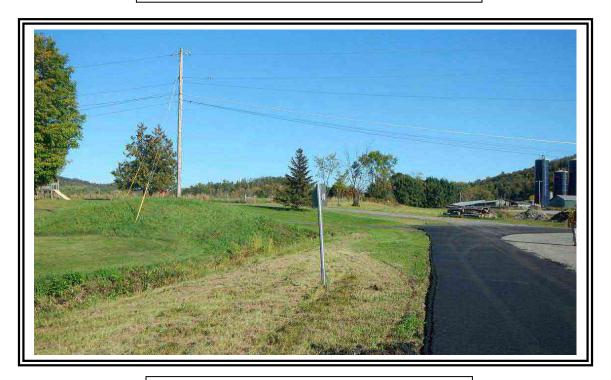
Sampling Point: G-I-Up

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 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. <u>Poa pratensis</u>	40	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Daucus carota	20	Yes	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Lythrum salicaria	10	No	OBL	data in Remarks or on a separate sheet)
4. Asclepias syriaca	10	No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				<b>Tree</b> – 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
	80	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum         (Plot size:)           1.        )				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
2				I hadro a bastic
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument ti	he indica	tor or co	onfirm the absence of in	ndicators.)	
Depth	Matrix		Redo	x Featur	res				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remark	s
0.10		100							
0-10	10YR 5/3	100				<u> </u>			
						<u> </u>			
						<u> </u>			
						·			
						·			
<sup>1</sup> Type: C=Co	ncentration, D=Depl	etion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	I Grains.	<sup>2</sup> Location: PL=	Pore Lining, M=Matr	ix.
Hydric Soil I	ndicators:							Problematic Hydric	
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) ( <b>I</b>	_RR R,	2 cm Muck	(A10) ( <b>LRR K, L, M</b>	LRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B	)				rie Redox (A16) (LRF	
Black His			Thin Dark Surf	, ace (S9)	) (LRR R,	MLRA 1		y Peat or Peat (S3) (	-
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (	
	Layers (A5)		Loamy Mucky	-				Surface (S9) (LRR K	-
	Below Dark Surface	e (A11)	Loamy Gleyed			. ,		anese Masses (F12)	
	rk Surface (A12)	<b>、</b>	Depleted Matri		,			- Floodplain Soils (F19	
	ucky Mineral (S1)		Redox Dark Su		-6)			dic (TA6) ( <b>MLRA 14</b> 4	
	leyed Matrix (S4)		Depleted Dark		-			t Material (F21)	
	edox (S5)		Redox Depres					ow Dark Surface (F22	2)
	Matrix (S6)		 Marl (F10) ( <b>LR</b>	``	,			lain in Remarks)	,
	face (S7)			, ,			( )	,	
	( )								
<sup>3</sup> Indicators of	hydrophytic vegetat	ion and w	etland hydrology mu	ust be pr	resent, ur	nless distu	urbed or problematic.		
	ayer (if observed):		, ,,				•		
Type:									
Depth (in	ches):						Hydric Soil Present?	Yes	No X
Remarks:									
	n is revised from No 2015 Errata. (http://w						2.0 to include the NRCS	Field Indicators of H	ydric Solls,
version 7.0, 2	2015 Erraia. (http://w	/ww.mcs.u	usua.gov/internet/F3			5/11/05/142	2p2_051293.docx)		



Upland G-I- View facing West



Upland G-I- View facing East

Phase 1

## SITE PHOTOGRAPHS

Project/Site: CHPE -	Route 22 - Whitehall Section City/County: Washington								Sampling Date: 1	0/07/21
Applicant/Owner:	CHPE		NY	Sampling Point:	G-H-Wet					
Investigator(s): KW, k	KS	Whiteha	all							
Landform (hillside, terr	race, etc.):	Toeslope		Local r	elief (concave, co	onvex	(, none): <u>Conca</u>	ve	Slope	%: 0
Subregion (LRR or ML	_RA): <u>LRR /</u>	R, MLRA 142	Lat:	43°,34',14.58"N	Lc	ong:	73°,25',22.06"V	V	Datum:	
Soil Map Unit Name:	Kingsbury S	ilt Loam					NWI classif	fication:	PEM/SS	
Are climatic / hydrolog	ic conditions	on the site typica	al for f	this time of year?	Yes	Х	No	(lf no,	explain in Remarks.	)
Are Vegetation	, Soil	, or Hydrology		significantly disturb	ed? Are "N	Norm	al Circumstance	es" pres	ent? Yes <u>X</u> I	No
Are Vegetation	, Soil	, or Hydrology		_naturally problema	tic? (If ne	eded,	, explain any an	swers in	n Remarks.)	
SUMMARY OF FI	INDINGS -	- Attach site	map	) showing samp	oling point lo	catio	ons, transec	cts, im	portant feature	es, etc.
Hydrophytic Vegetatio	on Present?	Yes	х	No	Is the Sample	ed Are	ea			
Hydric Soil Present?		Yes	Х	No	within a Wetla	and?	Yes	<u>X</u>	No	
Wetland Hydrology P	'resent?	Yes	Х	No	If yes, optional	l Wet	land Site ID:			
Remarks: (Explain a	Iternative pro-	cedures here or	in a s	eparate report.)						

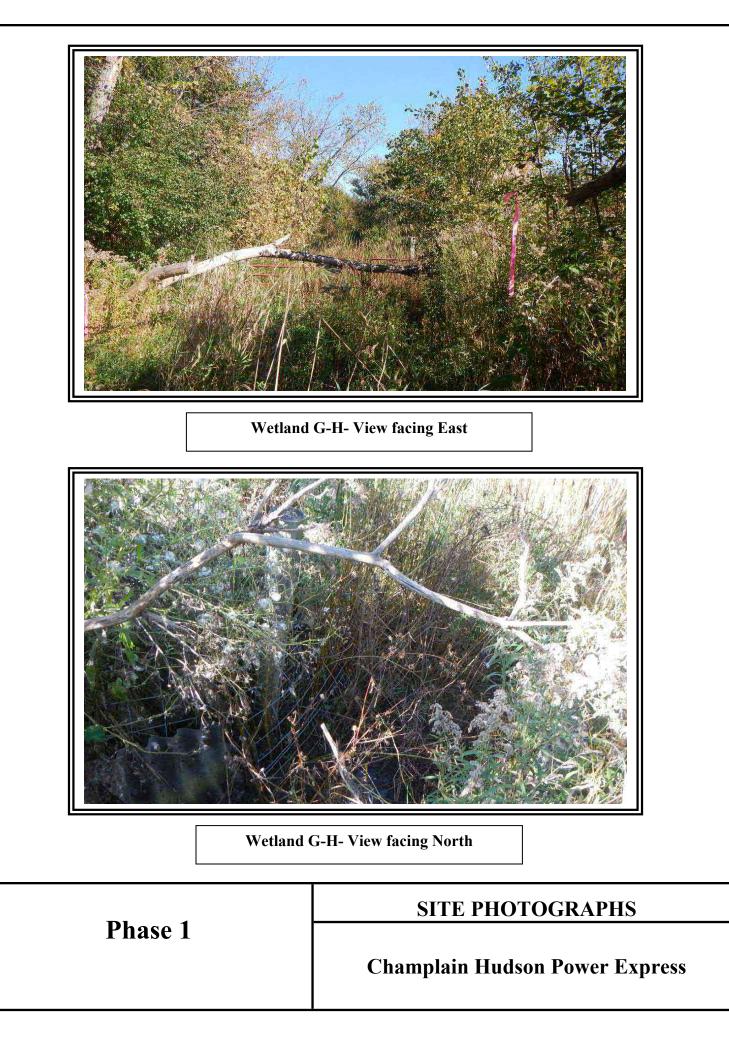
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)			
X Surface Water (A1)	X Drainage Patterns (B10)			
High Water Table (A2)	Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	oots (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 Soi	ls (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	8)		X FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes X	No Depth (inches): 2			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches): No Depth (inches): 6	Wetlan	nd Hydrology Present? Yes X No	
		Wetlan	nd Hydrology Present? Yes X No	
Saturation Present? Yes X	No Depth (inches): 6			
Saturation Present?     Yes     X       (includes capillary fringe)     X	No Depth (inches): 6			
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6			
Saturation Present?     Yes     X       (includes capillary fringe)     X	No Depth (inches): 6			
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6			
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6			
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6			
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6			
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6			
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6			
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6			
Saturation Present?       Yes       X         (includes capillary fringe)	No Depth (inches): 6			

Sampling Point: G-H-Wet

Tara Chataire (Distaire 201	Absolute % Cover	Dominant	Indicator	Deminence Test werkeheet				
Tree Stratum (Plot size: 30')	10	Species?	Status	Dominance Test worksheet:				
Populus deltoides     Salix nigra	5	Yes Yes	FAC OBL	Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)				
3.     Acer negundo       4.	5	Yes	FAC	Total Number of Dominant         Species Across All Strata:       7         (B)				
5.           6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)				
7.				Prevalence Index worksheet:				
	20	=Total Cover		Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size: 15' )				OBL species x 1 =				
1. Cornus racemosa	20	Yes	FAC	FACW species x 2 =				
2. Acer negundo	5	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:				
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation				
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%				
1. Solidago gigantea	40	Yes	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>				
2. Typha latifolia	25	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supportin				
3. Phalaris arundinacea	20	No	FACW	data in Remarks or on a separate sheet)				
4. Lythrum salicaria	15	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
5. Symphyotrichum racemosum	5	No	FACW					
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
7.				Definitions of Vegetation Strata:				
8.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in				
9.				diameter at breast height (DBH), regardless of height.				
10.				Sanling/shrub Woody plants loss than 3 in DRH				
11				<b>Sapling/shrub</b> – 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')				Woody vines – All woody vines greater than 3.28 ft in				
1				height.				
2.								
3.				Hydrophytic Vegetation				
4.				Present? Yes X No				
		=Total Cover						
Remarks: (Include photo numbers here or on a separ	rate sheet.)							

