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:1 (A)
3. 4.				Total Number of Dominant Species Across All Strata:1 (B)
5.6.		·		Percent of Dominant Species That Are OBL, FACW, or FAC:100.0%(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species105 x 1 =105
1				FACW species 0 x 2 = 0
2.				FAC species0 x 3 =0
3.				FACU species0 x 4 =0
4.				UPL species0 x 5 =0
5.				Column Totals: 105 (A) 105 (B)
6.				Prevalence Index = B/A = 1.00
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
1. Lythrum salicaria	75	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
Eutrochium maculatum	5	No No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Scirpus atrovirens	<u>5</u>	No	OBL	data in Remarks or on a separate sheet)
4. Carex lurida	20	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Hart All back and a constant and a lands are a small and
	105	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				Hydrophytic
3.				Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

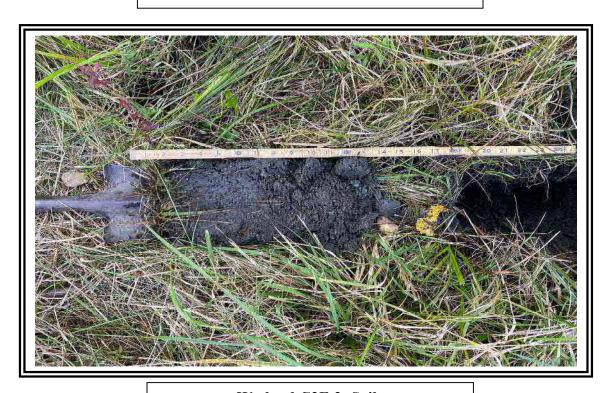
Sampling Point: C2F-2 Wet

SOIL Sampling Point C2F-2 Wet

		to the de				itor or co	onfirm the absence of	findicators.)
Depth	Matrix	0/		x Featur		1 - 2	T 4	Davis sales
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 2/1	80	10YR 4/6		<u> </u>	PL_	Sandy	Prominent redox concentrations
12-15	10YR 4/1	100					Sandy	with gravel
¹ Type: C=Co	oncentration, D=Depl	etion. RN	 ∕I=Reduced Matrix. M	MS=Mas	ked Sand	Grains.	² Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast Pra	airie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	49B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	311) (LRI	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LR I	R K, L)	Thin Dark	k Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Man	ganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri					t Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su					podic (TA6) (MLRA 144A, 145, 149B)
	Sleyed Matrix (S4)		Depleted Dark					ent Material (F21)
X Sandy R			Redox Depress		8)			allow Dark Surface (F22)
	Matrix (S6) rface (S7)		Marl (F10) (LR	K K, L)			Other (E)	xplain in Remarks)
Dark Su	nace (S7)							
³ Indicators o	f hvdrophytic vegetat	ion and v	etland hvdrologv mu	ust be pr	esent. ur	nless dist	urbed or problematic.	
	Layer (if observed):		, 0,					
Type:	rock	<						
Depth (ir	nches):	15					Hydric Soil Presen	nt? Yes X No
Remarks:								
			_					S 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)	



Wetland C2F-2- View facing north



Wetland C2F-2- Soils

Phase 1

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/12/21
Applicant/Owner: TDI	State: NY Sampling Point: C2F-2 Upl
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
	I relief (concave, convex, none): none Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-41-25.33N	Long: 73.25.22.84W 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, SoilX_, or Hydrology significantly distu	
Are Vegetation, Soil, or Hydrology naturally problem	
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
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Successional old field on a rocky embankment.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves	(B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor	
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced II	<u> </u>
Algal Mat or Crust (B4) Recent Iron Reduction	<u> </u>
Iron Deposits (B5) Thin Muck Surface (C7	,
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rema	
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?
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	

ree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
ree Stratum (Plot size:30') . Populus tremuloides	5 5	Yes	FACU	Dominance rest worksheet.
•		<u>res</u>	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
				Total Number of Dominant Species Across All Strata: 4 (B)
				Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/E
				Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15')	•		OBL species 0 x 1 = 0
Populus tremuloides	10	Yes	FACU	FACW species 0 x 2 = 0
Carya ovata	2	No	FACU	FAC species 32 x 3 = 96
Rhus typhina	2	No	UPL	FACU species 57 x 4 = 228
				UPL species 17 x 5 = 85
				Column Totals: 106 (A) 409 (B
				Prevalence Index = B/A = 3.86
				Hydrophytic Vegetation Indicators:
	14	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')	'			2 - Dominance Test is >50%
Solidago canadensis	40	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Asclepias syriaca	10	No	UPL	4 - Morphological Adaptations ¹ (Provide supporti
Equisetum arvense	30	Yes	FAC	data in Remarks or on a separate sheet)
Centaurea stoebe	5	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
Galium boreale	2	No	FAC	¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of heigh
)				Sapling/shrub – Woody plants less than 3 in. DBH
I				and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb – All herbaceous (non-woody) plants, regardles
	87	=Total Cover		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
				height.
				Hydrophytic Vegetation
·				Present? Yes No X

SOIL Sampling Point C2F-2 Upl

Profile Description: (Describe to the de			cator or con	firm the absence of indic	cators.)
			1 , 2	- .	5 .
Depth Matrix (inches) Color (moist) %		Keatures Market Type Market T		Texture	Remarks
¹ Type: C=Concentration, D=Depletion, RM	M-Poducod Matrix M	S-Maskad Sa	nd Grains	² Location: PL=Por	o Lining M-Matrix
Hydric Soil Indicators:	I-Reduced Matrix, M	3-Maskeu Sa	nu Grains.		blematic Hydric Soils ³ :
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7)	Polyvalue Below MLRA 149B) Thin Dark Surfa High Chroma S Loamy Mucky M Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark S Redox Depress Marl (F10) (LRI	ace (S9) (LRR ands (S11) (L Mineral (F1) (L Matrix (F2) ((F3) rface (F6) Surface (F7) ions (F8)	R, MLRA 14 RR K, L)	2 cm Muck (A' Coast Prairie F 5 cm Mucky Polyvalue Belo Thin Dark Surf Iron-Manganes Piedmont Floo Mesic Spodic (Red Parent Ma	Redox (A16) (LRR K, L, MLRA 149B) Redox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R) ew Surface (S8) (LRR K, L) face (S9) (LRR K, L) se Masses (F12) (LRR K, L, R) dplain Soils (F19) (MLRA 149B) (TA6) (MLRA 144A, 145, 149B) exterial (F21) Dark Surface (F22)
³ Indicators of hydrophytic vegetation and w	etland hydrology mu	st be present,	unless distur	bed or problematic.	
Restrictive Layer (if observed):					
Type: rock					
Depth (inches): 0				Hydric Soil Present?	Yes No _X_
Remarks: This data form is revised from Northcentral Version 7.0, 2015 Errata. (http://www.nrcs. Rocky embankment- no soils.					ld Indicators of Hydric Soils,



Upland C2F-2- View facing west

Phase 1

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/12/21
Applicant/Owner: TDI	State: NY Sampling Point: C2G-6 Wet
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): ditch Loca	al relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-41-21.13N	Long: 73-25-20.93W Datum:
Soil Map Unit Name: Hollis-Charlton 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 Hydrology significantly distu	
Are Vegetation, Soil, or Hydrology naturally problem	
	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:
Vegetated linear ditch.	
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 Odor	
Sediment Deposits (B2) Oxidized Rhizospheres Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced I	
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction Thin Muck Surface (C7	· / — · · /
Iron Deposits (B5) Thin Muck Surface (C7 Inundation Visible on Aerial Imagery (B7) Other (Explain in Rema	· · · · · · · · · · · · · · · · · · ·
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
	A PAC-Neutral Test (D3)
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	s):0 Wetland Hydrology Present? Yes _X No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pi	rovious inspections) if available:
Describe Recorded Data (stream gauge, monitoring well, aerial priotos, pi	evious inspections), ii available.
Remarks:	
Drains to culvert under Route 22.	
1	

	A la a a l 4 a	Damainant	lu ali a a ka u	
Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
·				Number of Dominant Species
·				That Are OBL, FACW, or FAC: (A)
				Total Number of Deminent
				Total Number of Dominant Species Across All Strata: 3 (B)
				``
				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B
·				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')				OBL species 70 x 1 = 70
. Thuja occidentalis	5	Yes	FACW	FACW species 25 x 2 = 50
				FAC species 0 x 3 = 0
				FACU species 0 x 4 = 0
				UPL species 0 x 5 = 0
				Column Totals: 95 (A) 120 (B
·				Prevalence Index = B/A = 1.26
·		· ——		Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size:)				X 2 - Dominance Test is >50%
. Thuja occidentalis	5	No	FACW	X 3 - Prevalence Index is ≤3.0 ¹
. Lythrum salicaria	65	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supportir
Sphagnum moss species	30	Yes		data in Remarks or on a separate sheet)
. Eutrochium maculatum	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
Juncus torreyi	15	No	FACW	
<u></u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
:				Definitions of Vegetation Strata:
4.				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of height
0.				
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
				and greater than or equal to 5.20 it (1 iii) tail.
2				Herb – All herbaceous (non-woody) plants, regardles
	120	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
·				height.
<u> </u>				
i				Hydrophytic
				Vegetation Present? Yes X No
·		=Total Cover		
		- I Olai Covei		

SOIL Sampling Point C2G-6 Wet

		o the de				ator or co	onfirm the absence of	indicators.)
Depth	Matrix			Featur		. 2	- .	
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/1	100					Sandy	with gravel
3-8	10YR 4/1	90	10YR 5/3	5	<u>C</u>	<u>M</u>	Sandy	Distinct redox concentrations
			2.5YR 2.5/3	5	<u>C</u>	M		Prominent redox concentrations
								
								
¹ Type: C=C	oncentration, D=Depl	etion, RM	=Reduced Matrix, M	IS=Masl	ked Sand	d Grains.		L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
— Histosol			Polyvalue Belo		ce (S8) (LRR R,		ck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)		. /I DD D	MIDA		airie Redox (A16) (LRR K, L, R)
	stic (A3) n Sulfide (A4)		Thin Dark Surfa High Chroma S		-		· —	cky Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Loamy Mucky N					e Below Surface (S8) (LRR K, L) k Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed			(IX, L)		ganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(, (, , , ,	Depleted Matrix		/			t Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			oodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	Bleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	ent Material (F21)
X Sandy F	ledox (S5)		Redox Depress	ions (F	8)		Very Sha	illow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR l	R K, L)			Other (Ex	xplain in Remarks)
Dark Su	rface (S7)							
³ Indicators o	f bydrophytic ycgototi	on and u	atland bydrology mu	ot ho pr	occut ur	alooo diate	urbad ar problematic	
	f hydrophytic vegetati Layer (if observed):	on and w	eliand hydrology mu	ist be pi	esent, ui	iless dist	urbed or problematic.	
Type:	rocl	<						
Depth (ii		8					Hydric Soil Presen	it? Yes X No
							Tryunc con r resen	163 <u>X</u> 10
Remarks:	m is revised from No	rthcentral	and Northeast Regi	onal Su	nnlemen	t Version	2.0 to include the NRC	S Field Indicators of Hydric Soils,
	2015 Errata. (http://w							of Field Indicators of Flydric Colls,
			· ·	_			, _ ,	



Wetland C2G-6- View facing south



Wetland C2G-6- Soils

Phase 1

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/12/21				
Applicant/Owner: TDI	State: NY Sampling Point: C2G-6 Upl				
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:				
	relief (concave, convex, none): none Slope %: 2				
Subregion (LRR or MLRA): LRR R Lat: 43-41-21.13N	Long: 73-25-20.93W 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 distur					
Are Vegetation, Soil, or Hydrology naturally problems					
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area				
Hydric Soil Present? Yes 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.) Upland scrub shrub.					
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) Water-Stained Leaves (I	· ·				
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·				
Sediment Deposits (B2) Oxidized Rhizospheres					
Drift Deposits (B3) Presence of Reduced 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 Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5)					
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No _x Depth (inches):					
Water Table Present? Yes No _x Depth (inches):					
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No _X_				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:				
Remarks:					

Absolute Dominant Indicate ratum (Plot size: 30') % Cover Species? Status	
uja occidentalis 10 Yes FACW	
	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
	Total Number of DominantSpecies Across All Strata: 5 (B)
	Demonstrat Demonstrat Consider
	Percent of Dominant SpeciesThat Are OBL, FACW, or FAC: 60.0% (A/B
	Prevalence Index worksheet:
10 =Total Cover	Total % Cover of: Multiply by:
/Shrub Stratum (Plot size:15')	OBL species 0 x 1 = 0
uja occidentalis 40 Yes FACW	V FACW species 85 x 2 = 170
niperus virginiana 40 Yes FACU	J FAC species 10 x 3 = 30
	FACU species 73 x 4 = 292
	UPL species 5 x 5 = 25
	Column Totals: 173 (A) 517 (B
	Prevalence Index = B/A = 2.99
	Hydrophytic Vegetation Indicators:
80 =Total Cover	1 - Rapid Test for Hydrophytic Vegetation
tratum (Plot size:5')	X 2 - Dominance Test is >50%
lium boreale 10 No FAC	3 - Prevalence Index is ≤3.0 ¹
tus corniculatus 25 Yes FACU	
uja occidentalis 35 Yes FACW	data in Remarks or on a separate sheet)
agaria virginiana 8 No FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
ucus carota 5 No UPL	— Indicators of hydric soil and wetland hydrology must
	be present, unless disturbed or problematic.
	Definitions of Vegetation Strata:
	Tree – Woody plants 3 in. (7.6 cm) or more in
	diameter at breast height (DBH), regardless of height
	— Sapling/shrub – Woody plants less than 3 in. DBH
	and greater than or equal to 3.28 ft (1 m) tall.
	— Herb – All herbaceous (non-woody) plants, regardles
83=Total Cover	of size, and woody plants less than 3.28 ft tall.
Vine Stratum (Plot size:)	Woody vines – All woody vines greater than 3.28 ft in
	height.
	_
	Hydrophytic Vegetation
	Present?
=Total Cover	