## SOIL

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument th	ne indica	tor or co	onfirm the absence o	f indicators.)				
Depth	Matrix		Redo	x Featur	es							
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks				
0-6	7.5YR 3/1	99	7.5YR 4/6	1	С	М	Loamy/Clayey	Prominent redox concentrations				
6-14	7.5YR 2.5/1	95	7.5YR 4/6	5	С	Μ	Loamy/Clayey	Prominent redox concentrations				
<u> </u>												
						······						
$\frac{1}{1}$ Type: C=C	oncentration, D=Depl	letion RM		AS=Mas	ked Sand	Grains	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.				
Hydric Soil				10-11183	Keu Gan	d Grains.		or Problematic Hydric Soils <sup>3</sup> :				
Histosol			Polyvalue Belo	w Surfa	ce (S8) (			ick (A10) ( <b>LRR K, L, MLRA 149B</b> )				
	pipedon (A2)		MLRA 149B					rairie Redox (A16) ( <b>LRR K, L, R</b> )				
			Thin Dark Surfa	,								
Black Hi					-		-	icky Peat or Peat (S3) (LRR K, L, R)				
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)				
	l Layers (A5)		Loamy Mucky I			R K, L)		rk Surface (S9) ( <b>LRR K, L</b> )				
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mar	nganese Masses (F12) ( <b>LRR K, L, R</b> )				
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmor	Piedmont Floodplain Soils (F19) (MLRA 149B)				
Sandy M	lucky Mineral (S1)		X Redox Dark Su	urface (F	6)		Mesic S	Mesic Spodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )				
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	ent Material (F21)				
Sandy R	edox (S5)		Redox Depress	sions (Fa	8)		Very Sha	allow Dark Surface (F22)				
	Matrix (S6)		Marl (F10) (LR		,		Other (E	xplain in Remarks)				
	rface (S7)			. ,				, ,				
3 maliantana at	6 h	:										
	Layer (if observed):		eliand hydrology mu	ist be pr	esent, ur	iless alst	urbed or problematic.					
Туре:	<b>,</b> ,-											
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No				
Remarks:												
This data for	m is revised from No	rthcentral	and Northeast Regi	onal Su	pplement	Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,				
Version 7.0,	2015 Errata. (http://w	/ww.nrcs.	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)					



Project/Site: CHPE	- Route 22 - W	hitehall Section	City/0	County: Washington	Sa	mpling Date: 1	10/07/21		
Applicant/Owner:	CHPE			State:	NY	Sampling Point:	G-H-Up		
Investigator(s): KW,	KS	o, Range: <u>V</u>	Vhitehall						
Landform (hillside, te	rrace, etc.):	Toeslope	Local relief (concave, convex, none): Concave Slope %:						
Subregion (LRR or M	ILRA): LRR F	R, MLRA 142 La	t: 43°,34',14.58"N	Long: <u>73°,2</u>	25',22.06"W		Datum:		
Soil Map Unit Name:	Kingsbury Sil	t Loam		1	WI classifi	cation: <u>N</u>	one		
Are climatic / hydrolog	gic conditions o	on the site typical fo	or this time of year?	Yes X	No	(If no, exp	lain in Remarks.	)	
Are Vegetation	, Soil	, or Hydrology	significantly disturbed?	Are "Normal Cir	cumstances	s" present'	? Yes X	No	
Are Vegetation	, Soil	, or Hydrology	naturally problematic?	(If needed, expl	ain any ans	wers in Re	emarks.)		
SUMMARY OF F	INDINGS -	Attach site ma	ap showing sampling	point locations,	transec	ts, impo	rtant feature	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	res here or in a	separate 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)			
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 Re	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	s (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)						
Inundation Visible on Aerial Imagery (B7	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	No X Depth (inches):	Wetlan	Wetland Hydrology Present? Yes No X			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ections), if a	available:			
Remarks:						

Sampling Point: G-H-Up

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: <u>6</u> (B)					
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>16.7%</u> (A/B)					
7				Prevalence Index worksheet:					
		=Total Cover		Total % Cover of: Multiply by:					
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =					
1. Rhus typhina	10	Yes	UPL	FACW species x 2 =					
2. Lonicera tatarica	10	Yes	FACU	FAC species x 3 =					
3				FACU species x 4 =					
4				UPL species x 5 =					
5				Column Totals: (A)(B)					
6				Prevalence Index = B/A =					
7.				Hydrophytic Vegetation Indicators:					
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation					
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%					
1. Daucus carota	20	Yes	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>					
2. Cirsium arvense	10	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting					
3. Echinochloa crus-galli	10	Yes	FAC	data in Remarks or on a separate sheet)					
4. Lythrum salicaria	5	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)					
5. Arctium minus	5	No	FACU						
6			17.00	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.					
7.				Definitions of Vegetation Strata:					
8.				-					
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.					
10.									
11.				<b>Sapling/shrub</b> – 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					
	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. <u>Vitis aestivalis</u>	5	Yes	FACU	height.					
2.									
3.				Hydrophytic Vegetation					
4.				Present? Yes No X					
	5	=Total Cover							
Remarks: (Include photo numbers here or on a sepa									

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument th	ne indica	tor or co	nfirm the absence	of indicate	ors.)	
Depth	Matrix	-	Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarl	ks
0-12	10YR 3/2	100								
·										
						•				
						•				
	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.			ining, M=Mat	
Hydric Soil I	ndicators:						Indicators	for Proble	matic Hydri	c Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) ( <b>I</b>	_RR R,	2 cm M	uck (A10)	(LRR K, L, N	<b>ILRA 149B</b> )
Histic Ep	ipedon (A2)		MLRA 149B	)			Coast F	Prairie Red	lox (A16) ( <b>LR</b>	R K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9)	) (LRR R	MLRA 1	<b>49B</b> ) 5 cm M	ucky Peat	or Peat (S3)	(LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) ( <b>LRF</b>	R K, L)	Polyval	ue Below \$	Surface (S8)	(LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LR</b>	R K, L)	Thin Da	ark Surface	e (S9) ( <b>LRR H</b>	<b>(</b> , L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Ma	anganese I	Masses (F12)	) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmo	ont Floodpl	ain Soils (F1	9) ( <b>MLRA 149B</b> )
	ucky Mineral (S1)		Redox Dark Su		6)					4A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark		-			Irent Mater		,
	edox (S5)		Redox Depres						k Surface (F2	22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	•	- /			Explain in	-	,
	face (S7)		((	, _/				_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
<sup>3</sup> Indicators of	hydronhytic vegetat	ion and w	atland hydrology m	ist ha nr	asont ur	loce dieti	urbed or problematic.			
	aver (if observed):		ciana nyarology ma	ust be pi	coont, ui					
Type:	ayer (il observed).									
Depth (ir	nches):						Hydric Soil Prese	ent?	Yes	<u>No X</u>
Remarks:										
This data for	m is revised from No	rthcentral	and Northeast Regi	ional Su	pplement	Version 2	2.0 to include the NR	CS Field I	ndicators of H	Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	/ww.nrcs.u	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs142	2p2_051293.docx)			



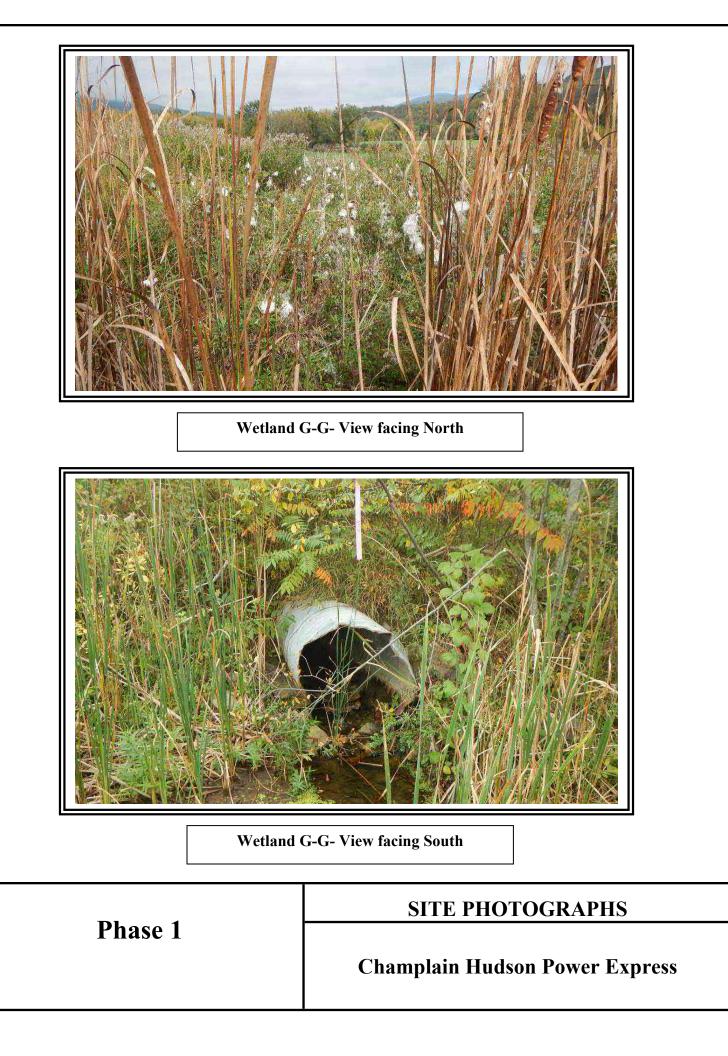
Project/Site: CHPE - Route 22 - W	hitehall Section	C	ity/County: Washin	gton		Sampling Date: 10/07/21			
Applicant/Owner: CHPE				State:	NY	Sampling Point: G-G-Wet			
Investigator(s): KW, KS			Section, Tov	wnship, Range: <u>V</u>	Vhiteha	II			
Landform (hillside, terrace, etc.):	Shoulders	Local reli	ef (concave, conve	x, none): <u>Concav</u>	/e	Slope %: 0			
Subregion (LRR or MLRA):         LRR R, MLRA 142         Lat:         40°,34',14,07"N         Long:         73°,25',16,24"W         Datum									
Soil Map Unit Name: Kingsbury Si	ty Clay			NWI classifi	cation:	PEM/PSS			
Are climatic / hydrologic conditions of	on the site typical for th	is time of year?	Yes X	No	(lf no, e	explain in Remarks.)			
Are Vegetation, Soil, or Hydrologysignificantly disturbed? Are "Normal Circumstances" present? Yes X No									
Are Vegetation, Soil	, or Hydrologyr	naturally problematic	? (If needed	l, explain any ans	swers in	ı Remarks.)			
SUMMARY OF FINDINGS -	Attach site map	showing sampli	ing point locat	ions, transec	ts, im	portant features, etc.			
Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled A	rea					
Hydric Soil Present?	Yes X	No	within a Wetland?	? Yes	Х	No			
Wetland Hydrology Present?	Yes X	No	If yes, optional We	tland Site ID:					
Remarks: (Explain alternative proc	edures here or in a se	parate 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)	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 T	Iled 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):	8 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previo	us inspections), if available:
Remarks:	

Sampling Point: G-G-Wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Populus deltoides	10	Yes	FAC	Number of Dominant Species
2				That Are OBL, FACW, or FAC: <u>3</u> (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:
	10	=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')				X 2 - Dominance Test is >50%
1. Typha latifolia	50	Yes	OBL	3 - Prevalence Index is $≤3.0^1$
2. Solidago gigantea	20	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Symphyotrichum novae-angliae	15	No	FACW	data in Remarks or on a separate sheet)
4. Lythrum salicaria	10	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Melilotus officinalis	10	No	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. Solidago altissima	10	No	FACU	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				<b>Tree</b> – 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
	115	=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				I hadron ha dia
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Profile Desc	ription: (Describe	to the dep	th needed to docu	ument th	ne indica	tor or co	onfirm the absence of i	indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	7.5YR 3/2	100						
6-14	7.5YR 3/1	97	10YR 4/6	3	С	М	Loamy/Clayey	Prominent redox concentrations
——								
17							21	Dens Linis a M. Matrix
Hydric Soil	oncentration, D=Dep	ietion, Rivi	-Reduced Matrix, N	/IS=IVIAS	ked Sand	i Grains.		=Pore Lining, M=Matrix.
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I			k (A10) ( <b>LRR K, L, MLRA 149B</b> )
	ipedon (A2)	-	MLRA 149B		ce (00) (i	LIXIX IX,		irie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surfa	,		MIRA 1		ky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)	-	High Chroma S		-			Below Surface (S8) (LRR K, L)
	Layers (A5)	-	Loamy Mucky					Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed			,,		ganese Masses (F12) ( <b>LRR K, L, R</b> )
	rk Surface (A12)	· · ·	Depleted Matri		,			Floodplain Soils (F19) ( <b>MLRA 149B</b> )
	lucky Mineral (S1)	-	X Redox Dark Su		6)			odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy G	leyed Matrix (S4)	-	Depleted Dark	Surface	(F7)		Red Parel	nt Material (F21)
Sandy R	edox (S5)	-	Redox Depress	sions (Fa	8)		Very Shal	low Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) ( <b>LR</b>	<b>R K, L</b> )			Other (Ex	plain in Remarks)
Dark Sur	face (S7)							
			etland hydrology mu	ust be pr	resent, ur	nless dist	urbed or problematic.	
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present	? Yes <u>X</u> No
Remarks:								
								S Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.u	sda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs142	2p2_051293.docx)	