SOIL Sampling Point C2G-6 Upl

Color (moist)	10YR 3/1 10YR 3/2 10YR 3/	100 100 100 100 100 100 100 100 100 100	=Reduced Matrix, M Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	MS=Mask ow Surfac) ace (S9) Sands (S Mineral (ce (S8) (LR (LRR R, M	Grains. RR R, MLRA 149B K, L)	Sandy Sandy 2Location: PL=Pore Indicators for Prob 2 cm Muck (A10 Coast Prairie Re Coast Prairie Re Polyvalue Belov	e Lining, M=Matrix. Dlematic Hydric Soils ³ : 0) (LRR K, L, MLRA 149B) edox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R w Surface (S8) (LRR K, L)
"Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. "Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A3) Histosol (A4) High Chroma Sands (S11) (LRR R, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR R, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Hydrogen Sulfide (A9) High Chroma Sands (S11) (LRR K, L) Hydrogen Sulfide (A9) High Chroma Sands (S11) (LRR K, L) Hydrogen Sulfide (A9) High Chroma Sands (S11) (LRR K, L) Hydrogen Sulfide (A9) High Chroma Sands (S11) Hydrogen Sulfide (A4) High Chroma Sands (S11) Hydrogen Sulfide (A9) High Chroma Sands (S11) Hydrogen Sulface (S8) (LRR K, L) Hydrogen Sulfide (A9) High Chroma Sands (S11) Hydric Soil Present? Hydric Soil Present? Hydric Soil Include the NRCS Field Indicators of Hydric Soils, Sond Sulface (F1) Hydric Soil Include the NRCS Field Indicators of Hydric Soils, Sond Sulface (F1) Hydric Soil Include the NRCS Field Indicators of Hydric Soils, Sond Sulface (F1) Hydric Soil Present?	ncentration, D=Deple dicators: A1) pedon (A2) cic (A3) Sulfide (A4) Layers (A5) Below Dark Surface	100	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac) ace (S9) Sands (S Mineral (ce (S8) (LR (LRR R, M 11) (LRR I	RR R, MLRA 149B K, L)	Sandy 2Location: PL=Pore Indicators for Prob 2 cm Muck (A10 Coast Prairie Re Coast Prairie Re Polyvalue Belov	Diematic Hydric Soils ³ : 0) (LRR K, L, MLRA 149B) edox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R w Surface (S8) (LRR K, L)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. **Location: PL=Pore Lining, M=Matrix.** Hydric Soil Indicators: Histocol (A1) Histocol (A2) Black Histic (A3) Black Histic (A3) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Coast Prairie Redox (A16) (LRR K, L, R) Stratified Layers (A5) Leamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Gleyed Matrix (S6) Dark Surface (S7) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.** **Remarks: **Location: PL=Pore Lining, M=Matrix. **Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils?: **Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils?: **Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils?: **Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils?: **Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils?: **Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils?: **Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils?: **Location: PL=Pore Lining, M=Matrix. **Location: Pl=P	ncentration, D=Deple dicators: A1) pedon (A2) cic (A3) Sulfide (A4) Layers (A5) Below Dark Surface	etion, RM=	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac) ace (S9) Sands (S Mineral (ce (S8) (LR (LRR R, M 11) (LRR I	RR R, MLRA 149B K, L)	² Location: PL=Pore Indicators for Prob 2 cm Muck (A10 Coast Prairie Re) 5 cm Mucky Pe Polyvalue Belov	Diematic Hydric Soils ³ : 0) (LRR K, L, MLRA 149B) edox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R w Surface (S8) (LRR K, L)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1-Location: PL=Pore Lining, M=Matrix. 1-Location: Pl=Po	ncentration, D=Deple dicators: A1) pedon (A2) cic (A3) Sulfide (A4) Layers (A5) Below Dark Surface	etion, RM=	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac) ace (S9) Sands (S Mineral (ce (S8) (LR (LRR R, M 11) (LRR I	RR R, MLRA 149B K, L)	² Location: PL=Pore Indicators for Prob 2 cm Muck (A10 Coast Prairie Re) 5 cm Mucky Pe Polyvalue Belov	Diematic Hydric Soils ³ : 0) (LRR K, L, MLRA 149B) edox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R w Surface (S8) (LRR K, L)
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (F1) (LRR K, L) Sandy Mucky Mineral (S1) Each Matrix (S3) Piedmont Floodplain Soils (F12) (MLRA 1445, 145, 145, 145) Sandy Gleyed Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Depleted Dark Surface (F5) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Mesic Spodic (TA6) (MLRA 144A, 145, 145, 145, 145, 145) Marl (F10) (LRR K, L) Depleted Dark Surface (F7) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Mesic Spodic (TA6) Mesic	dicators: A1) Dedon (A2) Dicic (A3) Sulfide (A4) Layers (A5) Below Dark Surface	- - -	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac) ace (S9) Sands (S Mineral (ce (S8) (LR (LRR R, M 11) (LRR I	RR R, MLRA 149B K, L)	Indicators for Prob 2 cm Muck (A10 Coast Prairie Re 5 cm Mucky Pe Polyvalue Belov	Diematic Hydric Soils ³ : 0) (LRR K, L, MLRA 149B) edox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R w Surface (S8) (LRR K, L)
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Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Polyvalue Below Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Redox Depressions (F8) Depleted Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	dicators: A1) Dedon (A2) Dicic (A3) Sulfide (A4) Layers (A5) Below Dark Surface	- - -	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac) ace (S9) Sands (S Mineral (ce (S8) (LR (LRR R, M 11) (LRR I	RR R, MLRA 149B K, L)	Indicators for Prob 2 cm Muck (A10 Coast Prairie Re 5 cm Mucky Pe Polyvalue Belov	Diematic Hydric Soils ³ : 0) (LRR K, L, MLRA 149B) edox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R) w Surface (S8) (LRR K, L)
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Polyvalue Below Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Redox Depressions (F8) Depleted Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	dicators: A1) Dedon (A2) Dicic (A3) Sulfide (A4) Layers (A5) Below Dark Surface	- - -	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac) ace (S9) Sands (S Mineral (ce (S8) (LR (LRR R, M 11) (LRR I	RR R, MLRA 149B K, L)	Indicators for Prob 2 cm Muck (A10 Coast Prairie Re 5 cm Mucky Pe Polyvalue Belov	Diematic Hydric Soils ³ : 0) (LRR K, L, MLRA 149B) edox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R) w Surface (S8) (LRR K, L)
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Polyvalue Below Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Redox Depressions (F8) Depleted Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	dicators: A1) Dedon (A2) Dicic (A3) Sulfide (A4) Layers (A5) Below Dark Surface	- - -	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac) ace (S9) Sands (S Mineral (ce (S8) (LR (LRR R, M 11) (LRR I	RR R, MLRA 149B K, L)	Indicators for Prob 2 cm Muck (A10 Coast Prairie Re 5 cm Mucky Pe Polyvalue Belov	Diematic Hydric Soils ³ : 0) (LRR K, L, MLRA 149B) edox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R) w Surface (S8) (LRR K, L)
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Polyvalue Below Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Redox Depressions (F8) Depleted Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	dicators: A1) Dedon (A2) Dicic (A3) Sulfide (A4) Layers (A5) Below Dark Surface	- - -	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I	ow Surfac) ace (S9) Sands (S Mineral (ce (S8) (LR (LRR R, M 11) (LRR I	RR R, MLRA 149B K, L)	Indicators for Prob 2 cm Muck (A10 Coast Prairie Re 5 cm Mucky Pe Polyvalue Belov	Diematic Hydric Soils ³ : 0) (LRR K, L, MLRA 149B) edox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R w Surface (S8) (LRR K, L)
Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (S9) (LRR R, L) Thinc Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 145) Redox 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) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 145) Mesic Spodic (TA6) (MLRA 144A, 145, 145) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Type: rock Depth (inches): 5 Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	oedon (A2) cic (A3) Sulfide (A4) Layers (A5) Below Dark Surface	- - - (A11) -	MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I) ace (S9) Sands (S Mineral ((LRR R, N 11) (LRR I (F1) (LRR I	MLRA 149B K, L)	Coast Prairie Ro 5 cm Mucky Pe Polyvalue Belov	edox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R w Surface (S8) (LRR K, L)
Black Histic (A3)	cic (A3) Sulfide (A4) Layers (A5) Below Dark Surface	- - (A11) _	Thin Dark Surfa High Chroma S Loamy Mucky I	ace (S9) Sands (S Mineral (11) (LRR I (F1) (LRR I	K, L)	5 cm Mucky Pe	eat or Peat (S3) (LRR K, L, R w Surface (S8) (LRR K, L)
Hydrogen Sulfide (A4)	Sulfide (A4) Layers (A5) Below Dark Surface	- (A11) _	High Chroma S Loamy Mucky I	Sands (S Mineral (11) (LRR I (F1) (LRR I	K, L)	Polyvalue Belov	w Surface (S8) (LRR K, L)
Stratified Layers (A5)	Layers (A5) Below Dark Surface	(A11) –	Loamy Mucky I	Mineral ((F1) (LRR I			
Depleted Below Dark Surface (A11)	Below Dark Surface	(A11) _				K, L)	Thin Dark Surfa	ace (S9) (LRR K, L)
Thick Dark Surface (A12)		(ATT) -	Loamy Gleyed		TO\			
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 145, 145, 145, 145, 145, 145, 145			Doploted Matri		-2)			
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: rock Depth (inches): 5 Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,		-			6)			
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) John Surface (S7) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: rock Depth (inches): 5 Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,		-		-	-			
Stripped Matrix (S6)		_			-			
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: rock Depth (inches): 5 Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,					,		Other (Explain i	in Remarks)
Restrictive Layer (if observed): Type: rock Depth (inches): 5 Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	ace (S7)	_	<u> </u>				_	
Restrictive Layer (if observed): Type: rock Depth (inches): 5 Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,								
Type: rock Depth (inches): 5 Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	, , , ,	on and we	tland hydrology mu	ıst be pro	esent, unle	ss disturbe	d or problematic.	
Depth (inches): 5 Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	• '							
Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,						l	udnia Cail Duananto	Van Na V
This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,		5				<u> </u>	yarıc Soli Present?	Yes No X
								d Indicators of Hydric Soils,
	a ny	ydrophytic vegetation yer (if observed): rock nes):	ydrophytic vegetation and we yer (if observed): rock nes): 5	ydrophytic vegetation and wetland hydrology muyer (if observed): rock nes): 5 is revised from Northcentral and Northeast Regi	ydrophytic vegetation and wetland hydrology must be prover (if observed): rock nes): 5 is revised from Northcentral and Northeast Regional Su	ydrophytic vegetation and wetland hydrology must be present, unle	ydrophytic vegetation and wetland hydrology must be present, unless disturbed yer (if observed): rock nes): 5 H dis revised from Northcentral and Northeast Regional Supplement Version 2.0 to	ydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. yer (if observed):



Upland C2G-6- View facing west



Upland C2G-6- Soils

Phase 1

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/12/21
Applicant/Owner: TDI	State: NY Sampling Point: C2H-2 Wet
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): ditch Local	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-41-17.10N	Long: 73-25-20.93W Datum:
Soil Map Unit Name: Hollis-Charlton 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, SoilX_, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Hydric Soil Present? Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Linear vegetated ditch.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained Leaves (I	
X High Water Table (A2) Aquatic Fauna (B13) X Saturation (A3) Marl Deposits (B15)	Moss Trim Lines (B16) Dry-Season Water Table (C2)
Water Marks (B1) Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres of	i i i i i i i i i i i i i i i i i i i
Drift Deposits (B3) Presence of Reduced Inc.	— · · · —
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:	<u></u>
Surface Water Present? Yes x No Depth (inches):	: 0.5
Water Table Present? Yes x No Depth (inches):	
Saturation Present? Yes x No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Hillside seep. Culvert present under Route 22 near flag C2H-6.	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.	70 00001	- Среско	<u> </u>	
2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata: 3 (B)
5.6.		·		Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species75 x 1 =75
1. Thuja occidentalis	10	Yes	FACW	FACW species 10 x 2 = 20
2.				FAC species10 x 3 =30
3.				FACU species0 x 4 =0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 95 (A) 125 (B)
6.				Prevalence Index = B/A = 1.32
7				Hydrophytic Vegetation Indicators:
1.	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Typha angustifolia	65	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
Lythrum salicaria	10	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Juncus tenuis	10	No	FAC	data in Remarks or on a separate sheet)
· · · · · · · · · · · · · · · · · · ·	25	Yes		Problematic Hydrophytic Vegetation ¹ (Explain)
		<u>res</u>		Problematic Hydrophytic Vegetation (Explain)
5. 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
11.		•		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	110	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		·		
· · · · · · · · · · · · · · · · · · ·				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				Hydrophytic
3.				Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: C2H-2 Wet

SOIL Sampling Point C2H-2 Wet

Profile Desc Depth	cription: (Describe t Matrix	to the de		iment th k Feature		or or co	nfirm the absence of indic	ators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 3/1	100			 .		Muck	
12-15	10YR 4/1	100					Sandy	and gravel
12-15	101K 4/1	100					Sanuy	and graver
	oncentration, D=Depl	etion, RM	1=Reduced Matrix, N	1S=Masl	ked Sand	Grains.	² Location: PL=Por	
Hydric Soil			Daharaha Dala	0	(00) (1	DD D		blematic Hydric Soils ³ :
Histosol	(A1) pipedon (A2)		Polyvalue Belo MLRA 149B		ce (S8) (L	KK K,		(0) (LRR K, L, MLRA 149B)
X Black H			Thin Dark Surfa	•	(I RR R	MIRA 1		Redox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S		•			w Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky					ace (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed			. ,		se Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Floo	dplain Soils (F19) (MLRA 149B)
	Mucky Mineral (S1)		Redox Dark Su		-		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	Sleyed Matrix (S4)		Depleted Dark		-		Red Parent Ma	
	Redox (S5)		Redox Depress		3)			Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	RK,L)			Other (Explain	in Remarks)
— Dark Su	rface (S7)							
³ Indicators o	f hydrophytic vegetati	ion and w	vetland hvdrologv mu	ıst be pr	esent. unl	ess distu	urbed or problematic.	
	Layer (if observed):							
Type:	rocl	k						
Depth (i	nches):	15					Hydric Soil Present?	YesX No
Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)								
Version 7.0,		ww.nics.	usua.gov/iiiteiiiet/i t				-p2_001200.d00x)	l
		ww.nics.	usua.gov/iiiteiriet/i				-pr_001200.400xy	
Version 7.0,		ww.nics.	usua.gov/internet/1 c				p2_001200. 00 5,/	
Version 7.0,		ww.nrcs.	usua.gov/interneur c		· · · · · · · · · · · · · · · · · · ·		p2_001230.433 <i>x</i> ,y	
Version 7.0,		ww.nrcs.	usua.gov/interneur (p2_001230.400 <i>x</i> y	
Version 7.0,		ww.nics.	usua.gov/interneur (p2_001230.433 <i>x</i> ,y	
Version 7.0,		ww.nics.	usua.gov/interneur (p2_001230.400Ay	
Version 7.0,		ww.nics.	usua.gov/interneur (p2_001230.400Ay	
Version 7.0,		ww.nics.	usua.gov/interneur (p2_001230.400 <i>x</i> y	
Version 7.0,		ww.mcs.	usua.gov/interneur (p2_001230.430 <i>x</i> /y	
Version 7.0,		ww.mcs.	usua.gov/interneur (p2_001230.400A)	



Wetland C2H-2- View facing south



Wetland C2H-2- Soils

Phase 1

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/12/21					
Applicant/Owner: TDI	State: NY Sampling Point: C2H-2 Up					
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:					
• • • • • • • • • • • • • • • • • • • •	relief (concave, convex, none): none Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 43-41-17.10N	Long: 73-25-20.93W 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 Hydrologysignificantly disturb						
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area					
Hydric Soil Present? Yes No X 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.)						
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 (B	B9) Drainage Patterns (B10)					
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor ((C1) Crayfish Burrows (C8)					
Sediment Deposits (B2) Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4) Recent Iron Reduction ir	. , , ,					
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 No _X					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						
1						

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata:(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x1 =0
1				FACW species 0 x 2 = 0
2.				FAC species15 x 3 =45
3.				FACU species45 x 4 =180
4				UPL species 20 x 5 = 100
5.				Column Totals: 80 (A) 325 (B)
6.				Prevalence Index = B/A = 4.06
7.				Hydrophytic Vegetation Indicators:
		=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 ¹
2. Setaria pumila	15	No	FAC	4 - Morphological Adaptations (Provide supporting
3. Lotus corniculatus	30	Yes	FACU	data in Remarks or on a separate sheet)
4. Taraxacum officinale	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Plantago lanceolata	10	No	FACU	
6.			1700	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Definitions of Vegetation Strata.
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
-	1			diameter at breast neight (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	80	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size:) 1				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
·		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet \			
Tremains. (include proto flumbers here of off a separ	ate sneet.)			

Sampling Point:

C2H-2 Upl

SOIL Sampling Point C2H-2 Upl

Profile Description: (Describe to the d	-			tor or co	onfirm the absence of ind	icators.)
Depth Matrix (inches) Color (moist) %	Color (moist)	k Featur %	es Type ¹	Loc ²	Texture	Remarks
0-4 10YR 4/2 100	Color (moist)		Туре		Sandy	with gravel
4-8 10YR 3/2 100					Sandy	with gravel
¹ Type: C=Concentration, D=Depletion, R	M=Reduced Matrix. N	 IS=Masl	ked Sand	Grains.	² Location: PL=Po	ore Lining, M=Matrix.
Hydric Soil Indicators:	,					oblematic Hydric Soils ³ :
Histosol (A1)	Polyvalue Belo	w Surfac	ce (S8) (I	RR R,	2 cm Muck (A	A10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)	MLRA 149B)			Coast Prairie	Redox (A16) (LRR K, L, R)
Black Histic (A3)	Thin Dark Surfa		-		· —	Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4)	High Chroma S					low Surface (S8) (LRR K, L)
Stratified Layers (A5)	Loamy Mucky			R K, L)		rface (S9) (LRR K, L)
Depleted Below Dark Surface (A11)	Loamy Gleyed		F2)			ese Masses (F12) (LRR K, L, R)
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Depleted Matri Redox Dark Su		·6)			odplain Soils (F19) (MLRA 149B) : (TA6) (MLRA 144A, 145, 149B)
Sandy Gleyed Matrix (S4)	Depleted Dark				Red Parent M	
Sandy Redox (S5)	Redox Depress					Dark Surface (F22)
Stripped Matrix (S6)	 Marl (F10) (LR		,			n in Remarks)
Dark Surface (S7)	<u> </u>					
3						
³ Indicators of hydrophytic vegetation and Restrictive Layer (if observed):	wetland hydrology mu	ist be pr	esent, un	iless dist	urbed or problematic.	
Type: rocky fill						
Depth (inches): 8					Hydric Soil Present?	Yes No X
					nyunc son Present?	Yes No _X
Remarks: This data form is revised from Northcentr Version 7.0, 2015 Errata. (http://www.nrcs Roadside fill.						eld Indicators of Hydric Soils,



Upland C2H-2- View facing north



Upland C2H-2- Soils

Phase 1

SITE PHOTOGRAPHS

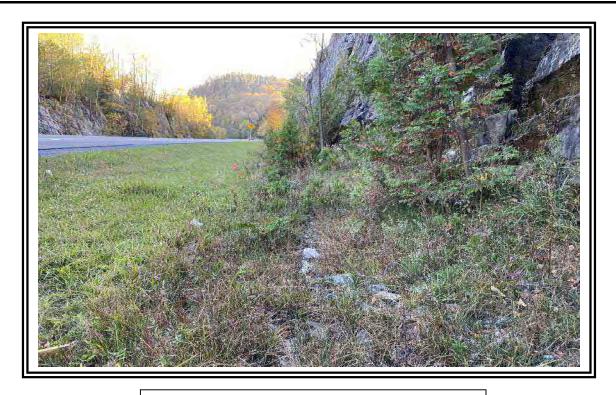
Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/12/21					
Applicant/Owner: TDI	State: NY Sampling Point: C2I-4 wet					
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:					
- , ,	relief (concave, convex, none): concave Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 43-41-07.98N	Long: 73-25-25.64W Datum:					
Soil Map Unit Name: Hollis-Charlton 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 disturb						
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.					
The book of a Venetation December 1	Is the Commission Asses					
Hydrophytic Vegetation Present? Hydric Soil Present? Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	within a Wetland? Yes X No If yes, optional Wetland Site ID:					
	ii yes, optional vveitand one ib.					
Remarks: (Explain alternative procedures here or in a separate report.) Linear vegetated ditch.						
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 (E	B9) Drainage Patterns (B10)					
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (i i i i i i i i i i i i i i i i i i i					
Sediment Deposits (B2) X Oxidized Rhizospheres of	— · · · · —					
Drift Deposits (B3) Presence of Reduced Iro						
Algal Mat or Crust (B4) Recent Iron Reduction in	• , • • • • • • • • • • • • • • • • •					
Iron Deposits (B5) Thin Muck Surface (C7)	<u> </u>					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark						
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:	0.5					
Surface Water Present? Yes x No Depth (inches): Water Table Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):						
(includes capillary fringe)	: Wetland Hydrology Present? Yes X No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre						
Remarks:						
Culvert present.						

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Thuja occidentalis	10	Yes	FACW	Dominance rest worksneet.
Rhus typhina	2	No	UPL	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3.				
4.				Total Number of Dominant Species Across All Strata: 3 (B)
5.				``
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
	12	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')		•		OBL species20 x 1 =20
1.				FACW species 65 x 2 = 130
2.				FAC species15 x 3 =45
3.				FACU species0 x 4 =0
4.				UPL species 2 x 5 = 10
5.				Column Totals: 102 (A) 205 (B)
6.				Prevalence Index = B/A =2.01
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				X 2 - Dominance Test is >50%
1. Thuja occidentalis	5	No	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Lythrum salicaria	20	Yes	OBL	4 - Morphological Adaptations (Provide supporting
3. Equisetum hyemale	15	No	FAC	data in Remarks or on a separate sheet)
4. Juncus torreyi	45	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Eupatorium perfoliatum	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Undranbrita
3.				Hydrophytic Vegetation
4				Present? Yes X No No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: C2I-4 wet

SOIL Sampling Point C2I-4 wet

		o the de				ator or co	onfirm the absence o	f indicators.)	
Depth	Matrix	0/		K Featur		1 - 2	T 4	Down order	
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture	Remarks	
0-3	10YR 3/1	100					Sandy	with gravel	
3-8	10YR 5/1	90	10YR 5/6	_10	C	PL/M	Sandy	Prominent redox concentrations	
¹ Type: C=C	oncentration, D=Depl	etion, RN	1=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.	
Hydric Soil								or Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Mu	ick (A10) (LRR K, L, MLRA 149B)	
Histic E	pipedon (A2)		MLRA 149B)			? Coast Pi	rairie Redox (A16) (LRR K, L, R)	
Black Hi	istic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	49B) 5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)	
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	311) (LR I	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)	
Stratified	d Layers (A5)		Loamy Mucky I	Mineral	(F1) (LR	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)	
? Deplete	d Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)	
Thick Da	ark Surface (A12)		Depleted Matrix	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)	
Sandy N	/lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic S _l	podic (TA6) (MLRA 144A, 145, 149B)	
	Gleyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)		
X Sandy F			Redox Depress	•	8)		Very Shallow Dark Surface (F22)		
	Matrix (S6)		Marl (F10) (LR	R K , L)			Other (E	xplain in Remarks)	
— Dark Su	rface (S7)								
31	£					-11:-4			
	f hydrophytic vegetati Layer (if observed):	on and w	retiand hydrology mic	ist be pr	esent, u	ness dist	I problematic.		
Type:	rock								
Depth (i	nches):	8					Hydric Soil Preser	nt? Yes X No	
	2015 Errata. (http://w							CS Field Indicators of Hydric Soils,	



Wetland C2I-4- View facing south



Wetland C2I-4- Soils

Phase 1

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/12/21					
Applicant/Owner: TDI	State: NY Sampling Point: C2J-6 Wet					
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:					
Landform (hillside, terrace, etc.): flat Local	relief (concave, convex, none): none Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 43-41-06.09N	Long: 73-25-26.69W Datum:					
Soil Map Unit Name: Hollis-Charlton 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, Soilx_, or Hydrology significantly distur						
Are Vegetation, Soil, or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam						
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes X No	Is the Sampled Area within a Wetland? If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)						
Linear vegetated ditch. Disturbed 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)					
X Surface Water (A1) Water-Stained Leaves (I						
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)					
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (i i i i i i i i i i i i i i i i i i i					
Sediment Deposits (B2) Oxidized Rhizospheres of Deposits (B2)	——————————————————————————————————————					
Drift Deposits (B3) Presence of Reduced Inc						
Algal Mat or Crust (B4) Recent Iron Reduction in This Music Surface (C7)	. , , ,					
Iron Deposits (B5) Thin Muck Surface (C7) Other (Fundamental Deposits in Property of the Control of the Contro	<u> </u>					
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remar	<u> </u>					
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes x No Depth (inches):						
Water Table Present? Yes No _x Depth (inches):						
Saturation Present? Yes x No Depth (inches):	:0 Wetland Hydrology Present? YesX No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						
Stream present. Culvert under Route 22 present. Wetland contains a seep						
Caramir Carrett and Treate 22 pressing from the contains a soop	•					

Thuja occidentalis	5	Yes	FACW		
				Niconalisa and Discoving and One asian	
				Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)	
				Total Number of Dominant Species Across All Strata: 4 (B)	
				``	
				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)	
				Prevalence Index worksheet:	
	5	=Total Cover		Total % Cover of: Multiply by:	
apling/Shrub Stratum (Plot size:15')				OBL species37 x 1 =37	
Thuja occidentalis	5	Yes	FACW	FACW species 45 x 2 = 90	
				FAC species 17 x 3 = 51	
				FACU species0 x 4 =0	
				UPL species 0 x 5 = 0	
				Column Totals: 99 (A) 178 (B)	
				Prevalence Index = B/A = 1.80	
				Hydrophytic Vegetation Indicators:	
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
erb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%	
Typha latifolia	25	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹	
Equisetum hyemale	15	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting	
Lythrum salicaria	10	No	OBL	data in Remarks or on a separate sheet)	
Eupatorium perfoliatum	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)	
Eutrochium maculatum	2	No	OBL	<u> </u>	
Juncus torreyi	25	Yes	FACW	 Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic. 	
Symphyotrichum novae-angliae	5	No	FACW	Definitions of Vegetation Strata:	
Equisetum arvense	2	No	FAC		
	·			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	
l 2					
·	89	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
loody Vine Stratum (Plot size: 30')		- 10tal 00ve			
oody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in height.	
		·			
				Hydrophytic	
				Vegetation Present? Yes X No	
		=Total Cover			
emarks: (Include photo numbers here or on a sepa	rote sheet)	•			

SOIL Sampling Point C2J-6 Wet

Depth	Matrix		Redox	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/1	100					Loamy/Clayey	with gravel
4-8	10YR 4/1	100					Sandy	
							_	
1Typo: C=C	oncentration, D=Depl	otion PM	I-Poducod Matrix M	 19-Mac			² Location: DL =Do	re Lining, M=Matrix.
Hydric Soil		elion, ixivi	-Neduced Matrix, IV	/IO-IVIASI	Neu Sand	Giailis.		oblematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		.10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		(- / (,		Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	49B) 5 cm Mucky F	Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	11) (LR F	R K, L)	Polyvalue Bel	ow Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR I	R K, L)	Thin Dark Su	face (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed		F2)			se Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri		· • •			odplain Soils (F19) (MLRA 149B)
	Mucky Mineral (S1)		Redox Dark Su		-			(TA6) (MLRA 144A , 145 , 149B)
	Bleyed Matrix (S4) Redox (S5)		Depleted Dark Redox Depress				Red Parent M	Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR)			n in Remarks)
	rface (S7)			, =/			Outer (Explain	r in r tomanto)
	,							
³ Indicators o	f hydrophytic vegetati	on and w	etland hydrology mι	ust be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):							
Type:	rock/gr	avel						
Depth (ii	nches):	8					Hydric Soil Present?	Yes Nox_
	2015 Errata. (http://w							eld Indicators of Hydric Soils,



Wetland C2J-6- View facing south



Wetland C2J-6- Soils

Phase 1

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/12/21				
Applicant/Owner: TDI	State: NY Sampling Point: C2-K-2 Wet				
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:				
Landform (hillside, terrace, etc.): flat Local	relief (concave, convex, none): none Slope %: 0				
Subregion (LRR or MLRA): LRR R Lat: 43-41-04.96N	Long: 73-25-27.24W Datum:				
Soil Map Unit Name: Charlton soils	NWI classification: PEM				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significantly distur					
Are Vegetation, Soil, or Hydrology naturally problems					
SUMMARY OF FINDINGS – Attach site map showing sam					
Hydrophytia Vagetation Present?	In the Sampled Area				
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No	Is the Sampled Area within a Wetland? Yes X No				
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.) Northern Wetland K. Linear vegetated ditch.					
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 (· · · · · · · · · · · · · · · · · · ·				
X High Water Table (A2) Aquatic Fauna (B13) Mad Burnsitus (B45)	Moss Trim Lines (B16)				
X Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor					
Sediment Deposits (B2) Drift Deposits (B3) Sediment Deposits (B2) Presence of Reduced Ir	——————————————————————————————————————				
Algal Mat or Crust (B4) Recent Iron Reduction i					
Iron Deposits (B5) Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·				
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remainder (B7)					
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)				
Field Observations:	<u></u>				
Surface Water Present? Yes No x Depth (inches)					
Water Table Present? Yes x No Depth (inches)					
Saturation Present? Yes x No Depth (inches)					
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:				
Remarks:					

<u>ree Stratum</u> (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
. Thuja occidentalis	5	Yes	FACW			
· · · · · · · · · · · · · · · · · · ·				Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)		
 i.						
				Total Number of Dominant Species Across All Strata: 6 (B)		
j.				Percent of Dominant Species		
). 				That Are OBL, FACW, or FAC: 66.7% (A/E		
				Prevalence Index worksheet:		
	5	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:15')				OBL species45 x 1 =45		
Betula populifolia	5	Yes	FAC	FACW species 45 x 2 = 90		
Juniperus virginiana	5	Yes	FACU	FAC species 15 x 3 = 45		
				FACU species 10 x 4 = 40		
				UPL species 5 x 5 = 25		
i				Column Totals: 120 (A) 245 (B		
i				Prevalence Index = B/A = 2.04		
				Hydrophytic Vegetation Indicators:		
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')		-		X 2 - Dominance Test is >50%		
. Juncus torreyi	35	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹		
2. Lythrum salicaria	40	Yes	OBL	4 - Morphological Adaptations¹ (Provide supporti data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
B. Fragaria virginiana	5	No	FACU			
Galium boreale	10	No	FAC			
5. Sphagnum moss sp.	30	Yes				
S. Salix nigra	5	No	OBL			
Z. Eupatorium perfoliatum	5	No	FACW	Definitions of Vegetation Strata:		
3. Vicia cracca	5	No	UPL	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height		
).						
0.				Sapling/shrub – Woody plants less than 3 in. DBH		
1.				and greater than or equal to 3.28 ft (1 m) tall.		
2.				Herb – All herbaceous (non-woody) plants, regardles		
	135	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Noody Vine Stratum (Plot size: 30')		-		Mondaying Allywoody vines greater than 2.20 ft		
ı				Woody vines – All woody vines greater than 3.28 ft height.		
2.						
3.				Hydrophytic		
l.	-	<u> </u>		Vegetation Present? Yes X No		
		=Total Cover				

SOIL Sampling Point C2-K-2 Wet

Profile Desc Depth	cription: (Describe to Matrix	o the de		iment th x Feature		itor or co	onfirm the absence of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks
0-4	10YR 2/2	100					Muck
4-8	10YR 2/1	100					Sandy masked sand
8-12	N 3/	100					Sandy
¹ Type: C=Co	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, M	1S=Masl	ked Sand	l Grains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil							Indicators for Problematic Hydric Soils ³ :
— Histosol			Polyvalue Belo		ce (S8) (I	LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2) stic (A3)		MLRA 149B) X Thin Dark Surfa	,	(I DD D	MI DA 1	Coast Prairie Redox (A16) (LRR K, L, R) 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S				Polyvalue Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky I				Thin Dark Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed			,,	Iron-Manganese Masses (F12) (LRR K, L, R
	ark Surface (A12)	` ,	Depleted Matrix		,		Piedmont Floodplain Soils (F19) (MLRA 149)
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149E
Sandy G	Gleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)
Sandy R	Redox (S5)		Redox Depress	sions (F	8)		Very Shallow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	RK,L)			Other (Explain in Remarks)
? Dark Su	rface (S7)						
³ Indicators o	f hydrophytic vegetati	ion and v	vetland hydrology mu	ıst be pr	esent. ur	nless dist	turbed or problematic.
	Layer (if observed):						
Type:	rocl	<					
Depth (ii	nches):	12					Hydric Soil Present? Yes No
Remarks:							
							n 2.0 to include the NRCS Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	ww.nrcs	.usda.gov/internet/F3	sE_DOC	JUMENT	5/nrcs14.	12PZ_U51293.docx)



Wetland C2K-2 (northern)- View facing south



Wetland C2K-2 (northern)- Soils

Phase 1

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/12/21					
Applicant/Owner: TDI	State: NY Sampling Point: C2I-4 Upl*					
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:					
	I relief (concave, convex, none): none Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 43-41-07.98N	Long: 73-25-25.64W 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 distur						
Are Vegetation, Soil, or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area					
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X					
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:					
Mowed roadside. * Upland points for C2I-4, C2J-6 and C2K-2 (northern).						
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 (<u> </u>					
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres						
Presence of Reduced In	<u> </u>					
Algal Mat or Crust (B4) Recent Iron Reduction in This Made Surface (G7)						
Iron Deposits (B5) — Thin Muck Surface (C7)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No x Depth (inches)						
Water Table Present? Yes No x Depth (inches)						
Saturation Present? Yes No x Depth (inches)	Wetland Hydrology Present? Yes No _X_					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						
Tromano.						

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
·				Number of Dominant Species
				That Are OBL, FACW, or FAC:0 (A)
				Total Number of Dominant
				Species Across All Strata: 1 (B)
				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B
				Prevalence Index worksheet:
·		=Total Cover		
and in a (Ohanda Ohanda and Ohand		- Total Covel		
apling/Shrub Stratum (Plot size:15')				<u> </u>
				FACW species 0 x 2 = 0
·		·		FAC species 5 x 3 = 15
·				FACU species100 x 4 =400
				UPL species 5 x 5 = 25
· <u></u>				Column Totals: 110 (A) 440 (B
· <u></u>				Prevalence Index = B/A = 4.00
· <u></u>				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%
Plantago lanceolata	15	No	FACU	3 - Prevalence Index is ≤3.0 ¹
Lotus corniculatus	10	No No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
Poa pratensis	70	Yes	FACU	data in Remarks or on a separate sheet)
	5	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
Daucus carota				Problematic Hydrophytic Vegetation (Explain)
Taraxacum officinale	5	No No	FACU	¹ Indicators of hydric soil and wetland hydrology must
Galium boreale	5	No	FAC	be present, unless disturbed or problematic.
•				Definitions of Vegetation Strata:
•		·		Tree – Woody plants 3 in. (7.6 cm) or more in
·				diameter at breast height (DBH), regardless of height
0				Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardles
	110	=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 ii
				height.
				Hydrophytic
·				Vegetation
				riesent: res NoX
·		=Total Cover		

SOIL Sampling Point C2I-4 Upl*

		to the de				tor or co	onfirm the absence of i	indicators.)
Depth	Matrix			x Featur		. 2	- .	
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-3	10YR 2/1	100					Sandy	roadside fill
3-8	10YR 3/2	100					Sandy	roadside fill
								_
4								
	oncentration, D=Depl	etion, RN	1=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.		=Pore Lining, M=Matrix.
Hydric Soil			Daharahaa Dala	0	(00) (DD D		Problematic Hydric Soils ³ :
— Histosol	(A1) pipedon (A2)		Polyvalue Belo		ce (58) (I	-RK K,		k (A10) (LRR K, L, MLRA 149B)
	stic (A3)		Thin Dark Surf	•	(I PP P	MI DA 1		irie Redox (A16) (LRR K, L, R) ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed			, _ ,		panese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	()	Depleted Matri		- – ,			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		- 6)			odic (TA6) (MLRA 144A, 145, 149B)
Sandy G	Gleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parer	nt Material (F21)
Sandy F	tedox (S5)		Redox Depress	sions (F	8)		Very Shall	low Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Exp	plain in Remarks)
Dark Su	rface (S7)							
2								
	f hydrophytic vegetati	on and v	etland hydrology mu	ust be pr	esent, ur	lless dist	urbed or problematic. I	
	Layer (if observed): rock/gr	avol						
Type:								
Depth (ii	nches):	8					Hydric Soil Present	? Yes No X
Remarks:	m is ravised from No	rtheontro	Land Northoast Poo	ional Su	nnlomont	Vorsion	2.0 to include the NPCS	S Field Indicators of Hydric Soils,
	2015 Errata. (http://w							or ricia maioatoro or riyano cono,
	, .			_			. –	



Upland C2I-4- View facing south



Upland C2I-4- Soils

Phase 1

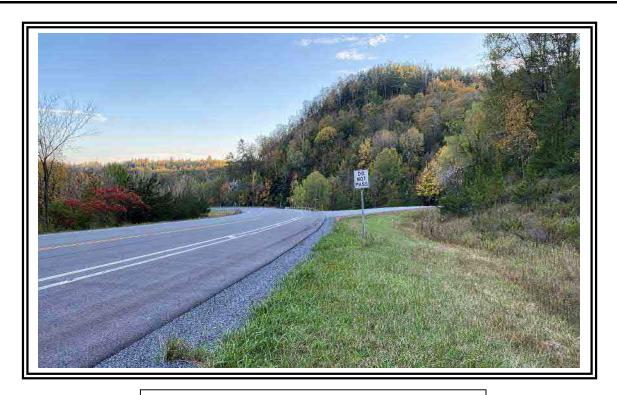
SITE PHOTOGRAPHS



Upland C2J-6- View facing north

Phase 1

SITE PHOTOGRAPHS



Upland C2K-2 (northern)- View facing south

Phase 1

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/13/21
Applicant/Owner: TDI	State: NY Sampling Point: C2K-22 wet
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
	al relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-40-49.5N	Long: 73-25-11.38W Datum:
Soil Map Unit Name: Vergennes silty clay	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year?	? Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly dist	
Are Vegetation, Soil, or Hydrologynaturally probler	
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 K- southern. Forested drainage channel.	
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	<u> </u>
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odo	
Sediment Deposits (B2) X Oxidized Rhizosphere:	
Drift Deposits (B3) Presence of Reduced	
Algal Mat or Crust (B4) Recent Iron Reduction	
Iron Deposits (B5)Thin Muck Surface (C	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (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	s): Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	previous inspections), if available:
Remarks:	
Flows to culvert under Route 22.	