Project/Site: CHPE	- Route 22 - V	Vhitehall Section	(	City/County: Washin	gton		Sampling Date: 1	0/07/21
Applicant/Owner:	CHPE				State:	NY	Sampling Point:	G-G-Up
Investigator(s): KW,	KS			Section, Tov	vnship, Range: <u>V</u>	Vhiteha	II	
Landform (hillside, ter	race, etc.):	Shoulders	Local re	lief (concave, conve	x, none):		Slope	%: 0
Subregion (LRR or MI	LRA): LRR I	R, MLRA 142	Lat: 40°,34',14,07"N	Long:	73°,25',16.24"W	1	Datum:	
Soil Map Unit Name:	Kingsbury S	ilty Clay			NWI classifi	ication:	None	
Are climatic / hydrolog	gic conditions	on the site typica	al for this time of year?	Yes X	No	(If no, e	explain in Remarks.)	)
Are Vegetation	, Soil	, or Hydrology	significantly disturbe	ed? Are "Norm	al Circumstance	s" pres	ent? Yes X N	No
Are Vegetation	, Soil	, or Hydrology	naturally problemation	c? (If needed	, explain any ans	swers ir	n Remarks.)	
SUMMARY OF F	INDINGS -	Attach site	map showing samp	ling point locati	ons, transec	ts, im	portant feature	es, etc.

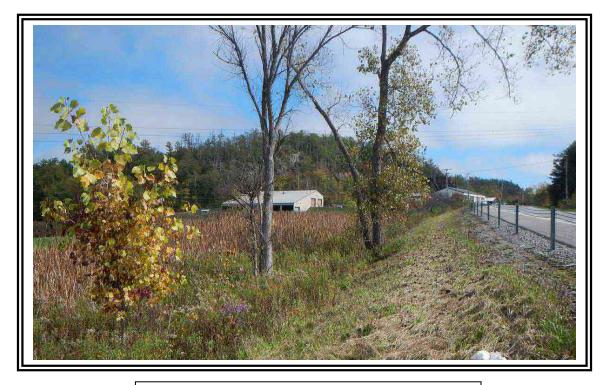
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area           within a Wetland?         Yes         NoX           If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedur	es here or in a	separate report.)	

Wetland Hydrology Indica	tors:				Secondary Indicators (min	nimum of two required)	
Primary Indicators (minimun	n of one is require	ed; check all	that apply)		Surface Soil Cracks (I	B6)	
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B10)		
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16	5)	
Saturation (A3)		Dry-Season Water Ta	ıble (C2)				
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1)	Crayfish Burrows (C8	)		
Sediment Deposits (B2)	)	Oxidize	ed Rhizospheres on Living I	Saturation Visible on A	Aerial Imagery (C9)		
Drift Deposits (B3)		Stunted or Stressed F	Plants (D1)				
Algal Mat or Crust (B4)		Recent	t Iron Reduction in Tilled Sc	oils (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)	)	
Inundation Visible on A	erial Imagery (B7	) Other (	Explain in Remarks)		Microtopographic Reli	ief (D4)	
Sparsely Vegetated Col	ncave Surface (B	38)			FAC-Neutral Test (D5	5)	
Field Observations:							
Surface Water Present?	Yes	No X	Depth (inches):				
Water Table Present?	Yes	No X	Depth (inches):				
Saturation Present?	Yes	No X	Depth (inches):	Wetlan	nd Hydrology Present?	Yes No X	
(includes capillary fringe)							
Describe Recorded Data (st	ream gauge, moi	nitoring well,	aerial photos, previous insp	pections), if	available:		
Remarks:							

Sampling Point: G-G-Up

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.     Populus deltoides       2.	15	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3				Total Number of Dominant Species Across All Strata: <u>6</u> (B)
5.           6.				Percent of Dominant Species That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
	15	=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
<u>Herb Stratum</u> (Plot size: 5')				2 - Dominance Test is >50%
1. Solidago altissima	25	Yes	FACU	3 - Prevalence Index is < 3.01
2. Asclepias syriaca	15	Yes	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Melilotus officinalis	15	Yes	FACU	data in Remarks or on a separate sheet)
	5	No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	5	<u> </u>	FAC	
<u> </u>				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6. <u>Echinochloa crus-galli</u>	15	Yes	FAC	be present, unless disturbed or problematic.
7	·			Definitions of Vegetation Strata:
8 9				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Harb All berbasseus (non woody) plants, regardlass
	80	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum         (Plot size: 30')           1.         Parthenocissus quinquefolia	5	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft in height.
2				Linder wheatin
3				Hydrophytic Vegetation
4				Present? Yes No X
	5	=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

	Matrix lor (moist) 0YR 5/2	%	1 touoi	x Featur	es			
<u> </u>	· · ·		Color (moist)	%		Loc <sup>2</sup>	Texture	Remarks
1	0YR 5/2		/			·		
							Loamy/Clayey	
	<u> </u>							
·		<u> </u>						
						·		
						·		
<sup>1</sup> Type: C=Concentra	ation D=Deple	tion RM		/S=Mas	ked Sand	Grains	<sup>2</sup> Location: PL=	Pore Lining, M=Matrix.
Hydric Soil Indicate				10 11140		oranio.		Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)			Polyvalue Belo	w Surfa	ce (S8) ( <b>L</b>	RR R.		(A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epipedon	(A2)	-	MLRA 149B			,		ie Redox (A16) ( <b>LRR K, L, R</b> )
Black Histic (A3			Thin Dark Surfa	,	(LRR R. I	MLRA 1		Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydrogen Sulfid		-	High Chroma S		-			elow Surface (S8) (LRR K, L)
Stratified Layers		-	Loamy Mucky I					Surface (S9) ( <b>LRR K, L</b> )
Depleted Below		(A11) -	Loamy Gleyed			. ,		nese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Dark Surfa			Depleted Matrix		,			loodplain Soils (F19) ( <b>MLRA 149B</b>
Sandy Mucky M		-	Redox Dark Su		6)			lic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy Gleyed N		-	Depleted Dark		-			Material (F21)
Sandy Redox (S		-	Redox Depress					w Dark Surface (F22)
Stripped Matrix	(S6)	-	Marl (F10) (LR	R K, L)				ain in Remarks)
Dark Surface (S	57)	-						
<sup>3</sup> Indicators of hydrop	hytic vegetatic	on and we	tland hydrology mι	ust be pr	esent, unle	ess distu	urbed or problematic.	
Restrictive Layer (i	f observed):							
Туре:								
Depth (inches):							Hydric Soil Present?	Yes No X



Upland G-G - View facing East



Upland G-G - View facing West

Phase 1

## SITE PHOTOGRAPHS

Project/Site: CHPE - Route 22 -	Whitehall Section	1		City/County: Washin	gton		Sam	pling Date:	10/07/21
Applicant/Owner: CHPE					Sta	ate: N	Y Sa	mpling Point:	G-F-Wet
Investigator(s): KW, KS				Section, Tov	wnship, Ran	ge: White	ehall		
Landform (hillside, terrace, etc.):	Drainage ditch		Local r	elief (concave, conve	x, none): <u>Co</u>	oncave		Slope	%: 0
Subregion (LRR or MLRA): LRF	R R, MLRA 142	Lat:	40°,33',35.24"N	Long:	73°,24',28.0	02"W		Datum:	
Soil Map Unit Name: Saprists					NWI cl	assificatio	on: <u>PEN</u>	/ (wet meado	w)
Are climatic / hydrologic condition	s on the site typica	al for t	his time of year?	Yes X	No	(lf n	o, explai	n in Remarks.	.)
Are Vegetation, Soil	, or Hydrology		significantly disturb	ed? Are "Norm	nal Circumst	ances" pi	resent?	Yes X	No
Are Vegetation, Soil	, or Hydrology		naturally problema	tic? (If needed	l, explain an	y answer	s in Rem	ıarks.)	
SUMMARY OF FINDINGS	– Attach site	map	showing sam	oling point locati	ions, tran	sects,	import	ant feature	etc.
Hydrophytic Vegetation Present	? Yes	х	No	Is the Sampled Ar	rea				
Hydric Soil Present?	Yes	Х	No	within a Wetland?	?	Yes X	No		
Wetland Hydrology Present?	Yes	Х	No	If yes, optional We	tland Site ID	:			

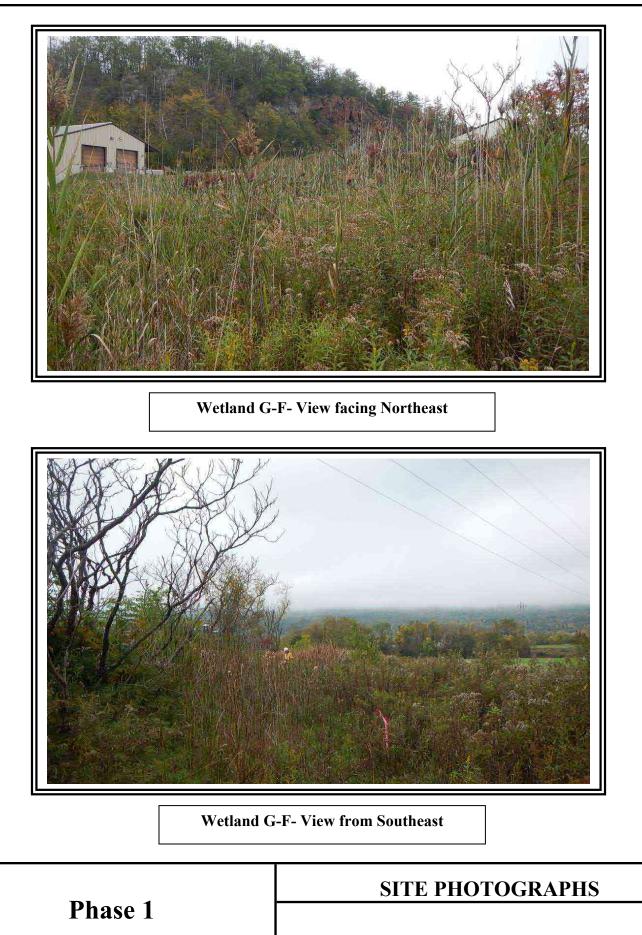
Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicate	ors:			Secondary Indicators (minimum of two required)			
Primary Indicators (minimum	of one is require	Surface Soil Cracks (B6)					
Surface Water (A1)		X Drainage Patterns (B10)					
High Water Table (A2)		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 So	oils (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)		Thin Muck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Ae	rial Imagery (B7)	) Other (Explain in Remarks)		Microtopographic Relief (D4)			
Sparsely Vegetated Con-	cave 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 X	No Depth (inches): 6	Wetlar	d Hydrology Present? Yes X No			
(includes capillary fringe)		· · · /	•				
(includes capillary tringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
	eam gauge, mor	nitoring well, aerial photos, previous ins	pections), if	available:			
	eam gauge, mor	nitoring well, aerial photos, previous ins	pections), if	available:			
	eam gauge, mor	nitoring well, aerial photos, previous ins	pections), if	available:			
	eam gauge, moi	nitoring well, aerial photos, previous ins	pections), if	available:			
Describe Recorded Data (stre	eam gauge, moi	nitoring well, aerial photos, previous ins	pections), if	available:			
Describe Recorded Data (stre	eam gauge, moi	nitoring well, aerial photos, previous ins	pections), if	available:			
Describe Recorded Data (stre	eam gauge, moi	nitoring well, aerial photos, previous ins	pections), if	available:			
Describe Recorded Data (stre	eam gauge, moi	nitoring well, aerial photos, previous ins	pections), if	available:			
Describe Recorded Data (stre	eam gauge, moi	nitoring well, aerial photos, previous ins	pections), if	available:			
Describe Recorded Data (stre	eam gauge, moi	nitoring well, aerial photos, previous ins	pections), if	available:			
Describe Recorded Data (stre	eam gauge, moi	nitoring well, aerial photos, previous ins	pections), if	available:			
Describe Recorded Data (stre	eam gauge, moi	nitoring well, aerial photos, previous ins	pections), if	available:			