/EGETATION – Use scientific names of pla	มาเอ.			Sampling Point: C2K-22 wet			
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Ulmus americana	50	Yes	FACW	Number of Dominant Species			
2. Tsuga canadensis	10	No	FACU	That Are OBL, FACW, or FAC:6(A)			
3. Acer saccharum	5	No	FACU	Total Number of Dominant			
4.				Species Across All Strata: 7 (B)			
5.				Percent of Dominant Species			
6.				That Are OBL, FACW, or FAC: 85.7% (A/B)			
7.				Prevalence Index worksheet:			
	65	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species 0 x 1 = 0			
1. Ulmus americana	5	Yes	FACW	FACW species 110 x 2 = 220			
2. Fraxinus pennsylvanica	5	Yes	FACW	FAC species 23 x 3 = 69			
3. Cornus amomum	10	Yes	FACW	FACU species 21 x 4 = 84			
4.				UPL species 0 x 5 = 0			
5.				Column Totals: 154 (A) 373 (B)			
6.				Prevalence Index = B/A = 2.42			
7.				Hydrophytic Vegetation Indicators:			
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%			
Onoclea sensibilis	35	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹			
Equisetum hyemale	10	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting			
Toxicodendron radicans	1	No	FAC	data in Remarks or on a separate sheet)			
Cornus amomum	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Equisetum arvense	2	No	FAC	<u></u>			
			FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
	1	No	FACU				
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			
	54	=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. Toxicodendron radicans	10	Yes	FAC_	Hydrophytic			
3		- ——		Vegetation			
4				Present? Yes X No No			
	15	=Total Cover					

US Army Corps of Engineers

SOIL Sampling Point C2K-22 wet

Profile Des	cription: (Describe t	to the dep	oth needed to docu	ment th	ne indica	tor or co	onfirm the absence of	indicators.)
Depth	Matrix		Redox	Featur	es			
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 2/1	95	10YR 4/2	5	<u> </u>	M	Loamy/Clayey	Faint redox concentrations
10-13	10YR 4/2	_74	10YR 4/4	15	C	M	Loamy/Clayey	Distinct redox concentrations
			10YR 5/8	_1_	<u> </u>	PL/M		Prominent redox concentrations
			10YR 3/2	10	C	M		Faint redox concentrations
	·							
	·							
	· 							_
1 _{Type: C=C}	oncentration, D=Depl		-Paduaad Matrix M			——	2l continue DI	=Pore Lining, M=Matrix.
Hydric Soil		elion, Kivi	-Reduced Matrix, M	3-IVIASI	keu Sand	Giailis.		r Problematic Hydric Soils ³ :
Histosol			Polyvalue Belov	v Surfa	20 (58) (DD D		k (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)	v Suria	Je (30) (I	LKK K,		airie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surfa	co (SO)	/I DD D	MI DA 1		ky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)						· —	
			High Chroma Sa					Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L)
	d Layers (A5)	(111)	Loamy Mucky M			κ κ, L)		
	d Below Dark Surface	(A11)	Loamy Gleyed N		F2)			ganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	,	Depleted Matrix		C)			Floodplain Soils (F19) (MLRA 149B)
	Mucky Mineral (S1)		Redox Dark Sur	•	,			odic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark S					nt Material (F21)
	Redox (S5)		Redox Depressi	`	3)			low Dark Surface (F22)
	d Matrix (S6)	,	Marl (F10) (LRF	(K, L)			Other (Ex	plain in Remarks)
Dark Su	ırface (S7)							
³ Indicators o	of hydrophytic vegetat	ion and we	etland hydrology mus	st be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Type:	rock	(
Depth (i	nches):	13					Hydric Soil Present	? Yes <u>X</u> No
	rm is revised from No 2015 Errata. (http://w							S Field Indicators of Hydric Soils,



Wetland C2K-22 (southern)- View facing northeast



Wetland C2K-22 (southern)- Soils

Phase 1

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/13/21
Applicant/Owner: TDI	State: NY Sampling Point: C2K-22 Upl
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
- · · · · - · · · · · · · · · · · · · ·	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-40-49.5N	Long: 73-25-11.38W 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 Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Upland C2K-22 southern. 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 (· ·
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	
Presence of Reduced In	<u> </u>
Algal Mat or Crust (B4) Recent Iron Reduction in This Mark Surface (G7)	
Iron Deposits (B5) — Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	<u> </u>
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:	
Remarks.	

	Absolute	Dominant	Indicator	Sampling Point: C2K-22 Upl
Tree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
				Number of Dominant Species
·				That Are OBL, FACW, or FAC:1 (A)
				Total Number of Dominant
				Species Across All Strata: 4 (B)
				· · · · · · · · · · · · · · · · · · ·
				Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B
i. ,				Prevalence Index worksheet:
		=Total Cover		
Cardina/Ohmah Chartage (Diet sing) 451		- Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			 0	OBL species 0 x1 = 0
Populus tremuloides	2	No	FACU	FACW species 15 x 2 = 30
				FAC species 3 x 3 = 9
·				FACU species 77 x 4 = 308
				UPL species 20 x 5 = 100
·				Column Totals: 115 (A) 447 (B
i:				Prevalence Index = B/A =3.89
. <u> </u>				Hydrophytic Vegetation Indicators:
	2	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size: 5')		-		2 - Dominance Test is >50%
. Cichorium intybus	15	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Pastinaca sativa	10	No	UPL	4 - Morphological Adaptations ¹ (Provide supportin
3. Securigera varia	10	No	UPL	data in Remarks or on a separate sheet)
				Duckley of a liberary to Nove to the of (Fourtein)
Solidago canadensis	10	No No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
Toxicodendron radicans	3	No	FAC_	¹ Indicators of hydric soil and wetland hydrology must
Schedonorus pratensis	45	Yes	FACU	be present, unless disturbed or problematic.
Agrostis gigantea	15	Yes	FACW	Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
)				diameter at breast height (DBH), regardless of height.
0				Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb All barbaccaus (non woods) plants, regardless
	108	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 30')		-		
. Vitis aestivalis	5	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft in height.
		165	TACO	neight.
				Hydrophytic
		·		Vegetation
J				Present? Yes No X
i				

SOIL Sampling Point C2K-22 Upl

Depth Matrix Redox Features Color (moist) % Color (moist) % Type Loc Texture Remark	_
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Total Control Contro	/el
10YR 4/6 1 C M Distinct redox cor 17ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 12Location: PL=Pore Lining, M=Mat Hydric Soil Indicators: 11	
1-Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1-Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1-Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1-Type: Indicators in Indicators in Indicators for Problematic Hydric Still Indicators for Problematic Hydric Indicators of Problematic Hydric Indicators of Indicators of Hydrophytic Vegetation and wetland hydrology must be present, unless disturbed or problematic. 1-Type:	entrations
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Type: rock Depth (inches): 8 Hydric Soil Present? Yes	
Depth (inches): 8 Hydric Soil Present? Yes	
Remarks:	
This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Northcentral Action 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) Roadside fill.	No _X



Upland C2K-22 (southern)- View facing southwest



Upland C2K-22 (southern)- Soils

Phase 1

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	Cit	ty/County: Putnam	/ Washington	Sampling Date: 8/9/22	
Applicant/Owner: TDI			State: NY	Sampling Point: 1A-A-4 wet	
Investigator(s): N. Frazer & C. Scrivner		Section, Tov	vnship, Range:		
Landform (hillside, terrace, etc.): depressio	n Local relie	 ef (concave, conve		Slope %: 1	
Subregion (LRR or MLRA): LRR R	Lat: 43-44-04.28N	•	73-22-27.57W	' Datum: WGS84	
Soil Map Unit Name: Hudson and Vergenne:		Long.	NWI classification:		
Are climatic / hydrologic conditions on the site	•	Yes x	 `	explain in Remarks.)	
Are Vegetation, Soil, or Hydro	logysignificantly disturbed	d? Are "Norm	nal Circumstances" prese	ent? Yes x No	
Are Vegetation, Soil, or Hydro	logynaturally problematic?	? (If needed	l, explain any answers in	Remarks.)	
SUMMARY OF FINDINGS – Attach	site map showing sampli	ing point locat	tions, transects, in	portant features, etc.	
Hydrophytic Vegetation Present?	Yes X No I	ls the Sampled Aı	'ea		
Hydric Soil Present?		within a Wetland?		No	
Wetland Hydrology Present?	Yes X No I	lf yes, optional We	tland Site ID:		
Remarks: (Explain alternative procedures he	ere or in a separate report.)				
(=-μμμμ					
HYDROLOGY					
			0 1 1 1 1 7		
Wetland Hydrology Indicators:	and all and annulus			ninimum of two required)	
Primary Indicators (minimum of one is requir			Surface Soil Cracks		
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (Moss Trim Lines (B	•	
High Water Table (A2) Saturation (A3)	Aquatic Fauna (B13) Marl Deposits (B15)		Dry-Season Water	·	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	١	Crayfish Burrows (0		
Sediment Deposits (B2)	Oxidized Rhizospheres on L		<u> </u>	n Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (Stunted or Stressed		
Algal Mat or Crust (B4)	Recent Iron Reduction in Til		X Geomorphic Position		
Iron Deposits (B5)	Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·			
Inundation Visible on Aerial Imagery (B7	Other (Explain in Remarks)		Microtopographic R	· ·	
Sparsely Vegetated Concave Surface (B	88)		X FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present? Yes x	No Depth (inches):	3			
Water Table Present? Yes	No Depth (inches):				
Saturation Present? Yes	No Depth (inches):	Wetlan	d Hydrology Present?	Yes X No	
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previo	ous inspections), if	available:		
Remarks:					
Culvert present. Wetland connected to Wetla saturation data was not collected.	and CB on the other side of the roa	ad. Inundated, not	soils data collected, the	refore, water table and	
Saturation data was not conceled.					

EGETATION – Use scientific names of pla				
Free Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
				Number of Dominant Species
				That Are OBL, FACW, or FAC: 7 (A)
·		<u> </u>		Total Number of Dominant
l. -				Species Across All Strata: 7 (B)
5.				Percent of Dominant Species
S				That Are OBL, FACW, or FAC: 100.0% (A/B
,		- 		Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 5 x1 = 5
Cornus amomum	50	Yes	FACW	FACW species 117 x 2 = 234
2. Salix alba	40	Yes	FACW_	FAC species5 x 3 =15
3. Ulmus americana	5	<u>No</u>	FACW_	FACU species 0 x 4 = 0
Fraxinus pennsylvanica	2	<u>No</u>	FACW_	UPL species 0 x 5 = 0
j				Column Totals: 127 (A) 254 (B
i				Prevalence Index = B/A =2.00
				Hydrophytic Vegetation Indicators:
	97	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
. Lythrum salicaria	5	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Cornus amomum	5	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporti
3. Persicaria pensylvanica	5	Yes	FACW	data in Remarks or on a separate sheet)
1. Impatiens capensis	10	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
3.				
9.		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
10.		<u> </u>		Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardles
	25	=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 riparia	5	Yes	FAC	height.
2				Hydrophytic
3.				Vegetation
4				Present?
	5	=Total Cover		

SOIL Sampling Point 1A-A-4 wet

Profile Desci	ription: (Describe t	to the de	pth needed to docu	ıment th	ne indica	tor or co	onfirm the absence o	f indicators	s.)	
Depth	Matrix			x Featur						
(inches)	Color (moist)	%	Color (moist)		Type ¹	Loc ²	Texture		Remarks	
							_			
						 ·				
1Type: C=Co	ncentration, D=Depl	etion RM		 lacM=2N	ed Sand		² Location: F		ing, M=Matrix.	
Hydric Soil I		etion, raiv	-iteduced Matrix, is	IO-IVIASI	Keu Sanc	Olailis.			atic Hydric Soils ³ :	
Histosol (Dark Surface (S7)					RR K, L, MLRA 14	
	ipedon (A2)		Polyvalue Belo		ce (S8) (I	RR R			((A16) (LRR K, L , 1	
Black His			MLRA 149B		00 (00) (1	-1414 14,			r Peat (S3) (LRR K ,	•
	n Sulfide (A4)		Thin Dark Surf	,	(I RR R	MI RA 1		-	rface (S8) (LRR K ,	•
	Layers (A5)		High Chroma S		-		· —		S9) (LRR K, L)	_,
	Below Dark Surface	(Δ11)	Loamy Mucky					-	asses (F12) (LRR K	I R)
	rk Surface (A12)	(Δ11)	Loamy Gleyed			、 			n Soils (F19) (MLR	
	odic (A17)		Depleted Matri		1 2)		_		l (F21) (outside M L	
	A 144A, 145, 149B)		Redox Dark Su		·6)				Surface (F22)	IXA 140)
	ucky Mineral (S1)		Depleted Dark					Explain in Re		
	eyed Matrix (S4)		Redox Depress					.хріані ін іхс	ziriarko)	
	edox (S5)		Marl (F10) (LR		5)		³ Indicate	ore of hydror	phytic vegetation ar	nd
	Matrix (S6)		Red Parent Ma		21\ /MI E)			y must be present,	iu
Stripped	Watrix (50)		TREGIT ALERT WAS	iteriai (i	21) (IVILI	(A 140)			or problematic.	
Restrictive I	ayer (if observed):						unics	3 distarbed (ог рговістацо.	
Type:										
Depth (in	ches).						Hydric Soil Prese	nt?	Yes X No	
							Tiyano com ricoc		<u> </u>	
Remarks:	inundated Sails da	to was no	at collected. The det	a naint a	ontoino (or more	communities dominate	tod by OBL	and/or EACM and	ioo and
	on wetland boundary						communities domina	led by OBL	and/or FACVV spec	ies and
are weather r	on wouldn't boundary	y io abiap	1110101010, 00110 0	ata 10 110	r roquiro	.				