Sampling Point: G-F-Wet

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1.		Species	Status	Dominance rest worksheet.	
2.				Number of Dominant SpeciesThat Are OBL, FACW, or FAC:3(A)	.)
3.					
4.				Total Number of Dominant         Species Across All Strata:         4         (B)	)
5				Percent of Dominant Species	
6					/B)
7				Prevalence Index worksheet:	
		=Total Cover		Total % Cover of:Multiply by:	
Sapling/Shrub Stratum (Plot size: 15' )				OBL species x 1 =	
1. Populus deltoides	5	Yes	FAC	FACW species x 2 =	
2				FAC species x 3 =	
3				FACU species x 4 =	
4				UPL species x 5 =	
5				Column Totals: (A)	(B)
6				Prevalence Index = B/A =	
7.				Hydrophytic Vegetation Indicators:	
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%	
1. Phalaris arundinacea	30	Yes	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>	
2. Solidago altissima	20	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide suppor	rting
3. Lythrum salicaria	20	Yes	OBL	data in Remarks or on a separate sheet)	
4. Impatiens capensis	5	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
5. Eupatorium maculatum	5	No	OBL		- 4
6. Typha latifolia	5	No	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	ST
7. Phragmites australis	5	No	FACW	Definitions of Vegetation Strata:	
8.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in	
9.				diameter at breast height (DBH), regardless of heigh	ht.
10				Sapling/shrub – Woody plants less than 3 in. DBH	1
11				and greater than or equal to 3.28 ft (1 m) tall.	
12	90	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.	ess
Woody Vine Stratum (Plot size: 30')					
1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft height.	t in
2.					
3.				Hydrophytic Vegetation	
4.				Present? Yes X No	
		=Total Cover			
Remarks: (Include photo numbers here or on a sepa	rate sheet.)				

Profile Desc	cription: (Describe	to the de	epth needed to docu	ument tl	he indica	tor or co	onfirm the absence of	f indicators.)
Depth	Matrix		Redo	x Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 4/2	100						
6-16	10YR 2/1	95	7.5YR 5/6	5	С	М	Loamy/Clayey	Prominent redox concentrations
						Creine	21 continue D	
Hydric Soil		letion, Ri	M=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.		L=Pore Lining, M=Matrix. or Problematic Hydric Soils <sup>3</sup> :
Histosol Histic Ep Black Hi Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy F Stripped Dark Su	(A1) pipedon (A2) stic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Sleyed Matrix (S4) Redox (S5) I Matrix (S6) rface (S7) f hydrophytic vegetal	tion and v	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Depleted Matri X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	) Sands (S Mineral Matrix ( x (F3) urface (F Surface sions (F <b>R K, L</b> )	) ( <b>LRR R</b> 511) ( <b>LRF</b> (F1) ( <b>LRF</b> (F2) 56) 56) 57) 8)	MLRA 1 R K, L) R K, L)	2 cm Mu Coast Pr 5 cm Mu Polyvalue Thin Dar Iron-Man Piedmon Mesic Sp Red Pare Very Sha	ck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R) e Below Surface (S8) (LRR K, L) k Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) th Floodplain Soils (F19) (MLRA 149B) bodic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) xplain in Remarks)
	Layer (if observed):							
Type:							Ukudnia Cail Duasau	
Depth (ii	ncnes):						Hydric Soil Preser	nt? Yes <u>X</u> No
			।l and Northeast Regi .usda.gov/Internet/FS					CS Field Indicators of Hydric Soils,



Project/Site: CHPE	- Route 22 - V	Vhitehall Section		City/County: Washin	gton		Sampling Date: 1	10/07/21
Applicant/Owner:	CHPE				State:	NY	Sampling Point:	G-F-Up
Investigator(s): KW,	KS			Section, To	wnship, Range: <u>\</u>	Whitehall		
Landform (hillside, ter	race, etc.):	Drainage ditch/ n	neadow Local	relief (concave, conve	x, none):		Slope	%: 0
Subregion (LRR or M	LRA): LRR F	R, MLRA 142	Lat: 40°,33',35.24"N	Long:	73°,24',28.02"W	/	Datum:	
Soil Map Unit Name:	Saprists				NWI classif	ication:	None	
Are climatic / hydrolog	gic conditions	on the site typical	for this time of year?	Yes X	No	(If no, e	xplain in Remarks.	)
Are Vegetation	, Soil	, or Hydrology	significantly distur	bed? Are "Norn	nal Circumstance	es" prese	nt? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problema	atic? (If needed	l, explain any an	swers in	Remarks.)	
SUMMARY OF F	INDINGS -	Attach site n	nap showing sam	pling point locat	ions, transec	ts, imp	oortant feature	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	res here or in a	separate report.)	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is requi	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	oots (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) 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)		
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ections), if available:
Remarks:		

Sampling Point: G-F-Up

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:       2         (B)
5				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 0 x 1 = 0
1				FACW species 5 x 2 = 10
2.				FAC species 25 x 3 = 75
3.				FACU species 65 x 4 = 260
4.				UPL species 0 x 5 = 0
F				Column Totals: 95 (A) 345 (B)
				Prevalence Index = $B/A = 3.63$
o 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. Solidago altissima	50	Yes	FACU	$3 - Prevalence Index is \leq 3.0^1$
2. Melilotus officinalis	15	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Echinochloa crus-galli	25	Yes	FAC	data in Remarks or on a separate sheet)
4. Phragmites australis	5	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
		NU	FACW	
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				<b>Tree</b> – 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	95	=Total Cover		<b>Herb</b> – 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.				<b>Woody vines</b> – 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 separ	ate sheet.)			1
	/			

Depth (inches) 0-12	Matuit						onfirm the absence of inc	
	Matrix			x Featur	es	<u> </u>		
0-12	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	7.5YR 4/3						Loamy/Clayey	
						·		
	centration, D=Deple	etion, RM=	Reduced Matrix, N	//S=Mas	ked Sand	Grains.		ore Lining, M=Matrix.
Hydric Soil Ind								roblematic Hydric Soils <sup>3</sup> :
Histosol (A		-	Polyvalue Belo		ce (S8) (I	LRR R,		A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epip			MLRA 149B	,				e Redox (A16) ( <b>LRR K, L, R</b> )
Black Histi		-	Thin Dark Surf		-			Peat or Peat (S3) (LRR K, L, R)
	Sulfide (A4)	_	High Chroma S					elow Surface (S8) (LRR K, L)
	ayers (A5)	-	Loamy Mucky			R K, L)		urface (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			ese Masses (F12) ( <b>LRR K, L, R</b> )
	(Surface (A12)	_	Depleted Matri				Piedmont Flo	oodplain Soils (F19) ( <b>MLRA 149B</b>
	cky Mineral (S1)	_	Redox Dark Su					c (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy Gle	yed Matrix (S4)	_	Depleted Dark	Surface	(F7)			Material (F21)
Sandy Rec	dox (S5)	_	Redox Depres	•	8)		Very Shallov	v Dark Surface (F22)
Stripped M	latrix (S6)	-	Marl (F10) ( <b>LR</b>	R K, L)			Other (Expla	in in Remarks)
Dark Surfa	ace (S7)							
<sup>3</sup> Indicators of h	ydrophytic vegetatio	on and we	tland hydrology m	ust be pr	resent, ur	nless distu	urbed or problematic.	
	yer (if observed):							
Туре:								
	hes):						Hydric Soil Present?	Yes <u>No X</u>



Project/Site: CHPE	- Route 22 - V	Nhitehall Section	1		City/County: W	/ashin	gton		Sampling Date: 10/0	17/21
Applicant/Owner:	CHPE						State:	NY	Sampling Point: G	-E-Wet
Investigator(s): KW,	KS				Sectio	n, To،	wnship, Range: <u>N</u>	Nhiteha	all	
Landform (hillside, ter	race, etc.):	Footslope		Local r	relief (concave,	conve	ex, none): <u>Conca</u>	ve	Slope %:	0
Subregion (LRR or MI	_RA): <u>LRR</u>	R, MLRA 142	Lat:	43°,34',06.63"N	I	_ong:	73°,24',51.72"W	/	Datum:	
Soil Map Unit Name:	Kingsbury S	lity Clay					NWI classif	ication:	PEM/SS	
Are climatic / hydrolog	ic conditions	on the site typica	al for f	this time of year?	Yes	Х	No	(lf no, e	explain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology		significantly disturb	oed? Are	"Norm	nal Circumstance	s" pres	ent? Yes <u>X</u> No	
Are Vegetation	, Soil	, or Hydrology		naturally problemat	tic? (If n	eedec	d, explain any an	swers ir	ו Remarks.)	
SUMMARY OF F	INDINGS -	- Attach site	map	showing same	pling point l	ocati	ions, transec	ts, im:	portant features,	etc.
Hydrophytic Vegetati	on Present?	Yes	х	No	Is the Samp	led A	rea			
Hydric Soil Present?		Yes	Х	No	within a Wet	tland?	? Yes	Х	No	
Wetland Hydrology F	'resent?	Yes	Х	No	If yes, option	al We	tland Site ID:			
Remarks: (Explain a	Iternative pro	ocedures here or	in a s	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)	X Water-Stained Leaves (B9)		X Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (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)	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 X	No Depth (inches): 4		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Donth (inches): 2	14/- 41	d Hudralaau Draaant? Vaa V Na
Saturation Present? Yes X	No Depth (inches): 2	vvetian	d Hydrology Present? Yes X No
(includes capillary fringe)	No Depth (inches). 2	wetian	a Hydrology Present? Yes 🗡 No
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			

Sampling Point: G-E-Wet

Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
15	Yes	FACW	Number of Deminent Cressies	
10	Yes	FACU		(A)
3	No	FACU	Total Number of Dominant	
3	No	FAC		(B)
			Porcent of Dominant Species	
				(A/
			Prevalence Index worksheet:	
31	=Total Cover		Total % Cover of: Multiply by:	
)			OBL species x 1 =	
10	Yes	FACW	FACW species x 2 =	
10	Yes	FAC	FAC species x 3 =	
3	No	UPL	FACU species x 4 =	
3	No	FACU	UPL species x 5 =	
10	Yes	FACW	Column Totals: (A)	
			Prevalence Index = B/A =	
_			Hydrophytic Vegetation Indicators:	
36	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
			X 2 - Dominance Test is >50%	
10	Yes	OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>	
3	No	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide sup	por
5	Yes	OBL	data in Remarks or on a separate sheet)	
5	Yes	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explai	in)
			<sup>1</sup> Indicators of hydric soil and watland hydrology r	2010
			be present, unless disturbed or problematic.	nus
			Definitions of Vegetation Strata:	
			<b>Tree</b> – Woody plants 3 in $(7.6 \text{ cm})$ or more in	
			diameter at breast height (DBH), regardless of h	eig
			Sanling/shrub - Woody plants less than 3 in D	RН
			and greater than or equal to 3.28 ft (1 m) tall.	
			Herb – All herbaceous (non-woody) plants, rega	rdlø
	=Total Cover			un
23			of size, and woody plants less than 3.28 ft tall.	
)				'8 f
_)			Woody vines – All woody vines greater than 3.2 height.	8 f
)			Woody vines – All woody vines greater than 3.2 height.	8 f
)			Woody vines – All woody vines greater than 3.2 height. Hydrophytic	:8 f
_)			Woody vines – All woody vines greater than 3.2 height.	8 f
	$ \begin{array}{c} 10\\ 3\\ 3\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\$	10       Yes         3       No         3       No         3       No         31       =Total Cover         31       =Total Cover         10       Yes         3       No         3       No         3       No         3       No         3       No         3       No         36       =Total Cover         10       Yes         36       =Total Cover         10       Yes         36       =Total Cover         10       Yes         36       > Yes         3       No         5       Yes	10         Yes         FACU           3         No         FACU           3         No         FAC           3         No         FAC           3         No         FAC           31         =Total Cover	I0       Yes       FACU         3       No       FACU         3       No       FACU         3       No       FAC         31       =Total Cover       Total % Cover of:       Multiply by:         0       Yes       FAC         10       Yes       FAC       FAC species       x 1 =         10       Yes       FACU       FAC species       x 3 =         10       Yes       FACU       UPL species       x 4 =       UPL species       x 4 =         3       No       GBL       Column Totals:       (A)

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument th	ne indica	ator or c	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
<u> </u>	· · · · ·	400						
0-8	7.5YR 4/1	100					·	
8-15	7.5YR 3/1	97	10YR 4/6	3	С	М	Mucky Loam/Clay	Prominent redox concentrations
							·	
	naontration D-Dan	lation DM	-Doduced Matrix				<sup>2</sup> Leastion: D	L=Pore Lining, M=Matrix.
	oncentration, D=Dep	ietion, Rivi	-Reduced Matrix, N	/IS-IVIAS	keu Sano	i Grains.		
Hydric Soil I			Daharaha Dah	0				or Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo		ce (58) (	LRR R,		ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
	ipedon (A2)		MLRA 149B	·				airie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surfa		-			cky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) ( <b>LRR K, L</b> )
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LR</b> I	R K, L)	Thin Dar	k Surface (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Man	iganese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmon	t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy M	lucky Mineral (S1)		X Redox Dark Su	urface (F	6)		Mesic Sp	oodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	ent Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Sha	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (E	xplain in Remarks)
Dark Sur	face (S7)							
<sup>3</sup> Indicators of	hydrophytic vegetat	tion and w	etland hydrology mι	ust be pr	resent, ur	nless dis	turbed or problematic.	
	_ayer (if observed):							
Type:								
Depth (ir	ches):						Hydric Soil Preser	nt? Yes X No
Deptil (il	iciles).						Tryunc Son Fresen	
Remarks:								
								S Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.u	usda.gov/Internet/FS	SE_DOC	JUMENT	S/nrcs14	12p2_051293.docx)	



Wetland G-E- View facing East



Wetland G-E- View facing North

Phase 1

# SITE PHOTOGRAPHS

**Champlain Hudson Power Express** 

Project/Site: CHF	PE - Route 22 - V	Vhitehall Section	City/Co	ounty: Washington		Sampling Date: 1	10/07/21
Applicant/Owner:	CHPE			Sta	ate: NY	Sampling Point:	G-E-Up
Investigator(s): K	N, KS			Section, Township, Ran	ge: Whiteh	all	
Landform (hillside,	terrace, etc.):	Footslope	Local relief (co	oncave, convex, none): <u>Co</u>	oncave	Slope	%: 0
Subregion (LRR or	MLRA): LRR	R, MLRA 142 La	at: 43°,34',06.63"N	Long: 73°,24',51.	72"W	Datum:	
Soil Map Unit Nam	e: Kingsbury S	ilty Clay		NWI cl	assification	: None	
Are climatic / hydro	logic conditions	on the site typical f	or this time of year?	Yes <u>X</u> No	(If no,	, explain in Remarks.	)
Are Vegetation	, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumst	ances" pre	sent? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problematic?	(If needed, explain an	y answers	in Remarks.)	
SUMMARY OF	FINDINGS -	- Attach site m	ap showing sampling <b>p</b>	ooint locations, tran	sects, ir	nportant feature	es, etc.

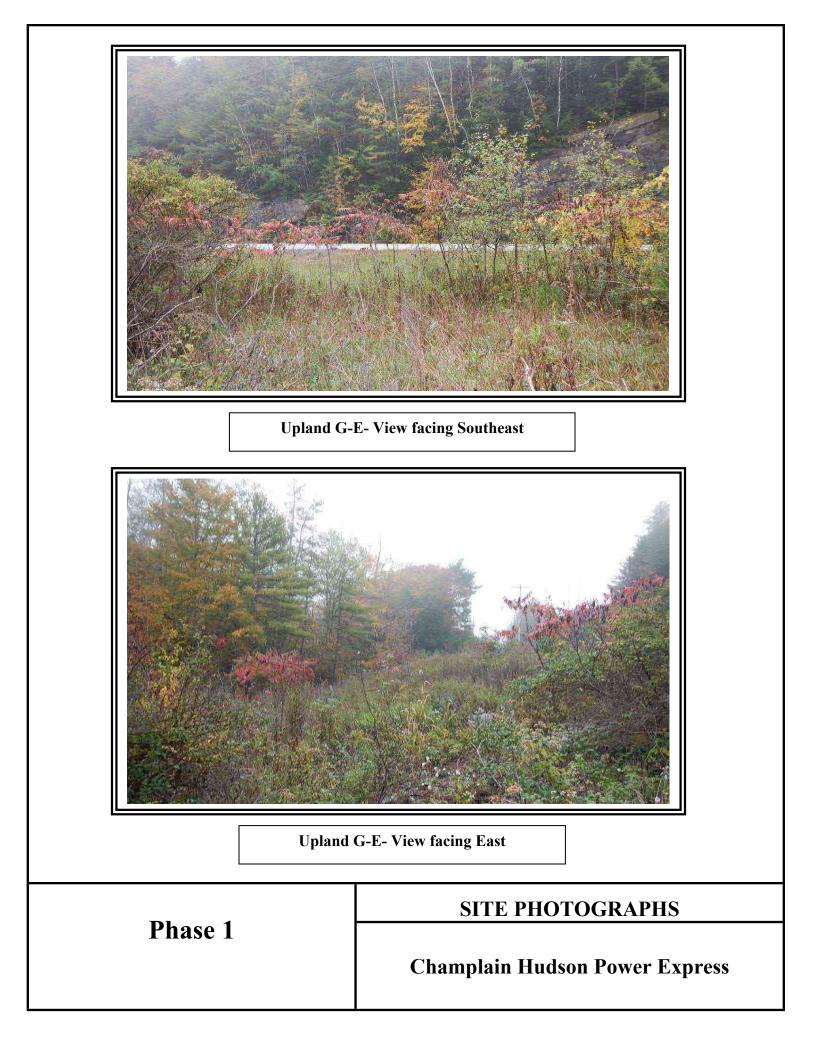
Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ	ired; 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 Ro	oots (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)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (E	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):	Wetlan	d Hydrology Present? Yes No X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, m	onitoring well aerial photos previous inspe	ationa) if	aveilable:
	,,,,	ections), ir a	
Remarks:		ections), il a	avaliauje.

Sampling Point: G-E-Up

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:	
1. Tilia americana	3	Species? Yes	Status FACU	Dominance Test worksheet.	
	3		FACU	Number of Dominant Species	0 (A)
		Yes	FACU	That Are OBL, FACW, or FAC:	0 (A)
3				Total Number of Dominant	- (D)
4				Species Across All Strata:	<u>7</u> (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')					x 1 =
1. Hamamelis virginiana	3	No	FACU		x 2 =
2. Rhus typhina	20	Yes	UPL		x 3 =
3. Rubus allegheniensis	20	Yes	UPL		x 4 =
1					x 5 =
5.					(A) (B)
6				Prevalence Index = B/A	· · · · · ·
7				Hydrophytic Vegetation Indic	
1.	43	=Total Cover		1 - Rapid Test for Hydroph	
<u>Herb Stratum</u> (Plot size: 5')				2 - Dominance Test is >50	-
· · · · · · · · · · · · · · · · · · ·	15	Vee		<u> </u>	
1. Polystichum acrostichoides	15	Yes	FACU	3 - Prevalence Index is ≤3.	
2. Luzula multiflora	10	Yes	FACU	4 - Morphological Adaptation data in Remarks or on a	
3. <u>Solidago altissima</u>	25	Yes	FACU		
4				Problematic Hydrophytic V	egetation' (Explain)
5				<sup>1</sup> Indicators of hydric soil and we	
6				be present, unless disturbed or	
7				Definitions of Vegetation Stra	nta:
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 3.2	
12				Herb – All herbaceous (non-wo	odv) plants, regardless
	50	=Total Cover		of size, and woody plants less t	
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vine	s greater than 3 28 ft in
1				height.	s groater than 0.20 it in
2.					
3.				Hydrophytic Vegetation	
4.				Present? Yes	No X
		=Total Cover			
Remarks: (Include photo numbers here or on a sepa	rate sheet )				
······· (	,				

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument tl	he indica	ator or co	onfirm the absence of indi	cators.)
Depth	Matrix		Redo	x Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-8	10YR 4/3						Loamy/Clayey	
8-12	10YR 4/2						Loamy/Clayey	
							·	
							·	
1		<u> </u>						
	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		ore Lining, M=Matrix.
Hydric Soil			Polyvalue Belo		co (S8) (			oblematic Hydric Soils <sup>3</sup> :
Histosol	oipedon (A2)		MLRA 149B		ce (30) (	LKK K,		.10) ( <b>LRR K, L, MLRA 149B</b> ) Redox (A16) ( <b>LRR K, L, R</b> )
Black Hi			Thin Dark Surfa	,		MIDA		Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					low Surface (S8) (LRR K, L)
	l Layers (A5) l Below Dark Surface	(411)	Loamy Mucky Loamy Gleyed			κ κ, <b>μ</b> )		face (S9) ( <b>LRR K, L</b> ) ese Masses (F12) ( <b>LRR K, L, R</b> )
	ark Surface (A12)		Depleted Matri		12)			odplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		-6)			(TA6) (MLRA 144A, 145, 149B)
	Bleyed Matrix (S4)		Depleted Dark	`	,		Red Parent M	
	ledox (S5)		Redox Depress					Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>		0)			n in Remarks)
	rface (S7)							n in Ronarkoy
	. ,							
<sup>3</sup> Indicators of	f hydrophytic vegetat	ion and w	etland hydrology mι	ust be pr	resent, ui	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present?	Yes <u>No X</u>
Remarks:							•	
			•					eld Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	/ww.nrcs.u	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	