Wetland 1A-A-4- View facing south

Phase 1

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	(City/County: Putnam	/ Washington	Sampling Date: 8/9/22			
Applicant/Owner: TDI			State: NY	Sampling Point: 1A-A-4 upl			
Investigator(s): N. Frazer & C. Scrivner		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): flat	Local re	ief (concave, conve	x, none): none	Slope %: 0			
Subregion (LRR or MLRA): LRR R	Lat: 43-44-04.42N	•	73-22-27.66W	Datum: WGS84			
Soil Map Unit Name: Hudson and Vergennes		Long.	NWI classification:				
Are climatic / hydrologic conditions on the site		Yes x		explain in Remarks.)			
			al Circumstances" prese				
Are Vegetation, Soil, or Hydrol			•				
Are Vegetation, Soil, or Hydrol SUMMARY OF FINDINGS – Attach	<u> </u>		d, explain any answers in tions, transects, im	,			
				·			
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled A					
Hydric Soil Present?	Yes X No No X	within a Wetland		No X			
Wetland Hydrology Present?		If yes, optional We	liand Site ID.				
Remarks: (Explain alternative procedures he mowed	re or in a separate report.)						
Mowed							
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (m	ninimum of two required)			
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks				
Surface Water (A1)	Water-Stained Leaves (B9	9)	Drainage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C	1)	Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized Rhizospheres on	Living Roots (C3)	ots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron	on (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in 7	n Tilled Soils (C6) Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks	s) 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): No x Depth (inches): No x Depth (inches):	Wetlan	d Hydrology Present?	Yes No _ X _			
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previ	ious inspections), if	available:				
Remarks:							

EGETATION – Use scientific names of pla	A la a a l4 a	Damainant	lu ali a a ta u	1			
Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
·				Number of Dominant Species			
2				That Are OBL, FACW, or FAC:3 (A)			
3.				Total Number of Dominant			
i				Species Across All Strata: 8 (B)			
5.				Percent of Dominant Species			
S				That Are OBL, FACW, or FAC: 37.5% (A/			
7				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:15')				OBL species 0 x 1 = 0			
. Acer negundo	10	Yes	FAC	FACW species 0 x 2 = 0			
2. Rhamnus cathartica	5	Yes	FAC	FAC species 20 x 3 = 60			
3.				FACU species100 x 4 =400			
l				UPL species27 x 5 =135			
5.				Column Totals: 147 (A) 595 (
S				Prevalence Index = B/A = 4.05			
7.				Hydrophytic Vegetation Indicators:			
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size:5')				2 - Dominance Test is >50%			
. Daucus carota	20	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹			
2. Cichorium intybus	15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting			
B. Plantago lanceolata	10	No	FACU	data in Remarks or on a separate sheet)			
Lotus corniculatus	35	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Artemisia vulgaris	5	No	UPL	¹ Indicators of hydric soil and wetland hydrology mus			
5. Taraxacum officinale	5	No	FACU	be present, unless disturbed or problematic.			
7. Plantago major	10	No	FACU	Definitions of Vegetation Strata:			
3. Ambrosia artemisiifolia	5	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in			
7. Trifolium aureum	2	No	UPL	diameter at breast height (DBH), regardless of heigh			
10. Poa pratensis	15	Yes	FACU	Sapling/shrub – Woody plants less than 3 in. DBH			
11.				and greater than or equal to 3.28 ft (1 m) tall.			
2.				Howh All howhoods as (soon woods) where we would			
	122	=Total Cover		Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.			
Noody Vine Stratum (Plot size: 30')		•					
. Parthenocissus quinquefolia	5	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft height.			
2. Vitis riparia	5	Yes	FAC	<u> </u>			
3.				Hydrophytic			
I.				Vegetation Present? Yes No X			
	10	=Total Cover		163 NO X			
	10	- I Olai COVEI					

SOIL Sampling Point 1A-A-4 upl

Profile Desc Depth	ription: (Describe) Matrix	to the de		ıment th x Featur		ator or co	onfirm the absence of	findicator	'S.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	i .
0-10	10YR 3/1	95	10YR 4/3	5	C	M	Loamy/Clayey	Distin	ct redox cond	entrations
									gravelly fi	II
-										
		letion, RI	M=Reduced Matrix, M	IS=Masl	ked San	d Grains.	² Location: Pl			
Hydric Soil I			D 1 0 6 "	o=\			Indicators fo		-	
— Histosol			Dark Surface (,	oo (CO) (LDDD			LRR K, L, ML	•
Black His	pipedon (A2)		Polyvalue Belo		ce (58) (LKK K,			x (A16) (LRR or Peat (S3) (I	*
	n Sulfide (A4)		Thin Dark Surfa	,	(LRR R	. MLRA 1		-	urface (S8) (L	•
	Layers (A5)		High Chroma S						(S9) (LRR K ,	
	Below Dark Surface	e (A11)	Loamy Mucky I							LRR K, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F2)		Piedmon	t Floodplai	in Soils (F19)	(MLRA 149B)
Mesic Sp	oodic (A17)		Depleted Matrix	x (F3)			Red Pare	ent Materia	al (F21) (outs	ide MLRA 145)
	A 144A, 145, 149B)		X Redox Dark Su		-				Surface (F22)
	lucky Mineral (S1)		Depleted Dark				Other (Ex	xplain in R	emarks)	
	leyed Matrix (S4)		Redox Depress		8)		31			
	edox (S5) Matrix (S6)		Marl (F10) (LR Red Parent Ma	-	21\ (ML I	DA 145\		-	phytic vegeta y must be pre	
Stripped	Matrix (50)		Ited I aleiti wa	teriai (i	∠ 1 <i>)</i> (₩1 ∟ 1	(A 140)			or problemati	
Restrictive L	ayer (if observed):									
Type:	rocl	k								
Depth (ir	nches):	10					Hydric Soil Presen	nt?	Yes X	No
Remarks:							-			



Upland 1A-A-4- View facing east



Upland 1A-A-4- Soils

Phase 1

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	(City/County: Dresder	n/Washington	Sampling Date: 8/9/22			
Applicant/Owner: TDI			State: NY	Sampling Point: A1-B-5 wet			
Investigator(s): N. Frazer & C. Scrivner		Section, To	wnship, Range:				
Landform (hillside, terrace, etc.): depression	Local re	elief (concave, conve	x, none): concave	Slope %: 0-1			
Subregion (LRR or MLRA): LRR R	Lat: 43-40-50.71N	•	73-25-13.18W	 Datum: WGS84			
Soil Map Unit Name: Vergennes silty clay loar		~	NWI classification:	PEM			
Are climatic / hydrologic conditions on the site t		Yes x		explain in Remarks.)			
Are Vegetation , Soil , or Hydrolo	,,		nal Circumstances" prese	,			
			·				
Are Vegetation, Soil, or Hydrolo			d, explain any answers in	•			
SUMMARY OF FINDINGS – Attach s	ite map showing samp	oling point locat	tions, transects, im	portant features, etc.			
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea				
Hydric Soil Present?	Yes X No	within a Wetland?	? Yes <u>X</u>	No			
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID:				
Remarks: (Explain alternative procedures here	e or in a separate report.)						
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (m	ninimum of two required)			
Primary Indicators (minimum of one is required	d; check all tha <u>t apply)</u>		Surface Soil Cracks				
Surface Water (A1)	Water-Stained Leaves (B9	9)	Drainage Patterns (
High Water Table (A2)	Aquatic Fauna (B13)	,	Moss Trim Lines (B16)				
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C	:1)	Crayfish Burrows (C	28)			
Sediment Deposits (B2)	Oxidized Rhizospheres on	n Living Roots (C3)	ng Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed	· ·			
Algal Mat or Crust (B4)	Recent Iron Reduction in 7	· · · · · · · · · · · · · · · · · · ·					
Iron Deposits (B5)	Thin Muck Surface (C7)	· · · · · · ·					
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks	s)	Microtopographic R	` '			
Sparsely Vegetated Concave Surface (B8))		X FAC-Neutral Test (I)5)			
Field Observations:	No. 2 Danth (inches)						
	No x Depth (inches):						
	No x Depth (inches):		d Hydrology Present?	Yes X No			
(includes capillary fringe)	NO x Depui (ilicites).	VVELIGII	a Hydrology Fresent:	res NO			
Describe Recorded Data (stream gauge, moni	itoring well aerial photos, prev	I	available [.]				
	toring, as p, ,	,,	avanaz				
Remarks:							

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
2				
4.				Total Number of Dominant Species Across All Strata: 1 (B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species 0 x 1 = 0
1.				FACW species 92 x 2 = 184
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species 5 x 5 = 25
5.				Column Totals: 97 (A) 209 (B)
6.				Prevalence Index = B/A = 2.15
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Onoclea sensibilis	90	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
Vicia cracca	5	No	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Fraxinus pennsylvanica	2	No	FACW	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	97	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2				Lindrambratio
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: A1-B-5 wet

SOIL Sampling Point A1-B-5 wet

Profile Descr Depth	ription: (Describe t Matrix	o the de		ıment tl x Featur		ator or co	onfirm the absence o	f indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-2	10YR 2/2	80	10YR 4/3	20	С	M	Loamy/Clayey	Faint redox concentrations		
2-7	2.5Y 5/2	80	5YR 3/4	5	C	M	Sandy	Prominent redox concentrations		
			2.5YR 3/6	15	C	M		Prominent redox concentrations		
7-16	10YR 3/1	75	10YR 5/6	5	<u> </u>	<u>M</u>	Sandy	Prominent redox concentrations		
			2.5YR 3/6	_20_	C	<u>M</u>		Prominent redox concentrations		
¹Type: C=Co	ncentration, D=Depl	etion, RN	л=Reduced Matrix, М	lS=Mas	ked San	d Grains.		PL=Pore Lining, M=Matrix.		
Hydric Soil Ir	ndicators:						Indicators for	or Problematic Hydric Soils ³ :		
Histosol (•		Dark Surface (S					uck (A10) (LRR K, L, MLRA 149B)		
	pedon (A2)			Polyvalue Below Surface (S8) (LRR R, Coast Prairie Redox (A16) (LRR K, L						
Black His	` '		MLRA 149B)	,				ucky Peat or Peat (S3) (LRR K, L, R)		
	Sulfide (A4)		Thin Dark Surfa					ie Below Surface (S8) (LRR K, L)		
	Layers (A5)		High Chroma S	-				rk Surface (S9) (LRR K, L)		
	Below Dark Surface	(A11)	Loamy Mucky I			RK, L)	Iron-Manganese Masses (F12) (LRR K, L, R)			
	k Surface (A12)		Loamy Gleyed		F2)			nt Floodplain Soils (F19) (MLRA 149B)		
	odic (A17)		Depleted Matrix		-0)			rent Material (F21) (outside MLRA 145)		
	A 144A, 145, 149B)		Redox Dark Su	-	-			allow Dark Surface (F22)		
	ucky Mineral (S1)		Depleted Dark		, ,		Other (E	xplain in Remarks)		
X Sandy Re	eyed Matrix (S4)		Redox Depress	,	0)		³ Indicators of hydrophytic vegetation and			
	` '		Marl (F10) (LR l Red Parent Ma		:24\ /ML I	DA 14E\	wetland hydrology must be present,			
Stripped i	Matrix (S6)		Red Parent Ma	iteriai (F	(IVILI	KA 145)		s disturbed or problematic.		
	ayer (if observed):									
Type: _	none	<u>e</u>								
Depth (in	ches):						Hydric Soil Preser	nt? Yes X No		
Remarks:										



Wetland A1-B-5- View facing northwest



Wetland A1-B-5- Soils

Phase 1

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE		City/County: Dresder	n/Washington	Sampling Date: 8/9/22			
Applicant/Owner: TDI			State: NY	Sampling Point: A1-B-5 upl			
Investigator(s): N. Frazer & C. Scrivner		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): hillslope	Local re	elief (concave, conve	x, none): convex	Slope %: 3			
Subregion (LRR or MLRA): LRR R	Lat: 43-40-50.71N	•	73-25-13.18W	 Datum: WGS84			
Soil Map Unit Name: Vergennes silty clay loa			NWI classification:				
Are climatic / hydrologic conditions on the site	, ,	Yes x		explain in Remarks.)			
, ,	,,		 `	,			
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese				
Are Vegetation, Soil, or Hydrol			d, explain any answers in	•			
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point locat	tions, transects, in	nportant features, etc.			
Hydrophytic Vegetation Present?	Yes No _X_	Is the Sampled A	rea	1			
Hydric Soil Present?	Yes No X	within a Wetland?	? Yes	No X			
Wetland Hydrology Present?	Yes No X	If yes, optional We	tland Site ID:				
Remarks: (Explain alternative procedures he	ere or in a separate report.)						
successional old field							
LIVEROL COV							
HYDROLOGY							
Wetland Hydrology Indicators:				minimum of two required)			
Primary Indicators (minimum of one is require			Surface Soil Cracks				
Surface Water (A1)	Water-Stained Leaves (B	9)	· · · · · · · · · · · · · · · · · · ·				
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	·			
Saturation (A3)	Marl Deposits (B15)	24)	Dry-Season Water				
Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (0	·			
Sediment Deposits (B2) Drift Deposits (B3)	Oxidized Rhizospheres or Presence of Reduced Iror			on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	Recent Iron Reduction in						
Iron Deposits (B5)	Thin Muck Surface (C7)	Tilled Colle (Co)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)		s)	Microtopographic R	· ·			
Sparsely Vegetated Concave Surface (B	· 	,	FAC-Neutral Test (` '			
Field Observations:	,		_	,			
Surface Water Present? Yes	No x Depth (inches):						
Water Table Present? Yes	No x Depth (inches):						
Saturation Present? Yes	No x Depth (inches):		d Hydrology Present?	Yes NoX_			
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if	available:				
<u> </u>							
Remarks:							

Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
	· 		
	165		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
			Total Number of Dominant
			Species Across All Strata: 5 (B)
			Percent of Dominant Species
			That Are OBL, FACW, or FAC: 0.0% (A/E
			Prevalence Index worksheet:
20	=Total Cover		Total % Cover of: Multiply by:
)			OBL species 0 x 1 = 0
5	Yes	UPL	FACW species 0 x 2 = 0
5	Yes	FACU	FAC species0 x 3 =0
			FACU species105 x 4 =420
			UPL species35 x 5 =175
			Column Totals: 140 (A) 595 (I
			Prevalence Index = B/A = 4.25
			Hydrophytic Vegetation Indicators:
10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
30	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
10	No	UPL	4 - Morphological Adaptations ¹ (Provide supporti
70	Yes	FACU	data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation ¹ (Explain)
			¹ Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Vegetation Strata:
			Tree – Woody plants 3 in. (7.6 cm) or more in
			diameter at breast height (DBH), regardless of heigh
			Sapling/shrub – Woody plants less than 3 in. DBH
			and greater than or equal to 3.28 ft (1 m) tall.
			Herb – All herbaceous (non-woody) plants, regardles
110	=Total Cover		of size, and woody plants less than 3.28 ft tall.
)			Woody vines – All woody vines greater than 3.28 ft
			height.
			Hydrophytic Vegetation
			Present? Yes No X
	20 20 30 5 5 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	20 Yes 20 =Total Cover 5 Yes 5 Yes 10 =Total Cover 30 Yes 10 No 70 Yes 110 =Total Cover	20 Yes UPL 20 =Total Cover 5 Yes UPL 5 Yes FACU 10 =Total Cover 10 No UPL 70 Yes FACU 110 =Total Cover

SOIL Sampling Point: A1-B-5 upl

Depth Matrix		x Features	cator or co	onnirm the absence of	indicators.)	
(inches) Color (moist) %	Color (moist)		Loc ²	Texture	Rema	arks
0-7 10YR 4/3 100				Sandy		
7-16 10YR 5/6 100				Sandy		_
¹ Type: C=Concentration, D=Depletion, RM	//≡Reduced Matrix, N	/IS=Masked Sar	nd Grains.	² Location: PL	=Pore Lining, M=M	atrix.
Hydric Soil Indicators:					Problematic Hyd	
Histosol (A1)	Dark Surface (•			k (A10) (LRR K, L ,	•
Histic Epipedon (A2)		w Surface (S8)	(LRR R,		iirie Redox (A16) (L	•
Black Histic (A3) Hydrogen Sulfide (A4)	MLRA 149B Thin Dark Surf	<i>)</i> ace (S9) (LRR I	R MIRA 1		ky Peat or Peat (S: Below Surface (S8	
Stratified Layers (A5)		Sands (S11) (LF			Surface (S9) (LRF	
Depleted Below Dark Surface (A11)		Mineral (F1) (LF			ganese Masses (F1	•
Thick Dark Surface (A12)	Loamy Gleyed		, ,		·	19) (MLRA 149B)
Mesic Spodic (A17)	Depleted Matri	x (F3)		Red Pare	nt Material (F21) (o	utside MLRA 145)
(MLRA 144A, 145, 149B)	Redox Dark Su	ırface (F6)		Very Shal	low Dark Surface (F22)
Sandy Mucky Mineral (S1)	Depleted Dark			Other (Ex	plain in Remarks)	
Sandy Gleyed Matrix (S4)	Redox Depress			3, ,,	61 1 1 0	
Sandy Redox (S5)	Marl (F10) (LR	· ·	DA 14E\		s of hydrophytic ve	=
Stripped Matrix (S6)	Red Parent Ma	iterial (F21) (ML	.KA 145)		hydrology must be disturbed or proble	
Restrictive Layer (if observed):				dinioso (alotarboa or problem	natio.
Type: none						
Depth (inches):				Hydric Soil Present	? Yes	No X
Remarks:				<u> </u>		



Upland A1-B-5- View facing south



Upland A1-B-5- Soils

Phase 1

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	(City/County: Dresde	n/Washington	Sampling Date: 8/9/22			
Applicant/Owner: TDI			State: NY	Sampling Point: A1-C-9 wet			
Investigator(s): N. Frazer & C. Scrivner		Section, To	wnship, Range:				
Landform (hillside, terrace, etc.): depression	n Local re	elief (concave, conve	x, none): concave	Slope %: 0			
Subregion (LRR or MLRA): LRR R	Lat: 43-40-49.93N	•	73-25-08.37W	 Datum: WGS84			
Soil Map Unit Name: Hudson and Vergennes		5	NWI classification:	PEM			
Are climatic / hydrologic conditions on the site	,	Yes x		explain in Remarks.)			
			`	,			
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese				
Are Vegetation, Soil, or Hydrol	<u></u>		d, explain any answers in	·			
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point loca	tions, transects, ım	portant features, etc.			
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea				
Hydric Soil Present?	Yes X No	within a Wetland	? Yes X	No			
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID:				
Remarks: (Explain alternative procedures he	ere or in a separate report.)						
Shallow emergent marsh.							
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (n	ninimum of two required)			
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks				
X Surface Water (A1)	Water-Stained Leaves (B9	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	21)	Crayfish Burrows (C	28)			
Sediment Deposits (B2)	Oxidized Rhizospheres or	• , ,	Saturation Visible o	n Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron	on (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in						
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D				
Inundation Visible on Aerial Imagery (B7)	· 	s)	Microtopographic R	` '			
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (I	D5)			
Field Observations:	D. O. Co. do						
Surface Water Present? Yes x	No Depth (inches): _	0.5					
Water Table Present? Yes x	No Depth (inches): _	8	111 1 1 Dunnam40	y y Na			
Saturation Present? Yes x	No Depth (inches): _	0 Wetlan	d Hydrology Present?	Yes <u>X</u> No			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	nitering well perial photos prev	rious inspections) if	available:				
Describe Necorded Data (Stream gauge, mor	IIILUTITIY WEII, AETIAI PHOLOS, PIOV	/ious irispections _j , ir	avaliable.				
Remarks:							
Culvert under road present.							