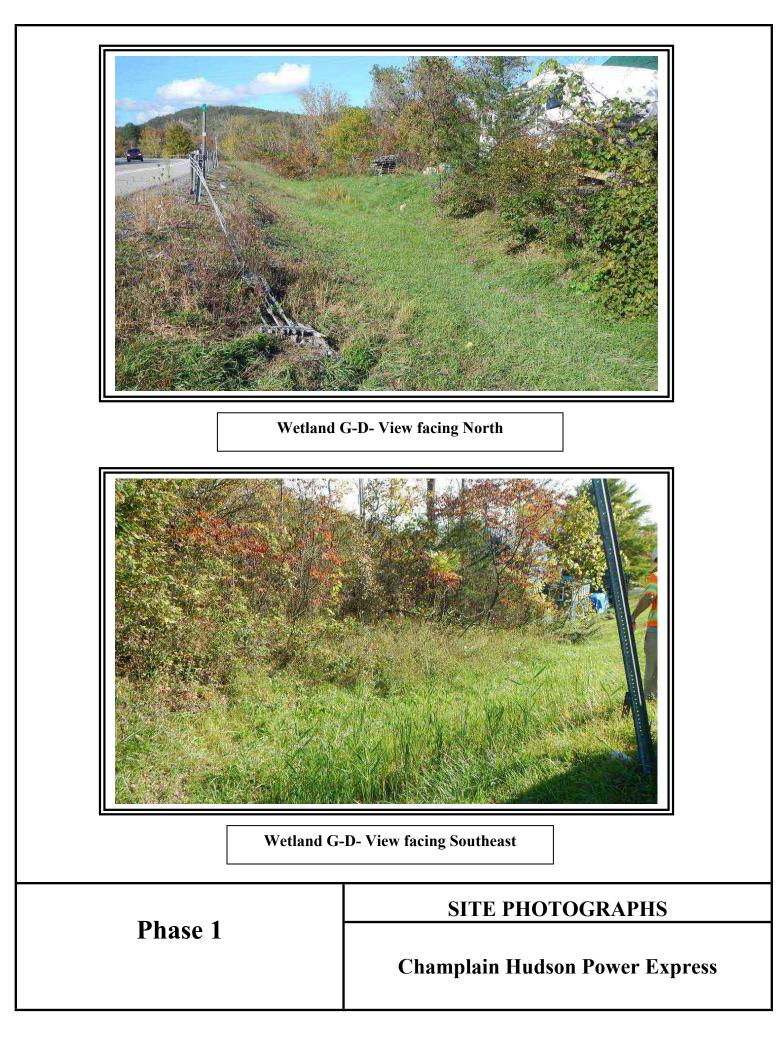
Project/Site: CHPE ·	- Route 22 -	Whitehall Section	1		City/County: W	ashin	gton		Sampling Date: 10/	/06/21
Applicant/Owner:	CHPE						State:	NY	Sampling Point:	G-D-Wet
Investigator(s): KW, I	KS				Section	n, Tov	vnship, Range:	Whiteha	all	
Landform (hillside, terr	race, etc.):	Roadside ditch		Local r	relief (concave, c	conve	x, none): <u>Conca</u>	ave	Slope %	: 0
Subregion (LRR or ML	_RA): <u>LRR</u>	R, MLRA 142	Lat:	43°,33',52.35"N	L	ong:	73°,24',23.46"\	N	Datum:	
Soil Map Unit Name:	Vergennes	Silty Clay Loam					NWI class	ification	PEM (wet meadow)	
Are climatic / hydrolog	ic conditions	on the site typica	al for	this time of year?	Yes	Х	No	(lf no,	explain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology		significantly disturb	oed? Are '	"Norm	al Circumstanc	es" pres	ent? Yes <u>X</u> No	<u></u> נ
Are Vegetation	, Soil	, or Hydrology		naturally problema	itic? (If ne	eeded	l, explain any ai	nswers i	n Remarks.)	
SUMMARY OF F		<ul> <li>Attach site</li> </ul>	map	showing sam	pling point lo	ocati	ons, transe	cts, in	nportant features	, etc.
Hydrophytic Vegetati	on Present?	Yes	х	No	Is the Sample	ed Ar	ea			
Hydric Soil Present?		Yes	Х	No	within a Wet	land?	Yes	s <u>X</u>	No	
Wetland Hydrology P	Present?	Yes	Х	No	If yes, optiona	al We	tland Site ID:			
Remarks: (Explain a	Iternative pro	ocedures here or	in a s	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)	X 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 Re	oots (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	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	8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 1		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Depth (inches): 2	Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 2	Wetlan	d Hydrology Present? Yes X No
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo Remarks:			
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(includes capillary fringe) Describe Recorded Data (stream gauge, mo Remarks:			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo Remarks:			

Sampling Point: G-D-Wet

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: 3 (A)
3.				Total Number of Dominant Species Across All Strata: 3 (B)
4 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 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A)(B)
6				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Typha latifolia	30	Yes	OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Phragmites australis	20	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Lythrum salicaria	15	Yes	OBL	data in Remarks or on a separate sheet)
4. Carex stricta	5	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Daucus carota	5	No	UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				<b>Tree</b> – 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
	75	=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				I hadne a hadi e
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)	-		
Mowed roadside ditch.				
			-	

<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.         Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,         Histic Epipedon (A2)       MLRA 149B)         Histic Epipedon (A2)       MLRA 149B)         Histic Epipedon (A2)       MLRA 149B)         Stratified Layers (A5)       Loamy Mucky Mineral (F1) (LRR K, L)         Stratified Layers (A5)       Loamy Mucky Mineral (F1)         Thin Dark Surface (A11)       Loamy Gleyed Matrix (F2)         Thick Dark Surface (A12)       Depleted Matrix (F3)		
Image:	0-10 7.5YR 3/1 95 7.5YR 6/6 5 C M Loa	amy/Clayey Prominent redox concentrations
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         Sandy Gleyed Matrix (S4)       Depleted Dark Surface (F7)       Red Parent Material (F21)         Sandy Redox (S5)       ?       Redox Depressions (F8)       Very Shallow Dark Surface (F22)         Dark Surface (S7)       Sandy Chrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)         Dark Surface (S7)       Thin Demark Surface (S7)       Sandy Gleyer (If observed):       Tripe:		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         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) <sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Trype:		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         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)       Pieldmont recomplematic.         **       Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         **       Type:		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         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) <sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Trype:		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         Sandy Gleyed Matrix (S4)       Depleted Dark Surface (F7)       Red Parent Material (F21)         Sandy Redox (S5)       ?       Redox Depressions (F8)       Very Shallow Dark Surface (F22)         Dark Surface (S7)       Sandy Chrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)         Bartipeed Matrix (S6)       Marl (F10) (LRR K, L)       Other (Explain in Remarks)         Dar		
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Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 14         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 14         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)       Salt (F observed):       Type:         Type:		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         Sandy Gleyed Matrix (S4)       Depleted Dark Surface (F7)       Red Parent Material (F21)         Sandy Redox (S5)       ?       Redox Depressions (F8)       Very Shallow Dark Surface (F22)         Dark Surface (S7)       Sandy Chrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)         Bartipeed Matrix (S6)       Marl (F10) (LRR K, L)       Other (Explain in Remarks)         Dar		
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Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         Sandy Gleyed Matrix (S4)       Depleted Dark Surface (F7)       Red Parent Material (F21)         Sandy Redox (S5)       ?       Redox Depressions (F8)       Very Shallow Dark Surface (F22)         Dark Surface (S7)       Sandy Chrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)         Dark Surface (S7)       Thin Demark Surface (S7)       Sandy Gleyer (If observed):       Tripe:		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         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)       Stripped in Remarks)       Dark Surface (S7) <sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)         Type:		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         Sandy Gleyed Matrix (S4)       Depleted Dark Surface (F7)       Red Parent Material (F21)         Sandy Redox (S5)       ?       Redox Depressions (F8)       Very Shallow Dark Surface (F22)         Dark Surface (S7)       Sandy Chrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)         Dark Surface (S7)       Thin Demark Surface (S7)       Sandy Gleyer (If observed):       Tripe:		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 14         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 14         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)       Salt (F observed):       Type:         Type:		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         Sandy Gleyed Matrix (S4)       Depleted Dark Surface (F7)       Red Parent Material (F21)         Sandy Redox (S5)       ?       Redox Depressions (F8)       Very Shallow Dark Surface (F22)         Dark Surface (S7)       Sandy Chrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)         Dark Surface (S7)       Thin Demark Surface (S7)       Sandy Gleyer (If observed):       Tripe:		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         Sandy Gleyed Matrix (S4)       Depleted Dark Surface (F7)       Red Parent Material (F21)         Sandy Redox (S5)       ?       Redox Depressions (F8)       Very Shallow Dark Surface (F22)         Dark Surface (S7)       Sandy Chrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)         Dark Surface (S7)       Thin Demark Surface (S7)       Sandy Gleyer (If observed):       Tripe:		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils <sup>3</sup> :         Histosol (A1)       Polyvalue Below Surface (S8) (LRR R,       2 cm Muck (A10) (LRR K, L, MLRA 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, 142)         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 142)         Sandy Gleyed Matrix (S4)       Depleted Dark Surface (F7)       Red Parent Material (F21)         Sandy Redox (S5)       ?       Redox Depressions (F8)       Very Shallow Dark Surface (F22)         Dark Surface (S7)       Sandy Chrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Other (Explain in Remarks)         Dark Surface (S7)       Thin Demark Surface (S7)       Sandy Gleyer (If observed):       Tripe:		2
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,         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, 14         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F7)       Red Parent Material (F21)         Sandy Redox (S5)       ? Redox Depressions (F8)       Very Shallow Dark Surface (F22)         Stripped Matrix (S6)       Marl (F10) (LRR K, L)       Other (Explain in Remarks)         Dark Surface (S7)       Thin Remarks)       Other (Explain in Remarks) <sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Type:		-
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, L)         Hydrogen Sulfide (A4)       High Chroma Sands (S11) (LRR K, L)       Polyvalue Below Surface (S8) (LRR K, L)         Stratified Layers (A5)       Loamy Mucky Mineral (F1) (LRR K, L)       Thin Dark Surface (S9) (LRR K, L)         Depleted Below Dark Surface (A11)       Loamy Gleyed Matrix (F2)       Iron-Manganese Masses (F12) (LRR K, L)         Thick Dark Surface (A12)       Depleted Matrix (F3)       Piedmont Floodplain Soils (F19) (MLRA 145, 14         Sandy Mucky Mineral (S1)       X       Redox Dark Surface (F7)       Red Parent Material (F21)         Sandy Redox (S5)       ?       Redox Depressions (F8)       Very Shallow Dark Surface (F22)         Stripped Matrix (S6)       Marl (F10) (LRR K, L)       Other (Explain in Remarks)         Dark Surface (S7)       Third Dark Surface (S7)       Strippet (Grower):         Type:	•	-
Black Histic (A3)       Thin Dark Surface (S9) (LRR R, MLRA 149B)       5 cm Mucky Peat or Peat (S3) (LRR K, L, Polyvalue Below Surface (S8) (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, 14         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 14         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)       Satistrified Layer (if observed):       Type:		
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 1         Sandy Mucky Mineral (S1)       X Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 14A, 14A, 145, 14A, 14A, 14A, 14A, 14A, 14A, 14A, 14A		
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 1         Sandy Mucky Mineral (S1)       X       Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 14         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)       Thin Remarks)       Thin Remarks         3 <sup>1</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (if observed):         Type:		
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 1         Sandy Mucky Mineral (S1)       X       Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 14         Sandy Gleyed Matrix (S4)       Depleted Dark Surface (F7)       Red Parent Material (F21)       Sandy Redox (S5)       ?         Stripped Matrix (S6)       Marl (F10) (LRR K, L)       Other (Explain in Remarks)         Dark Surface (S7)       3 <sup>1</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Restrictive Layer (if observed):         Type:		
Thick Dark Surface (A12)       Depleted Matrix (F3)       Piedmont Floodplain Soils (F19) (MLRA 1         Sandy Mucky Mineral (S1)       X       Redox Dark Surface (F6)       Mesic Spodic (TA6) (MLRA 144A, 145, 14         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):         Type:		Iron-Manganese Masses (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 (F22)         Stripped Matrix (S6)       Marl (F10) (LRR K, L)       Other (Explain in Remarks)         Dark Surface (S7)       3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (if observed):         Type:		Piedmont Floodplain Soils (F19) (MLRA 149
Sandy Redox (S5)       ? Redox Depressions (F8)       Very Shallow Dark Surface (F22)         Stripped Matrix (S6)       Marl (F10) (LRR K, L)       Other (Explain in Remarks)         Dark Surface (S7)       3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (if observed):         Type:	Sandy Mucky Mineral (S1) X Redox Dark Surface (F6)	Mesic Spodic (TA6) ( <b>MLRA 144A, 145, 149E</b>
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:	Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7)	Red Parent Material (F21)
Dark Surface (S7) <sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (if observed):         Type:	Sandy Redox (S5) ? Redox Depressions (F8)	Very Shallow Dark Surface (F22)
<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:	Stripped Matrix (S6) Marl (F10) (LRR K, L)	Other (Explain in Remarks)
Restrictive Layer (if observed): Type:	Dark Surface (S7)	
Restrictive Layer (if observed): Type:		
Туре:		or problematic.
Depth (inches): Hydric Soil Present? Yes No		
	Туре:	



Project/Site: CHPE	- Route 22 - W	/hitehall Section		City/County: Washing	gton		Sampling Date: 1	0/06/21
Applicant/Owner:	CHPE				State:	NY	Sampling Point:	G-D-Up
Investigator(s): KW,	KS			Section, Tov	vnship, Range: <u>V</u>	Vhitehal	I	
Landform (hillside, ter	race, etc.):	Roadside ditch	Local r	relief (concave, conve	k, none): <u>Conca</u> v	/e	Slope %	%:0
Subregion (LRR or MI	RA): LRR F	R, MLRA 142	Lat: 40°,33',35.24"N	Long:	73°,24',28.02"W	1	Datum:	
Soil Map Unit Name:	Vergennes S	ilty Clay Loam			NWI classif	ication:	None	
Are climatic / hydrolog	ic conditions o	on the site typica	I for this time of year?	Yes X	No	(If no, e	explain in Remarks.)	)
Are Vegetation	, Soil	, or Hydrology	significantly disturb	ed? Are "Norm	al Circumstance	s" prese	ent? Yes <u>X</u> N	۰o
Are Vegetation	, Soil	, or Hydrology	naturally problema	tic? (If needed	, explain any ans	swers in	Remarks.)	
SUMMARY OF F	INDINGS –	Attach site r	map showing sam	pling point locati	ons, transec	ts, im	portant feature	s, 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	ires here or in a	separate report.)	

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)	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)	Presence of Reduced Iron (C4)		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 (B	7) Other (Explain in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (I	38)		FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes	No Depth (inches):			
Water Table Present? Yes	No Depth (inches):			
Saturation Present? Yes	No Depth (inches):	Wetlan	d Hydrology Present? Yes No X	
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ctions), if a	available:	
Remarks:	ditab clong the highway			
Remarks: The upland was outside the grassy mowed o	ditch along the highway.			
	ditch along the highway.			
	ditch along the highway.			
	ditch along the highway.			
	ditch along the highway.			
	ditch along the highway.			
	ditch along the highway.			
	ditch along the highway.			

Sampling Point: G-D-Up

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>3</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 x 1 =
1. Rhus typhina	3	No	UPL	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
<u>Herb Stratum</u> (Plot size: 5)				2 - Dominance Test is >50%
1. Centaurea stoebe	20	Yes	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Daucus carota	25	Yes	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Lythrum salicaria	15	No	OBL	data in Remarks or on a separate sheet)
4. Setaria faberi	20	Yes	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Phragmites australis	10	No	FACW	
6.				<sup>1</sup> 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.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Senling/shruh Woody plants loss than 2 in DDU
11.				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	90	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1. <u>Vitis vinifera</u>			UPL	height.
2				Hydrophytic
3.				Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Descr	ription: (Describe	to the de	pth needed to docu	ument ti	ne indica	tor or co	onfirm the absence of i	indicators.)	
Depth	Matrix		Redox	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-12	7.5YR 4/3						Loamy/Clayey		
0-12	7.5TR 4/5						Loamy/Clayey		
<sup>1</sup> Type: C=Co	ncentration, D=Depl	etion, RN	1=Reduced Matrix, N	/IS=Mas	ked Sanc	l Grains.		=Pore Lining, M=Matrix	
Hydric Soil Ir	ndicators:						Indicators for	r Problematic Hydric S	oils <sup>3</sup> :
Histosol (	A1)		Polyvalue Belo	w Surfa	ce (S8) ( <b>I</b>	_RR R,	2 cm Muc	k (A10) ( <b>LRR K, L, MLF</b>	RA 149B)
Histic Epi	pedon (A2)		MLRA 149B	)			Coast Pra	airie Redox (A16) ( <b>LRR</b> I	K, L, R)
Black His	tic (A3)		Thin Dark Surfa	ace (S9)	) (LRR R,	MLRA 1	<b>49B</b> ) 5 cm Muc	ky Peat or Peat (S3) (L	RR K, L, R)
Hydrogen	n Sulfide (A4)		High Chroma S	Sands (S	611) ( <b>LRF</b>	R K, L)	Polyvalue	Below Surface (S8) (LF	RR K, L)
Stratified	Layers (A5)		Loamy Mucky I	Mineral	(F1) ( <b>LRF</b>	R K, L)	Thin Dark	Surface (S9) (LRR K, I	_)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mang	ganese Masses (F12) ( <b>L</b>	.RR K, L, R)
Thick Dar	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont	Floodplain Soils (F19) (	MLRA 149B)
Sandy Mu	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spo	odic (TA6) ( <b>MLRA 144A</b>	<b>, 145, 149B</b> )
Sandy Gl	eyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	nt Material (F21)	
Sandy Re	edox (S5)		Redox Depress	sions (F	8)		Very Shal	low Dark Surface (F22)	
Stripped I	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (Ex	plain in Remarks)	
Dark Surf	face (S7)								
<sup>3</sup> Indicators of	hydrophytic vegetat	ion and w	etland hydrology mι	ust be pr	esent, ur	less dist	urbed or problematic.		
	ayer (if observed):								
Туре:									
Depth (inc	ches).						Hydric Soil Present	t? Yes	No X
									<u></u>
Remarks:	a is revised from No	rthoontrol	and Northcoat Pagi	ional Su	nnlomont	Varaian	2.0 to include the NPCS	2 Field Indicators of Llvs	Iria Saila
			usda.gov/Internet/FS					S Field Indicators of Hyd	inc Solis,
V0101011 7.0, 2				JE_DOC		0/11/00 1-12	2p2_001200.000x)		



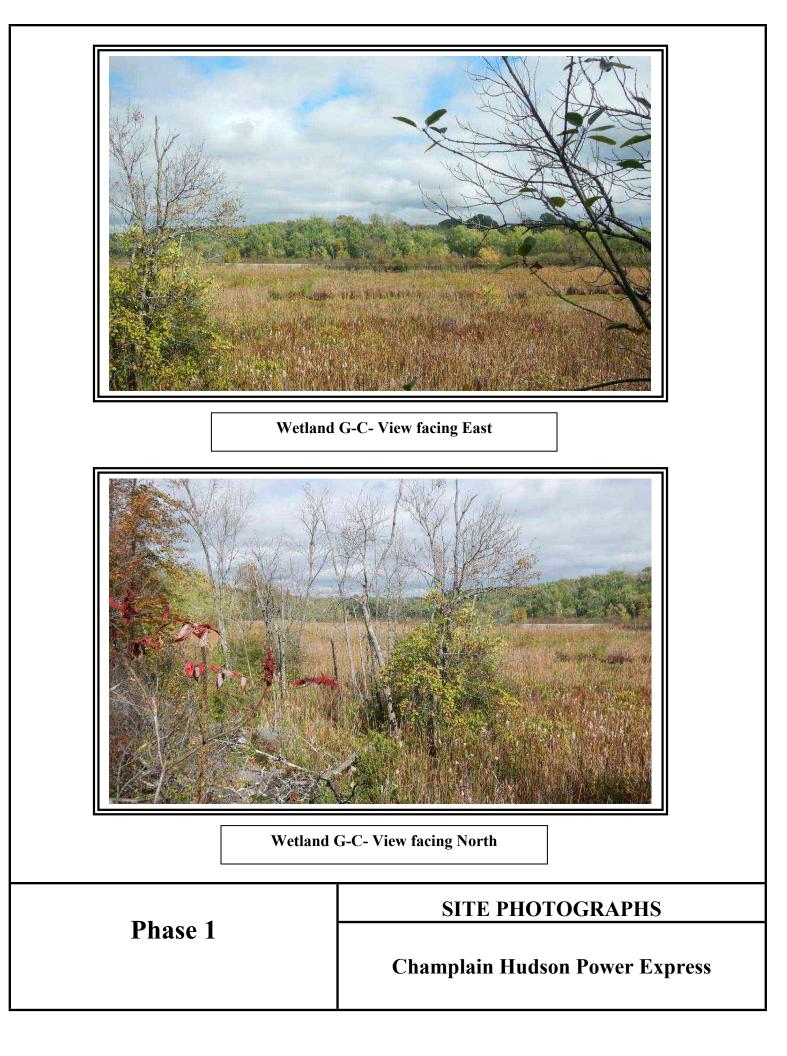
Project/Site: CHPE - CP Rail - W	hitehall to Comstock Section	City/County: Washington	Sampling Date: 10/06/21
Applicant/Owner: CHPE		State: <u>NY</u>	Sampling Point: G-C-Wet
Investigator(s): KW, KS		Section, Township, Range: White	hall
Landform (hillside, terrace, etc.):	Toeslope Local r	elief (concave, convex, none): <u>Concave</u>	Slope %: 0
Subregion (LRR or MLRA): LRR	R, MLRA 144A Lat: <u>43°,33',44.12"N</u>	Long: <u>73°,24',22.94"W</u>	Datum:
Soil Map Unit Name: Saprists and	J Vergennes Silty Clay Loam	NWI classification	n: PEM/PSS
Are climatic / hydrologic conditions	on the site typical for this time of year?	Yes X No (If no	o, explain in Remarks.)
Are Vegetation, Soil	, or Hydrologysignificantly disturb	ed? Are "Normal Circumstances" pre	esent? Yes X No
Are Vegetation, Soil	, or Hydrology naturally problemat	tic? (If needed, explain any answers	in Remarks.)
SUMMARY OF FINDINGS -	- Attach site map showing samp	oling point locations, transects, i	mportant 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 pro	ocedures here or in a separate 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)	X Water-Stained Leaves (B9)		Drainage Patterns (B10)
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
Saturation (A3)	Dry-Season Water Table (C2)		
Water Marks (B1)	Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Re	oots (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	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	8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 2		
Water Table Present? Yes X	No Depth (inches): 0		
Saturation Present? Yes X	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No
	No Depth (inches): 1	Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X			
Saturation Present?     Yes     X       (includes capillary fringe)			
Saturation Present?       Yes       X         (includes capillary fringe)			
Saturation Present?     Yes     X       (includes capillary fringe)			
Saturation Present?       Yes       X         (includes capillary fringe)			
Saturation Present?       Yes       X         (includes capillary fringe)			
Saturation Present?       Yes       X         (includes capillary fringe)			
Saturation Present?       Yes       X         (includes capillary fringe)			
Saturation Present?       Yes       X         (includes capillary fringe)			
Saturation Present?       Yes       X         (includes capillary fringe)			
Saturation Present?       Yes       X         (includes capillary fringe)			
Saturation Present?       Yes       X         (includes capillary fringe)			