EGETATION – Use scientific names of pla				Sampling Point: A1-C-9 wet		
ree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
. Fraxinus pennsylvanica	5	Yes	FACW	Number of Dominant Species		
Ulmus americana	5	Yes	FACW	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:		
	10	=Total Cover		Total % Cover of: Multiply by:		
apling/Shrub Stratum (Plot size:)				OBL species x 1 = 77		
Cornus amomum	10	Yes	FACW	FACW species 56 x 2 = 112		
				FAC species 2 x 3 = 6		
- <u> </u>				FACU species0 x 4 =0		
				UPL species0 x 5 =0		
				Column Totals: 135 (A) 195 (B		
				Prevalence Index = B/A = 1.44		
				Hydrophytic Vegetation Indicators:		
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
lerb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%		
Scirpus atrovirens	10	No	OBL	X 3 - Prevalence Index is ≤3.0 ¹		
Eutrochium maculatum	10	No	OBL	4 - Morphological Adaptations ¹ (Provide supporti		
Eupatorium perfoliatum	5	No	FACW	data in Remarks or on a separate sheet)		
. Impatiens capensis	8	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)		
Lythrum salicaria	2	No	OBL	1 Indicators of hydric call and watland hydrology must		
. Carex lurida	10	No	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
Thelypteris palustris	15	Yes	FACW	Definitions of Vegetation Strata:		
Onoclea sensibilis	3	No	FACW			
. Equisetum arvense	2	No	FAC	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height		
0. Solidago gigantea	5	No	FACW	Sapling/shrub – Woody plants less than 3 in. DBH		
1. Leersia oryzoides	45	Yes	OBL	and greater than or equal to 3.28 ft (1 m) tall.		
2.				Havb All barbassaus (non woods) plants regardles		
	115	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.		
Voody Vine Stratum (Plot size: 30')		•		Mondaying Allowards disconnected their 2 20 ft is		
·				Woody vines – All woody vines greater than 3.28 ft in height.		
				Hydrophytic		
·				Vegetation Present? Yes X No		
		=Total Cover				
Remarks: (Include photo numbers here or on a separ		•				

SOIL Sampling Point A1-C-9 wet

Depth	Matrix	o the ue	•	x Featur		01 0	onfirm the absence of			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	3
0-4	10YR 2/2	100					Mucky Loam/Clay			
4-8	2.5Y 5/1	70	10YR 2/2	5		М	Loamy/Clayey	Prominent	redox cor	ncentrations
			10YR 5/8	<u></u> 25				Prominent	redox cor	ncentrations
8-16	10YR 2/1	80	10YR 4/1	20		M	Loamy/Clayey			
0-10	1011(2/1		1011(4/1				Loamy/Clayey			
¹ Type: C=Co	oncentration, D=Deple	etion. RN	/=Reduced Matrix. N	 IS=Mas	ked Sand	Grains.	² Location: Pl	L=Pore Lining	. M=Matri	
Hydric Soil I								or Problemati		
Histosol	(A1)		Dark Surface (S	S7)				ck (A10) (LRF		
Histic Ep	ipedon (A2)		Polyvalue Belov	w Surfa	ce (S8) (LRR R,	Coast Pr	airie Redox (A	۱16) (LRR	₹ K, L, R)
Black His	stic (A3)		MLRA 149B))			5 cm Mu	cky Peat or P	eat (S3) (I	LRR K, L, R)
Hydroger	n Sulfide (A4)		Thin Dark Surfa	ace (S9)) (LRR R	, MLRA	149B) Polyvalue	e Below Surfa	ice (S8) (l	∟RR K, L)
Stratified	Layers (A5)		High Chroma S	ands (S	S11) (LRI	R K, L)	Thin Darl	k Surface (S9) (LRR K,	, L)
Depleted	Below Dark Surface	(A11)	Loamy Mucky N	Mineral	(F1) (LR	R K, L)	Iron-Man	ganese Mass	es (F12) ((LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed	Matrix (F2)		Piedmont Floodplain Soils (F19) (MLR			(MLRA 149B)
Mesic Sp	oodic (A17)		X Depleted Matrix	x (F3)			Red Pare	ent Material (F	⁻ 21) (outs	side MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	rface (F	- 6)		Very Sha	allow Dark Sui	rface (F22	<u>?</u>)
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	e (F7)		Other (Ex	xplain in Rem	arks)	
	leyed Matrix (S4)		Redox Depress	-	8)		2			
	edox (S5)		Marl (F10) (LRI					ors of hydrophytic vegetation and		
Stripped	Matrix (S6)		Red Parent Ma	terial (F	(21) (ML	RA 145)		d hydrology m disturbed or _ا		
Restrictive L	.ayer (if observed):						unicss	disturbed or j	Problemat	10.
Type:	none	<u> </u>								
Depth (in	ches):						Hydric Soil Presen	it? Ye	es <u>X</u>	No
Remarks:										



Wetland A1-C-9 (PEM)- View facing north



Wetland A1-C-9 (PEM)- Soils

Phase 1

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	City/County: <u>Dresden/Washington</u> Sampling Date: <u>8/9/22</u>
Applicant/Owner: TDI	State: NY Sampling Point: A1-C-9 wet
Investigator(s): N. Frazer & C. Scrivner	Section, Township, Range:
Landform (hillside, terrace, etc.): depression Local re	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-40-49.93N	Long: 73-25-08.37W Datum: WGS84
Soil Map Unit Name: Hudson and vergennes soils (HWE)	NWI classification: PSS
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrology naturally problema:	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	II yes, optional vvetiand Site ID.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) 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 Podused Iron	
Drift Deposits (B3) Presence of Reduced Iro Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Recent from Reduction in	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):	0.5
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:	

EGETATION – Use scientific names of pla				Sampling Point: A1-C-9 we	<u>;ι</u>			
ree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
. Fraxinus pennsylvanica	10	Yes	FACW	Number of Dominant Species				
2. Ulmus americana	5	Yes	FACW	· ·	(A)			
3. Pinus strobus	2	No	FACU	Total Number of Deminant				
i				Total Number of Dominant Species Across All Strata: 5 (E	(B)			
i.					•			
S.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A	A/B)			
· ·				Prevalence Index worksheet:				
	17	=Total Cover		Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size: 15')				OBL species12 x1 =12	-			
. Cornus amomum	90	Yes	FACW	FACW species 175 x 2 = 350	-			
2.				FAC species 0 x 3 = 0	-			
 3.)		FACU species 2 x 4 = 8	-			
 I.				UPL species 0 x 5 = 0	-			
5.		•		Column Totals: 189 (A) 370	– (B)			
5.				Prevalence Index = B/A = 1.96	- (~ ,			
7.	-			Hydrophytic Vegetation Indicators:				
	90	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation				
Herb Stratum (Plot size: 5')		-10101 -1		X 2 - Dominance Test is >50%				
<u></u>	15	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹				
Cornus amomum Thelypteris palustris	10	No	FACW	4 - Morphological Adaptations ¹ (Provide support				
	40			data in Remarks or on a separate sheet)				
3. Impatiens capensis		Yes No.	FACW					
4. Lythrum salicaria	2	No No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)				
5. Leersia oryzoides		No No	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
6. Onoclea sensibilis	5	No	FACW					
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 heigh				
10.				Sapling/shrub – Woody plants less than 3 in. DBI	ŧН			
11.				and greater than or equal to 3.28 ft (1 m) tall.	11			
12.				Herb – All herbaceous (non-woody) plants, regard	امورا			
	82	=Total Cover		of size, and woody plants less than 3.28 ft tall.	ilto			
Woody Vine Stratum (Plot size:30')					· # ir			
1.				Woody vines – All woody vines greater than 3.28 height.	ħπ			
2.				~ 5				
3.				Hydrophytic				
4.				Vegetation Present? Yes X No				
+		=Total Cover						
		- I Ulai Ouvui						

SOIL Sampling Point A1-C-9 wet

Depth	Matrix	o tile ue	•	x Featur		01 0	onfirm the absence of			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-4	10YR 2/2	100					Mucky Loam/Clay			
4-8	2.5Y 5/1	70	10YR 2/2	5		М	Loamy/Clayey	Prominent	redox cor	ncentrations
			10YR 5/8	<u></u> 25				Prominent	redox cor	ncentrations
8-16	10YR 2/1	80	10YR 4/1	20		M	Loamy/Clayey			
0-10	1011(2/1		1011(4/1				Loamy/Clayey			
¹ Type: C=Co	oncentration, D=Deple	etion. RN	/=Reduced Matrix. N	 IS=Mas	ked Sand	Grains.	² Location: PI	L=Pore Lining	. M=Matri	
Hydric Soil I			,				Indicators fo			
Histosol	(A1)		Dark Surface (S	S7)				ck (A10) (LRF		
Histic Ep	ipedon (A2)		Polyvalue Belov	w Surfa	ce (S8) (LRR R,	Coast Pr	airie Redox (A	۱16) (LRR	₹ K, L, R)
Black His	stic (A3)		MLRA 149B))			5 cm Mu	cky Peat or P	eat (S3) (I	LRR K, L, R)
Hydroger	n Sulfide (A4)		Thin Dark Surfa	ace (S9)) (LRR R	, MLRA	149B) Polyvalue	e Below Surfa	ice (S8) (l	∟RR K, L)
Stratified	Layers (A5)		High Chroma S	ands (S	S11) (LRI	R K, L)	Thin Darl	k Surface (S9) (LRR K,	, L)
Depleted	Below Dark Surface	(A11)	Loamy Mucky N	Mineral	(F1) (LR	R K, L)	Iron-Man	ganese Mass	es (F12) ((LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed	Matrix (F2)		Piedmon	t Floodplain S	Soils (F19)) (MLRA 149B)
Mesic Sp	oodic (A17)		X Depleted Matrix	x (F3)			Red Pare	ent Material (F	⁻ 21) (outs	side MLRA 145)
	A 144A, 145, 149B)		Redox Dark Su	rface (F	- 6)		Very Sha	allow Dark Sui	rface (F22	<u>?</u>)
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	e (F7)		Other (Ex	xplain in Rem	arks)	
	leyed Matrix (S4)		Redox Depress	-	8)		2			
Sandy Redox (S5)			Marl (F10) (LRR K, L)				³ Indicators of hydrophytic vegetation and			
Stripped Matrix (S6)			Red Parent Material (F21) (MLRA 145)				wetland hydrology must be present, unless disturbed or problematic.			
Restrictive L	.ayer (if observed):						unless	disturbed or	problemat	ilG.
Туре: _	none)								
Depth (in	ches):						Hydric Soil Presen	it? Ye	es X	No
Remarks:							•			



Wetland A1-C-9 (PSS)- View facing north



Wetland A1-C-9 (PSS)- Soils

Phase 1

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 8/9/22
Applicant/Owner: TDI	State: NY Sampling Point: A1-C-9 upl
Investigator(s): N. Frazer & C. Scrivner	Section, Township, Range:
Landform (hillside, terrace, etc.): hillslope	Local relief (concave, convex, none): convex Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-40-49.9	
Soil Map Unit Name: Hudson and Vergennes soils (HWE)	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 Hydrologysignificantl	
Are Vegetation , Soil , or Hydrology naturally p	
<u> </u>	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X_
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate rep	port.)
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 Water (A1) Water-Stained Le	
High Water Table (A2) Aquatic Fauna (E	
Saturation (A3)Marl Deposits (B	
Water Marks (B1) Hydrogen Sulfide	
	pheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Red	
l — · · · · — —	uction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5)Thin Muck Surfac	
Inundation Visible on Aerial Imagery (B7) Other (Explain in	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No x Depth (ii	nches):
	nches):
	nches): Wetland Hydrology Present? Yes No _X
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	stop provious inspections) if available:
Describe Recorded Data (stream gauge, monitoring well, aerial pric	nos, previous inspections), il avallable.
Remarks:	

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Populus tremuloides	25	Yes	FACU	Number of Dominant Species			
<u> </u>				That Are OBL, FACW, or FAC: 2 (A)			
·				Total Number of Dominant			
				Species Across All Strata: 4 (B)			
				Percent of Dominant Species			
·				That Are OBL, FACW, or FAC: 50.0% (A/B			
				Prevalence Index worksheet:			
	25	=Total Cover		Total % Cover of: Multiply by:			
apling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0			
. Cornus racemosa	10	Yes	FAC	FACW species 0 x 2 = 0			
Pinus strobus	2	No	FACU	FAC species46 x 3 =138			
				FACU species101 x 4 =404			
				UPL species 7 x 5 = 35			
				Column Totals: 154 (A) 577 (B			
				Prevalence Index = B/A = 3.75			
				Hydrophytic Vegetation Indicators:			
	12	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
lerb Stratum (Plot size:5')				2 - Dominance Test is >50%			
. Equisetum arvense	30	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹			
Solidago canadensis	70	Yes	FACU	4 - Morphological Adaptations ¹ (Provide support			
Pastinaca sativa	2	No	UPL	data in Remarks or on a separate sheet)			
Vicia cracca	5	<u>No</u>	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)			
. Pteridium aquilinum	2	<u>No</u>	FACU	¹ Indicators of hydric soil and wetland hydrology must			
. Cornus racemosa	5	No	FAC	be present, unless disturbed or problematic.			
. Euthamia graminifolia	1	<u>No</u>	FAC	Definitions of Vegetation Strata:			
3				Tree – Woody plants 3 in. (7.6 cm) or more in			
				diameter at breast height (DBH), regardless of height			
0				Sapling/shrub – Woody plants less than 3 in. DBH			
1				and greater than or equal to 3.28 ft (1 m) tall.			
2				Herb – All herbaceous (non-woody) plants, regardles			
	115	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Voody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft i			
. Vitis aestivalis	2	No	FACU	height.			
2				Lhudronhudio			
3				Hydrophytic Vegetation			
·				Present? Yes No X			
	2	=Total Cover					

SOIL Sampling Point A1-C-9 upl

Profile Desc Depth	ription: (Describe : Matrix	to the de		ument th x Featur		itor or co	onfirm the absence of	of indicate	ors.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	(S
0-10	10YR 3/2	100					Sandy			
0-10	10113/2	100					Sandy			
										_
¹ Type: C=Co	ncentration, D=Depl	letion, RN	//=Reduced Matrix, N	/IS=Masi	ked Sand	d Grains.	² Location: F	PL=Pore L	ining, M=Mat	rix.
Hydric Soil I	ndicators:						Indicators	or Proble	ematic Hydric	Soils ³ :
Histosol	(A1)		Dark Surface (S7)			2 cm M	uck (A10)	(LRR K, L, N	ILRA 149B)
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	Coast F	rairie Red	dox (A16) (LR	R K, L, R)
Black His	stic (A3)		MLRA 149B	·)			5 cm M	ucky Peat	or Peat (S3)	(LRR K, L, R)
Hydrogei	n Sulfide (A4)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA 1	(49B) Polyval	ue Below	Surface (S8)	(LRR K, L)
	Layers (A5)		High Chroma S	3ands (S	311) (LRF	R K, L)	Thin Da	rk Surfac	e (S9) (LRR K	(, L)
Depleted	Below Dark Surface	e (A11)	Loamy Mucky	Mineral ((F1) (LR I	R K, L)	Iron-Ma	nganese l	Masses (F12)	(LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed	Matrix (F2)		Piedmo	nt Floodp	lain Soils (F19	9) (MLRA 149B)
	oodic (A17)		Depleted Matri							side MLRA 145)
	A 144A, 145, 149B)		Redox Dark Su	-	-				k Surface (F2	2)
	ucky Mineral (S1)		Depleted Dark				Other (F	Explain in	Remarks)	
	leyed Matrix (S4)		Redox Depress	•	8)		3, ,, ,			
	edox (S5)		Marl (F10) (LR		04) (84) F	34.45\		-	rophytic vege	
Stripped	Matrix (S6)		Red Parent Ma	iteriai (F.	21) (MLF	KA 145)		-	ogy must be p ed or problema	
Postrictivo I	.ayer (if observed):						unles	s disturbe	u or problema	auc.
Type:	rock									
-								10	.,	
Depth (in	iches):	10					Hydric Soil Prese	nt?	Yes	No X
Remarks:										



Upland A1-C-9- View facing west



Upland A1-C-9- Soils

Phase 1

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	(City/County: Dresde	n/Washington	Sampling Date: 8/9/22			
Applicant/Owner: TDI			State: NY	Sampling Point: 1A-D-7B wet			
Investigator(s): N. Frazer & C. Scrivner		Section, To	wnship, Range:				
Landform (hillside, terrace, etc.): ditch	Local re	elief (concave, conve	ex. none): concave	Slope %: 0-1			
Subregion (LRR or MLRA): LRR R	Lat: 43-40-48.20N	•	73-24-58.70W	Datum: WGS84			
Soil Map Unit Name: Hudson and Vergennes		5	NWI classification:	PEM			
Are climatic / hydrologic conditions on the site	, ,	Yes x		explain in Remarks.)			
				,			
Are Vegetation, Soil, or Hydro			nal Circumstances" prese				
Are Vegetation, Soil, or Hydro			d, explain any answers in	•			
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point loca	tions, transects, im	portant features, etc.			
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea				
Hydric Soil Present?	Yes X No	within a Wetland	? Yes X	No			
Wetland Hydrology Present?	Yes X No	If yes, optional We	etland Site ID:				
Remarks: (Explain alternative procedures he	ere or in a separate report.)						
linear vegetated ditch							
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (n	ninimum of two required)			
Primary Indicators (minimum of one is require	ed: check all that apply)		Surface Soil Cracks				
Surface Water (A1)	Water-Stained Leaves (B	9)	Drainage Patterns (
High Water Table (A2)	Aquatic Fauna (B13)	-,	Moss Trim Lines (B				
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C	C1)	Crayfish Burrows (C	C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres or	n Living Roots (C3)	Saturation Visible o	n Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed	· ·			
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	X Geomorphic Positio				
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D	,			
Inundation Visible on Aerial Imagery (B7	· — · · · ·	s)	Microtopographic R	` '			
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (I	D5)			
Field Observations:	No Don'th (inches):						
Surface Water Present? Yes	No x Depth (inches): _						
Water Table Present? Saturation Present? Yes	No x Depth (inches): Depth (inches):		d Hydrology Present?	Yes X No			
(includes capillary fringe)	МО Берит (шолов)		u flyulology Fresent.	169 <u>/</u> 110			
Describe Recorded Data (stream gauge, mor	nitoring well. aerial photos, prev	vious inspections), if	available:				
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,					
Remarks:							

	Absolute	Dominant	Indicator				
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:			
				Number of Dominant Species			
				That Are OBL, FACW, or FAC: 1 (A)			
				Total Number of Dominant			
				Species Across All Strata: 1 (B)			
				Percent of Dominant Species			
				That Are OBL, FACW, or FAC:100.0% (A/E			
				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
pling/Shrub Stratum (Plot size:15')				OBL species88 x 1 =88			
				FACW species 2 x 2 = 4			
				FAC species 15 x 3 = 45			
				FACU species 0 x 4 = 0			
				UPL species 0 x 5 = 0			
				Prevalence Index = B/A =1.30			
				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
erb Stratum (Plot size:5')				X 2 - Dominance Test is >50%			
Lythrum salicaria	80	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹			
Equisetum hyemale	5	No	FAC	4 - Morphological Adaptations (Provide support			
Juncus tenuis	8	No	FAC	data in Remarks or on a separate sheet)			
Carex lurida	8	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)			
Euthamia graminifolia	2	No	FAC	- 			
Phragmites australis	2	No	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
				Definitions of Vegetation Strata:			
				Tree – Woody plants 3 in. (7.6 cm) or more in			
				diameter at breast height (DBH), regardless of heigh			
).							
·				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
				and greater than or equal to 3.20 it (1 iii) tail.			
				Herb – All herbaceous (non-woody) plants, regardles			
	105	=Total Cover		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			
				height.			
				Hydrophytic			
·				Vegetation Present? Yes X No			
		=Total Cover					

SOIL Sampling Point 1A-D-7B wet

	•	o the de	•			ator or co	onfirm the absence of	f indicators.)	
Depth	Matrix			k Featur		. 2			
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture	Remarks	
0-5	10YR 3/3		10YR 4/1	30	<u> </u>	M	Sandy	Distinct redox concentrations	
5-16	N 4/	75	2.5Y 5/2		<u>D</u>	M	Sandy	with rocks	
			2.5Y 5/6	5	C	M		Prominent redox concentrations	
		etion, RI	M=Reduced Matrix, M	1S=Masl	ked Sand	d Grains.		L=Pore Lining, M=Matrix.	
Hydric Soil II			Dank Confess (07\				or Problematic Hydric Soils ³ :	
— Histosol (•		Dark Surface (S		00 (59) (I DD D		ck (A10) (LRR K, L, MLRA 149B)	
Black His	pedon (A2)		MLRA 149B		ce (36) (LKK K,		rairie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R)	
	Sulfide (A4)		Thin Dark Surfa	•	(LRR R	. MLRA 1		e Below Surface (S8) (LRR K, L)	
	Layers (A5)		High Chroma S					k Surface (S9) (LRR K, L)	
	Below Dark Surface	(A11)	Loamy Mucky I					iganese Masses (F12) (LRR K, L, R)	
	rk Surface (A12)	,	Loamy Gleyed			, ,	Piedmont Floodplain Soils (F19) (MLRA 149B)		
Mesic Sp	odic (A17)		Depleted Matrix	x (F3)			Red Pare	ent Material (F21) (outside MLRA 145)	
(MLRA	A 144A, 145, 149B)		Redox Dark Su	ırface (F	- 6)		Very Sha	allow Dark Surface (F22)	
Sandy Mi	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (E	xplain in Remarks)	
	eyed Matrix (S4)		Redox Depress	sions (F	8)				
X Sandy Re			Marl (F10) (LR					rs of hydrophytic vegetation and	
Stripped	Matrix (S6)		Red Parent Ma	iterial (F	21) (ML F	RA 145)		d hydrology must be present,	
Postrictivo I	ayer (if observed):						uniess	disturbed or problematic.	
Type:	none	9							
'' -	ches):						Hydric Soil Preser	nt? Yes X No	
							Tryunc con rieser	163 <u>X</u> 10	
Remarks:									



Wetland 1A-D-7B- View facing west



Wetland 1A-D-7B - Soils

Phase 1

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	City/County: Dresden/ Washington	Sampling Date: 8/9/22				
Applicant/Owner: TDI	State: NY	Sampling Point: 1A-D-7B upl				
Investigator(s): N. Frazer & C. Scrivner	Section, Township, Range:					
Landform (hillside, terrace, etc.): hillslope Local re	relief (concave, convex, none): convex	Slope %: 2				
Subregion (LRR or MLRA): LRR R Lat: 43-40-48.20N	Long: 73-24-58.70W	Datum: WGS84				
Soil Map Unit Name: Hudson and Vergennes soils (HWE)	NWI classification:	 n/a				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, e	explain in Remarks.)				
Are Vegetation , Soil , or Hydrology significantly disturb		,				
Are Vegetation , Soil , or Hydrology naturally problema						
SUMMARY OF FINDINGS – Attach site map showing sam		•				
Hudraphytia Vagatatian Brasant2 Vag No V	la the Sampled Area	-				
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No X Yes No X	Is the Sampled Area within a Wetland? Yes	No _ X_				
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:	<u> </u>				
Remarks: (Explain alternative procedures here or in a separate report.)						
upland roadside						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (m	ninimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks					
Surface Water (A1) Water-Stained Leaves (E						
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B	•				
Saturation (A3) Marl Deposits (B15)	Dry-Season Water 7	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor (.8)				
Sediment Deposits (B2) Oxidized Rhizospheres o	on Living Roots (C3)Saturation Visible or	n Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Reduced Iro		· ·				
Algal Mat or Crust (B4)Recent Iron Reduction in						
Iron Deposits (B5) Thin Muck Surface (C7)		·				
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remark		` '				
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D)5) 				
Field Observations:						
Surface Water Present? Yes No x Depth (inches):						
Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches):		y Na V				
	Wetland Hydrology Present?	Yes No _X_				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre						
Describe Recorded Data (stream gauge, monitoring well, aemai priotos, pre	wious inspections), ii available.					
Remarks:						

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
				Number of Dominant Species
2				That Are OBL, FACW, or FAC:1 (A)
				Total Number of Dominant
l				Species Across All Strata: 3 (B)
5.				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 33.3% (A/B
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 = 0
i				FACW species 0 x 2 = 0
1.				FAC species 30 x 3 = 90
3.				FACU species 66 x 4 = 264
				UPL species 10 x 5 = 50
i				Column Totals: 106 (A) 404 (B
5.				Prevalence Index = B/A = 3.81
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
Schedonorus pratensis	30	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Solidago canadensis	30	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supportin
3. Equisetum hyemale	30	Yes	FAC	data in Remarks or on a separate sheet)
I. Vicia cracca	8	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Daucus carota	2	No	UPL	
5. Taraxacum officinale	1	No	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Lotus corniculatus	5	No	FACU	Definitions of Vegetation Strata:
3.				
).				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
0.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2.				
	106	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 30')		rotal covol		
				Woody vines – All woody vines greater than 3.28 ft in height.
·				noight.
I				Hydrophytic
1				
2				Vegetation
1		=Total Cover		

SOIL Sampling Point 1A-D-7B upl

Depth	Cription: (Describe to Matrix	o tne de		ı ment τι κ Featur		itor or co	onfirm the absence of	r indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	arks
0-11	10YR 3/2	60	10YR 5/1	40	<u> </u>	M	Sandy	Faint redox co	oncentrations
								rocks	s- fill
	oncentration, D=Deple	etion, RM	=Reduced Matrix, M	S=Mas	ked Sand	d Grains.		L=Pore Lining, M=M	
Hydric Soil			5 . 5	a=\				or Problematic Hyd	
— Histosol			Dark Surface (S		(CO) (. DD D		ıck (A10) (LRR K, L	•
	oipedon (A2) stic (A3)		Polyvalue Belo		ce (58) (LKK K,		rairie Redox (A16) (I ucky Peat or Peat (S	·
	n Sulfide (A4)		Thin Dark Surfa) (I RR R	MI RA 1		icky Feat of Feat (S ie Below Surface (S	
	d Layers (A5)		High Chroma S					rk Surface (S9) (LRI	
	d Below Dark Surface	(A11)	Loamy Mucky I	-				nganese Masses (F	•
	ark Surface (A12)	` ,	Loamy Gleyed			, ,		nt Floodplain Soils (F	
Mesic S	podic (A17)		Depleted Matrix	(F3)			Red Pare	ent Material (F21) (c	outside MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	rface (F	- 6)		Very Sha	allow Dark Surface ((F22)
	lucky Mineral (S1)		Depleted Dark	Surface	e (F7)		Other (E	xplain in Remarks)	
	Gleyed Matrix (S4)		Redox Depress		8)		2		
	Redox (S5)		Marl (F10) (LR	-				ors of hydrophytic ve	=
Stripped	Matrix (S6)		Red Parent Ma	terial (F	21) (ML F	RA 145)		nd hydrology must be	•
Restrictive	Layer (if observed):						unless	s disturbed or proble	mauc.
Type:	rocks	3							
Depth (ii		11					Hydric Soil Preser	nt? Yes	No X
							11,4110 00111 10001		<u> </u>
Remarks:									



Upland 1A-D-7B- View facing north



Upland 1A-D-7B - Soils

Phase 1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/13/21
Applicant/Owner: TDI	State: NY Sampling Point: C2L-16 Wet
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
Landform (hillside, terrace, etc.): ditch Local	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-40-47.58N	Long: 73-24-59.20W 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 Hydrology significantly distur	· · · · · _ · · · · ·
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Linear vegetated ditch.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained Leaves (I	——————————————————————————————————————
X High Water Table (A2) Aquatic Fauna (B13) April Deposits (B15)	Moss Trim Lines (B16)
X Saturation (A3) — Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres of	
Drift Deposits (B3) Presence of Reduced Ire	——————————————————————————————————————
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	· / — · · /
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	_
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes x No Depth (inches):	: 1
Water Table Present? Yes x No Depth (inches):	: 3
Saturation Present? Yes x No Depth (inches):	: 0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Remarks.	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 0010.			Number of Dominant Species
2.				That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata:3(B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species40 x 1 =40
1. Pinus strobus	5	Yes	FACU	FACW species0 x 2 =0
2.				FAC species67 x 3 =201
3.				FACU species 5 x 4 = 20
4.				UPL species 0 x 5 = 0
5.				Column Totals: 112 (A) 261 (B)
6.				Prevalence Index = B/A = 2.33
7				Hydrophytic Vegetation Indicators:
1.	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Juncus tenuis	65	Yes	FAC	X 3 - Prevalence Index is ≤3.0 ¹
2. Lythrum salicaria	40	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Equisetum arvense	2	No	FAC	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7		·		Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	107	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		•		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)	•		
Tremarks. (include prioto numbers here of on a separ	ate sneet.)			

Sampling Point: C2L-16 Wet

SOIL Sampling Point C2L-16 Wet

		to the de				ator or co	onfirm the absence o	f indicators.)
Depth (inches)	Matrix	%		x Featur		Loc ²	Toyturo	Pomarka
(inches)	Color (moist)		Color (moist)		Type ¹	Loc	Texture	Remarks
0-2	10YR 2/1	100					Muck	
2-23	5Y 5/1	70	10YR 4/6	30	C	M	Loamy/Clayey	Prominent redox concentrations
								_
¹ Type: C=Co	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Mu	ıck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		MLRA 149B)			? Coast Pi	rairie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (LRR R	, MLRA 1	49B) 5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	811) (LRI	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)
X Depleted	d Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		X Depleted Matri	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic S _l	podic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark					ent Material (F21)
	Redox (S5)		? Redox Depress		8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
3Indicators o	f bydropbytio yogototi	ion and w	otland hydrology mu	int ha ni	rocent	alaaa diat	urbad or problematic	
	f hydrophytic vegetati Layer (if observed):	on and v	veliand hydrology mit	ist be bi	esent, ui	iless dist	urbed or problematic.	
Type:	non	۵						
• • •								
Depth (ii	nches):						Hydric Soil Preser	nt? Yes X No
Remarks:								
								CS Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	ww.nrcs	usua.gov/internet/F3	ב_טטנ	JUIVIENT	S/IIICS 14.	2p2_051293.docx)	



Wetland C2L-16- View facing southeast



Wetland C2L-16- Soils

Phase 1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/13/21
Applicant/Owner: TDI	State: NY Sampling Point: C2L-16 Upl
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
• , ,	relief (concave, convex, none): none Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 43-40-47.58N	Long: 73-24-59.20W 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 Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
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 (· · · · · · · · · · · · · · · · · · ·
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 Deposits (B2)	
Drift Deposits (B3) Presence of Reduced In	<u> </u>
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remain Sparsely Vegetated Concave Surface (B8)	rks) Microtopographic Relief (D4) FAC-Neutral Test (D5)
	(AC-Neutral Test (D3)
Field Observations:	
Surface Water Present? Yes No x Depth (inches)	
Water Table Present? Yes No x Depth (inches)	
Saturation Present? Yes No _x Depth (inches) (includes capillary fringe)	: Wetland Hydrology Present? Yes No _X
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections) if available:
besome recorded bata (stream gauge, monitoring well, acrial photos, pre	svious inspections), it available.
Remarks:	
1	

Tree Charles (District)	Absolute	Dominant	Indicator	Description of Test weeks best
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Juniperus virginiana	15	Yes	<u>FACU</u>	Number of Dominant Species
2.				That Are OBL, FACW, or FAC:1 (A)
3.				Total Number of Dominant
4				Species Across All Strata: 5 (B)
5				Percent of Dominant Species
6		·		That Are OBL, FACW, or FAC:(A/B)
7		·		Prevalence Index worksheet:
	15	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0
1. Pinus strobus	15	Yes	FACU	FACW species 0 x 2 = 0
2. Juniperus virginiana	5	Yes	FACU	FAC species25 x 3 =75
3. Populus tremuloides	2	No	FACU	FACU species 102 x 4 = 408
4				UPL species 7 x 5 = 35
5				Column Totals: 134 (A) 518 (B)
6.				Prevalence Index = B/A =3.87
7	-			Hydrophytic Vegetation Indicators:
	22	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Populus tremuloides	5	No	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Lotus corniculatus	40	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Solidago canadensis	15	No	FACU	data in Remarks or on a separate sheet)
4. Daucus carota	5	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Securigera varia	2	No	UPL	
6. Equisetum hyemale	25	Yes	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Juniperus virginiana	5	No	FACU	Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	97	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		·		
				Woody vines – All woody vines greater than 3.28 ft in height.
				neight.
2				Hydrophytic
3.		·		Vegetation No. V
4.		T-1-1 0		Present? Yes No _X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: C2L-16 Upl

SOIL Sampling Point C2L-16 Upl

Profile Desc	ription: (Describe t	o the de	pth needed to docu	ıment tl	ne indica	tor or co	onfirm the absence of	indicators.)	
Depth	Matrix			K Featur			_		
(inches)	Color (moist)	<u></u> %	Color (moist)		Type ¹	Loc ²	Texture	Remarks	
0-2	10YR 2/2	100					Loamy/Clayey	with organics	
2-8	10YR 4/3	100					Sandy		
8-12	10YR 5/1	85	10YR 5/6	15	<u> </u>	M	Sandy	Prominent redox concentrations	
12-18	10YR 4/2	85	10YR 5/3	15	<u>C</u>	M	Sandy	Faint redox concentrations	
								_	
¹ Type: C=Co	oncentration, D=Depl	etion, RM	I=Reduced Matrix, M	1S=Masl	ked Sand	d Grains.		L=Pore Lining, M=Matrix.	
Hydric Soil			5 5.		(0.0) (1			or Problematic Hydric Soils ³ :	
— Histosol	(A1) pipedon (A2)		Polyvalue Belo MLRA 149B		ce (S8) (I	LRR R,		ck (A10) (LRR K, L, MLRA 149B)	
Black Hi			Thin Dark Surfa		(LRR R	MLRA 1		airie Redox (A16) (LRR K, L, R) cky 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)	
	l Below Dark Surface	(A11)	Loamy Gleyed			. ,		ganese Masses (F12) (LRR K, L, R)	
Thick Da	ark Surface (A12)		Depleted Matrix	x (F3)			Piedmont Floodplain Soils (F19) (MLRA 149B)		
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)		
	edox (S5)		Redox Depress	,	3)		Very Shallow Dark Surface (F22)		
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	xplain in Remarks)	
Dark Su	face (S7)								
³ Indicators of	f hydrophytic vegetati	on and w	etland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.		
	_ayer (if observed):								
Type:	none	е							
Depth (ir	nches):						Hydric Soil Presen	t? Yes No _X	
Remarks:									
	m is revised from Noi 2015 Errata. (http://w		-					S Field Indicators of Hydric Soils,	
VOISION 7.0,	2010 Errata. (http://w	ww.iiios.	usua.gov/internet/1	JL_DOC	OWILINI	0/1110314	2p2_001200.d00x)		



Upland C2L-16- View facing south



Upland C2L-16- Soils

Phase 1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/13/21
Applicant/Owner: TDI	State: NY Sampling Point: C2M-3 Wet
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
Landform (hillside, terrace, etc.): ditch Local	relief (concave, convex, none): concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-40-36.08N	Long: 73-24-35.41W Datum:
Soil Map Unit Name: Hartland very fine sandy loam	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrologynaturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Linear vegetated ditch.	
LIVEROLOGY	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	· ·
High Water Table (A2) Aquatic Fauna (B13) And Deposits (B45)	Moss Trim Lines (B16)
Saturation (A3) — Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Sediment Deposits (B2) X Oxidized Rhizospheres of	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Presence of Reduced Inc.	— · · · · —
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):	r.
Water Table Present? Yes No x Depth (inches):	
Saturation Present? Yes No x Depth (inches):	: Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Culvert under Route 22 at flag C2M-8.	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.	70 00101	<u> </u>		
2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3. 4.		- <u></u>		Total Number of Dominant Species Across All Strata: 3 (B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species60 x 1 =60
1				FACW species 0 x 2 = 0
2.				FAC species30 x 3 =90
3.		_		FACU species10 x 4 =40
4.				UPL species0 x 5 =0
5.				Column Totals: 100 (A) 190 (B)
6.				Prevalence Index = B/A = 1.90
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-		X 2 - Dominance Test is >50%
1. Lythrum salicaria	40	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Juncus tenuis	30	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Lotus corniculatus	10	No	FACU	data in Remarks or on a separate sheet)
4. Typha latifolia	20	Yes	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.	-			diameter at breast height (DBH), regardless of height.
10		-		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11				
	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')	100	-		
				Woody vines – All woody vines greater than 3.28 ft in
				height.
				Hydrophytic
3.				Vegetation
4.		T-1-1 0		Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separate or	rate sheet.)			

Sampling Point: C2M-3 Wet

SOIL Sampling Point C2M-3 Wet

		o the de	-			ator or co	onfirm the absence of	findicators.)
Depth (inches)	Matrix	%		K Featur		1002	Toytura	Domorko
(inches) 0-6	Color (moist) 10YR 2/1	92	7.5YR 3/3	<u>%</u> 8	Type ¹	Loc ² PL	Texture	Remarks Distinct redox concentrations
6-16	2.5Y 3/1	60	10YR 4/4	40	<u> </u>	M	Loamy/Clayey	Prominent redox concentrations
								with gravel
								_
			-					
	oncentration, D=Deple	etion, RI	//≡Reduced Matrix, M	1S=Mas	ked Sand	d Grains.		L=Pore Lining, M=Matrix.
Hydric Soil Histosol			Polyvalue Belo	w Surfa	co (S8) (I DD D		or Problematic Hydric Soils ³ : ck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		ce (30) (I	LKK K,		rairie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa	•	(LRR R	. MLRA 1		cky 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					k Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed			, ,		iganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	,	Depleted Matri		,			t Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		X Redox Dark Su	ırface (F	⁻ 6)		Mesic Sp	oodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	sleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	ent Material (F21)
Sandy R	ledox (S5)		? Redox Depress	sions (F	8)		Very Sha	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K , L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
³ Indicators o	f hydrophytic vegetati	on and v	vetland hydrology mu	ıst be pı	esent, ur	nless dist	urbed or problematic.	
	Layer (if observed):						·	
Type:	rock	(
Depth (ii	nches):	16					Hydric Soil Preser	nt? Yes X No
Remarks:								
			_					CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs	.usda.gov/Internet/F	SE_DOC	JUMENI	S/nrcs14	2p2_051293.docx)	



Wetland C2M-3- View facing south



Wetland C2M-3- Soils

Phase 1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/13/21
Applicant/Owner: TDI	State: NY Sampling Point: C2M-3-Upl
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
- · · · · - · · · · · · · · · · · · · ·	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-40-36.08	Long: 73-24-35.41W Datum:
Soil Map Unit Name: Hartland very fine sandy loam	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? 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.) 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 (· ·
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	
Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction in This Mark Surface (G3)	
Iron Deposits (B5) — Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _x Depth (inches).	
Water Table Present? Yes No x Depth (inches)	
Saturation Present? Yes No _x Depth (inches)	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Develop	
Remarks:	

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:30')	% Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
				Number of Dominant Species
				That Are OBL, FACW, or FAC: 0 (A)
				Total Number of Dominant Species Across All Strata: 1 (B)
				opecies Acioss Ali Ottata.
				Percent of Dominant Species
				That Are OBL, FACW, or FAC:(A/E
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15')				OBL species 1 x 1 = 1
				FACW species 0 x 2 = 0
				FAC species0 x 3 =0
				FACU species101 x 4 =404
				UPL species1 x 5 =5
				Column Totals: 103 (A) 410 (E
				Prevalence Index = B/A = 3.98
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
ouls Christians (Dist size) 51		- Total Govel		2 - Dominance Test is >50%
erb Stratum (Plot size: 5')				
Poa pratensis	100	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Lythrum salicaria	1	<u>No</u>	OBL	4 - Morphological Adaptations ¹ (Provide supporti
Daucus carota	1	No	UPL	data in Remarks or on a separate sheet)
Lotus corniculatus	1	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
				1
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				
				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of height
)				Sapling/shrub – Woody plants less than 3 in. DBH
l				and greater than or equal to 3.28 ft (1 m) tall.
2.				
	103	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size: 30')		•		
· — · — ·				Woody vines – All woody vines greater than 3.28 ft
				height.
				Hydrophytic
· <u></u>				Hydrophytic Vegetation
		=Total Cover		
4		=Total Cover		

SOIL Sampling Point C2M-3-Upl

	•	o the de	-			ator or co	onfirm the absence of	f indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	es Type ¹	Loc ²	Texture	Remarks
0-4	10YR 3/2	100	Color (moist)		Туре		Loamy/Clayey	with organics
4-18	2.5Y 3/2	95	10YR 6/6	5	<u> </u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations
								with gravel
¹ Type: C=Co	ncentration, D=Deple	etion. RN	/=Reduced Matrix. N	 ∕IS=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil Ir		,	,					or Problematic Hydric Soils ³ :
Histosol (A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Mu	ick (A10) (LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)		MLRA 149B	3)			Coast Pr	rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf				· —	icky Peat or Peat (S3) (LRR K, L, R)
	Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	Layers (A5)	(8.4.4)	Loamy Mucky			R K, L)		k Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)
	k Surface (A12) ucky Mineral (S1)		Depleted Matri X Redox Dark St		·6)			nt Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark					ent Material (F21)
Sandy Re			? Redox Depres					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		,			xplain in Remarks)
Dark Surf	ace (S7)							
3								
	nydropnytic vegetation	on and v	vetland hydrology mi	ust be pr	esent, ui	niess dist	urbed or problematic.	
Type:	rock							
Depth (in		18					Hydric Soil Preser	nt? Yes X No
Remarks:							.,	· · · · · · · · · · · · · · · · · · ·
	n is revised from Nor	thcentra	I and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NR0	CS Field Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	ww.nrcs	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	



Upland C2M-3- View facing south



Upland C2M-3- Soils

Phase 1

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	(City/County: Dresde	n/Washington	Sampling Date: 8/9/22		
Applicant/Owner: TDI			State: NY	Sampling Point: 1B-A-4 wet		
Investigator(s): N. Frazer & C. Scrivner		Section, To	wnship, Range:			
Landform (hillside, terrace, etc.): depression	n Local re	elief (concave, conve	ex. none): concave	Slope %: 0		
Subregion (LRR or MLRA): LRR R	Lat: 43-40-00.99N	•	73-25-07.00W	 Datum: WGS84		
Soil Map Unit Name: Oakville loamy fine san		5	NWI classification:			
Are climatic / hydrologic conditions on the site		Yes x		explain in Remarks.)		
			` ` `	,		
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese			
Are Vegetation, Soil, or Hydrol	<u></u>		d, explain any answers in	,		
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point loca	tions, transects, im	nportant features, etc.		
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea	1		
Hydric Soil Present?	Yes X No	within a Wetland	? Yes <u>X</u>	No		
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID:			
Remarks: (Explain alternative procedures he	ere or in a separate report.)					
shallow emergent marsh						
HYDROLOGY				•		
Wetland Hydrology Indicators:			Secondary Indicators (n	minimum of two required)		
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks	s (B6)		
Surface Water (A1)	Water-Stained Leaves (BS	9)	Drainage Patterns (
—— High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	·		
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water			
Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (C	·		
Sediment Deposits (B2)	X Oxidized Rhizospheres or			on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron	<u> </u>				
Algal Mat or Crust (B4)	Recent Iron Reduction in Thin Muck Surface (C7)					
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)		<u> </u>				
Sparsely Vegetated Concave Surface (Bi	· 	5)	X FAC-Neutral Test (I	, ,		
Field Observations:		<u> </u>	<u> </u>	50)		
Surface Water Present? Yes	No x Depth (inches):					
Water Table Present? Yes	No x Depth (inches):					
Saturation Present? Yes x	No Depth (inches):		d Hydrology Present?	Yes X No		
(includes capillary fringe)	• • • • •		,			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if	available:			
Remarks:						

	Absolute	Dominant	Indicator			
ree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:		
·				Number of Dominant Species		
				That Are OBL, FACW, or FAC: 4 (A)		
·		· ——		Total Number of Dominant Species Across All Strata: 5 (B)		
				``		
				Percent of Dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B		
				Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15')			OBL species 70 x 1 = 70		
. Fraxinus pennsylvanica	5	Yes	FACW	FACW species 30 x 2 = 60		
Cornus amomum	15	Yes	FACW	FAC species 35 x 3 = 105		
Lonicera tatarica	5	Yes	FACU	FACU species 5 x 4 = 20		
i				UPL species0 x 5 =0		
j				Column Totals: 140 (A) 255 (B		
i				Prevalence Index = B/A = 1.82		
				Hydrophytic Vegetation Indicators:		
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
lerb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%		
. Lythrum salicaria	50	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹		
. Equisetum arvense	30	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting		
Impatiens capensis	10	No	FACW	data in Remarks or on a separate sheet)		
Typha angustifolia	20	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)		
Cornus racemosa	5	No	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
				Definitions of Vegetation Strata:		
				Tree – Woody plants 3 in. (7.6 cm) or more in		
				diameter at breast height (DBH), regardless of height		
0				Sapling/shrub – Woody plants less than 3 in. DBH		
1				and greater than or equal to 3.28 ft (1 m) tall.		
2				Herb – All herbaceous (non-woody) plants, regardles		
	115	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Voody Vine Stratum (Plot size: 30'))			Woody vines – All woody vines greater than 3.28 ft in height.		
3.				Hydrophytic		
				Vegetation Present? Yes X No		
		=Total Cover				

SOIL Sampling Point 1B-A-4 wet

Profile Desc Depth	ription: (Describe t Matrix	o the de		ument ti x Featur		ator or co	onfirm the absence o	f indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-7	10YR 2/1	60	10YR 3/6	10	<u>C</u>	PL	Loamy/Clayey	Prominent redox concentrations		
			5YR 5/8	30	<u>C</u>	M		Prominent redox concentrations		
7-9	10YR 4/1	85	10YR 2/1	5	<u>C</u>	M	Sandy	Faint redox concentrations		
			10YR 4/6	10	<u>C</u>	M		Prominent redox concentrations		
9-16	5Y 2.5/1	85	7.5YR 4/6	5	C	M	Loamy/Clayey	Prominent redox concentrations		
			10YR 5/3	10	C	<u>M</u>		Prominent redox concentrations		
	oncentration, D=Depl	etion, RM	=Reduced Matrix, M	1S=Masl	ked San	d Grains.		PL=Pore Lining, M=Matrix.		
Hydric Soil I			5 10 5	07/				or Problematic Hydric Soils ³ :		
— Histosol			Dark Surface (\$		(CO) (uck (A10) (LRR K, L, MLRA 149B)		
Black His	oipedon (A2)		Polyvalue Belo		ce (58) (LKK K,		rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		Thin Dark Surfa	,	(I PP P	MIDA		ue Below Surface (S8) (LRR K, L)		
	l Layers (A5)		High Chroma S					rk Surface (S9) (LRR K, L)		
		(Δ11)								
	Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2)				IX IX, L)	Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B)				
	podic (A17)		Depleted Matrix)			rent Material (F21) (outside MLRA 145)		
	A 144A, 145, 149B)		X Redox Dark Su		:6)			allow Dark Surface (F22)		
	lucky Mineral (S1)		Depleted Dark		-			Explain in Remarks)		
	leyed Matrix (S4)		Redox Depress					s,plan in remarko)		
	edox (S5)		Marl (F10) (LR		-,		³ Indicators of hydrophytic vegetation and			
	Matrix (S6)		Red Parent Ma		21) (MI I	RA 145)	wetland hydrology must be present,			
	Watik (00)			itoriai (i	21) (III.	140)		s disturbed or problematic.		
Restrictive L Type:	_ayer (if observed):	•								
-	none	-					Under Call Dragge	mt2 Vac V Na		
Depth (in Remarks:	icnes).		<u> </u>				Hydric Soil Prese	nt? Yes X No		
ixemaiks.										



Wetland 1B-A-4 (PEM)- View facing east



Wetland 1B-A-4 (PEM)- Soils

Phase 1

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	(City/County: Dresder	n/Washington	Sampling Date: 8/9/22			
Applicant/Owner: TDI		· <u></u>	State: NY	Sampling Point: 1B-A-4 wet			
Investigator(s): N. Frazer & C. Scrivner		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): depression	Local re	elief (concave, conve	x, none): concave	Slope %: 0			
Subregion (LRR or MLRA): LRR R	Lat: 43-40-00.99N	•	73-25-07.00W	 Datum: WGS84			
Soil Map Unit Name: Oakville loamy fine sand			NWI classification:	PSS			
Are climatic / hydrologic conditions on the site to		Yes x		explain in Remarks.)			
				,			
Are Vegetation, Soil, or Hydrold			nal Circumstances" prese				
Are Vegetation, Soil, or Hydrold			d, explain any answers in	·			
SUMMARY OF FINDINGS – Attach s	site map showing samp	oling point locat	tions, transects, ım	portant 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	tland Site ID:				
Remarks: (Explain alternative procedures her	re or in a separate report.)						
shrub swamp							
HYDROLOGY				·			
Wetland Hydrology Indicators:			Secondary Indicators (n	ninimum of two required)			
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks				
Surface Water (A1)	Water-Stained Leaves (B9	9)	Drainage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)					
— Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (C	·			
Sediment Deposits (B2)	X Oxidized Rhizospheres on	• , ,		n Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed				
Algal Mat or Crust (B4)	Recent Iron Reduction in Thin Muck Surface (C7)	Tilled Soils (Co)	X Geomorphic Position				
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)		c)	Shallow Aquitard (D Microtopographic R	•			
Sparsely