Sampling Point: G-C-Wet

r <u>ee Stratum</u> (Plot size: <u>30'</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Ulmus americana	10	Yes	FACW	Number of Dominant Species
Populus deltoides	10	Yes	FAC	That Are OBL, FACW, or FAC:5 (A)
				Total Number of Dominant
				Species Across All Strata: 5 (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 100.0% (A/B
				Prevalence Index worksheet:
	20 =	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15'	)			OBL species x 1 =
Frangula alnus	10	Yes	FAC	FACW species x 2 =
Cornus amomum	5	No	FACW	FAC species x 3 =
llex verticillata	20	Yes	FACW	FACU species x 4 =
Lonicera tatarica	5	No	FACU	UPL species x 5 =
				Column Totals: (A) (E
				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
	40 =	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Typha latifolia	50	Yes	OBL	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Impatiens capensis	10	No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supportion
Onoclea sensibilis	5	No	FACW	data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
D.				
 1.				<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2.				
	65 :	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
	)			
/oody Vine Stratum (Plot size: 30'	/			Woody vines – All woody vines greater than 3.28 ft i height.
/oody Vine Stratum (Plot size: 30'				
· · · · · · · · · · · · · · · · · · ·				- Holgrid
				Hydrophytic
				Hydrophytic Vegetation
		=Total Cover		Hydrophytic

Depth Matrix	•			onfirm the absence of	maleators.)
		k Features	<u> </u>		
(inches) Color (moist) %	Color (moist)	<u>%</u> Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12 10YR 2/1 97	10YR 5/6	3 C	PL/M	Mucky Loam/Clay	Prominent redox concentrations
				<u> </u>	
<sup>1</sup> Type: C=Concentration, D=Depletion, I	 PM-Poducod Matrix N	IS-Maskad San	d Graine	<sup>2</sup> Location: Pl	_=Pore Lining, M=Matrix.
Hydric Soil Indicators:		13-IVIASKEU Sal	u Grains.		r Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		w Surface (S8)			ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
	MLRA 149B		LKK K,		
Histic Epipedon (A2)	· · · · · · · · · · · · · · · · · · ·	, ace (S9) ( <b>LRR F</b>			airie Redox (A16) ( <b>LRR K, L, R</b> )
Black Histic (A3)					cky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydrogen Sulfide (A4)		Sands (S11) ( <b>LR</b>			e Below Surface (S8) (LRR K, L)
Stratified Layers (A5)		Mineral (F1) (LF	( <b>r r</b> , l)		k Surface (S9) (LRR K, L)
Depleted Below Dark Surface (A11)					ganese Masses (F12) (LRR K, L, R)
Thick Dark Surface (A12)	Depleted Matrix				t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Sandy Mucky Mineral (S1)	X Redox Dark Su				oodic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy Gleyed Matrix (S4)	Depleted Dark				ent Material (F21)
Sandy Redox (S5)	Redox Depress	. ,			Illow Dark Surface (F22)
Stripped Matrix (S6)	Marl (F10) ( <b>LR</b>	R K, L)		Other (E)	xplain in Remarks)
Dark Surface (S7)					
3					
<sup>3</sup> Indicators of hydrophytic vegetation and	l wetland hydrology mu	ist be present, u	inless dis	turbed or problematic.	
Restrictive Layer (if observed):					
Туре:					
Depth (inches):				Hydric Soil Presen	



Project/Site: CHPE	- Route 22 - V	Vhitehall Section	1	C	ity/County: Washin	gton			Sampling Date: 1	0/06/21
Applicant/Owner:	CHPE					S	state:	NY	Sampling Point:	G-C-Up
Investigator(s): KW,	KS				Section, To	wnship, Ra	nge: V	Vhiteha	all	
Landform (hillside, ter	rrace, etc.):	Roadside		Local rel	ief (concave, conve	x, none): <u>C</u>	Conca	/e	Slope 9	%: 0
Subregion (LRR or M	LRA): LRR F	R, MLRA 142	Lat:	43°,33',44.17"N	Long:	73°,24',22	2.94"W	/	Datum:	
Soil Map Unit Name:	Saprists and	Vergennes Silty	/ Loar	n		NWI	classifi	cation:	None	
Are climatic / hydrolog	gic conditions	on the site typica	al for t	his time of year?	Yes X	No		(lf no,	explain in Remarks.	)
Are Vegetation	, Soil	, or Hydrology		significantly disturbe	d? Are "Norn	nal Circum	stance	s" pres	sent? Yes X I	No
Are Vegetation	, Soil	, or Hydrology		naturally problematic	? (If needed	l, explain a	ny ans	swers i	n Remarks.)	
SUMMARY OF F	INDINGS -	Attach site	map	showing sampl	ing point locat	ions, tra	nsec	ts, in	nportant feature	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	res here or in a	separate report.)	-

Wetland Hydrology Indicator	'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 Living Roots (C3)				Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)					Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5) Thin Muck Surface (C7)					? Shallow Aquitard (D3)		
Inundation Visible on Aeria	al Imagery (B7)	Other (	Explain in Remarks)		Microtopographic Relief (D4)		
? Sparsely Vegetated Conca	ave Surface (B8	)			FAC-Neutral Test (D5)		
Field Observations:							
Surface Water Present?	Yes	No	Depth (inches):				
Water Table Present?	Yes	No	Depth (inches):				
Saturation Present?					d Hydrology Present? Yes No X		
(includes capillary fringe)							
(includes capillary fringe)							
(includes capillary fringe) Describe Recorded Data (strea	am gauge, moni	toring well,	aerial photos, previous inspe		available:		
	am gauge, moni	toring well,	aerial photos, previous inspe		available:		
	am gauge, moni	toring well,	aerial photos, previous inspe		available:		
	am gauge, moni	toring well, a	aerial photos, previous inspe		available:		
Describe Recorded Data (strea Remarks: The wetland boundary went to	the immediate	toe of slope	for the highway row. No upla	and hole po	ossible due to the large boulders and rip-rap on the		
Describe Recorded Data (strea	the immediate	toe of slope	for the highway row. No upla	and hole po	ossible due to the large boulders and rip-rap on the		
Describe Recorded Data (strea Remarks: The wetland boundary went to	the immediate	toe of slope	for the highway row. No upla	and hole po	ossible due to the large boulders and rip-rap on the		
Describe Recorded Data (strea Remarks: The wetland boundary went to	the immediate	toe of slope	for the highway row. No upla	and hole po	ossible due to the large boulders and rip-rap on the		
Describe Recorded Data (strea Remarks: The wetland boundary went to	the immediate	toe of slope	for the highway row. No upla	and hole po	ossible due to the large boulders and rip-rap on the		
Describe Recorded Data (strea Remarks: The wetland boundary went to	the immediate	toe of slope	for the highway row. No upla	and hole po	ossible due to the large boulders and rip-rap on the		

Sampling Point: G-C-Up

<u>Tree Stratum</u> (Plot size: 30 )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus americana	10	Yes	FACU	Number of Dominant Species
2. Betula populifolia	10	Yes	FAC	That Are OBL, FACW, or FAC:(A)
3. Juniperus communis	5	Yes	FACU	Total Number of Dominant
4				Species Across All Strata: 5 (B)
5				Percent of Dominant Species
6		·		That Are OBL, FACW, or FAC: 20.0% (A/B)
7				Prevalence Index worksheet:
	25	=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. Rhus typhina	15	Yes	UPL	FAC species x 3 =
3. Rhamnus cathartica	5	No	FAC	FACU species x 4 =
4				UPL species x 5 =
5		·		Column Totals: (A) (B)
6.		·		Prevalence Index = B/A =
7		-Tatal Cause		Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1 2.				3 - Prevalence Index is ≤3.0 <sup>1</sup> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3.		·		data in Remarks or on a separate sheet)
3 4.		·		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
4 5.		·		
6				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
Q				
0		·		<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
9 10.		·		
11.		·		<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
		=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3				Hydrophytic Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	tor or co	onfirm the absence of	indicators.)		
Depth										
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
					·		·			
					·					
			. <u> </u>				·			
					. <u> </u>					
<sup>1</sup> Type: C=Co	oncentration, D=Depl	letion, RN	I=Reduced Matrix, N	//S=Mas	sked Sand	l Grains.	<sup>2</sup> Location: Pl	L=Pore Lining, M=Matrix.		
Hydric Soil I	ndicators:						Indicators for	or Problematic Hydric Se	oils <sup>3</sup> :	
Histosol	(A1)		Polyvalue Belo	ow Surfa	ice (S8) (I	LRR R,	2 cm Mu	ck (A10) ( <b>LRR K, L, MLR</b>	A 149B)	
Histic Ep	ipedon (A2)		MLRA 149B	3)			Coast Pr	airie Redox (A16) ( <b>LRR #</b>	K, L, R)	
Black His	stic (A3)		Thin Dark Surf	ace (S9	) (LRR R	, MLRA 1				
Hydroge	n Sulfide (A4)		High Chroma	Sands (S	S11) ( <b>LRF</b>	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)			
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LRI</b>	R K, L)	Thin Dar	k Surface (S9) ( <b>LRR K, L</b>	)	
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix	(F2)		Iron-Man	ganese Masses (F12) (Ll	RR K, L, R)	
Thick Da	rk Surface (A12)		Depleted Matri	ix (F3)			Piedmon	t Floodplain Soils (F19) (I	MLRA 149B)	
Sandy M	ucky Mineral (S1)		Redox Dark S	urface (F	=6)		Mesic Sp	odic (TA6) ( <b>MLRA 144A</b>	, 145, 149B)	
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pare	ent Material (F21)		
Sandy R	edox (S5)		Redox Depressions (F8)				Very Shallow Dark Surface (F22)			
	Matrix (S6)						Other (Explain in Remarks)			
	face (S7)									
<sup>3</sup> Indicators of	hydrophytic vegetat	ion and w	etland hydrology m	ust be p	resent, ur	nless dist	urbed or problematic.			
	ayer (if observed):						·			
Type:	Heavy Rock	k Rip/Rap	1							
Depth (ir	-	0					Hydric Soil Preser	it? Yes	No X	
Remarks:										
	m is revised from No	rthcentral	and Northeast Reg	ional Su	Inemela	Version	2.0 to include the NRC	S Field Indicators of Hyd	ric Soils.	
	2015 Errata. (http://w							- · · · · · · · · · · · · · · · · · · ·	,	
	oossible - rock rip/rap			_						

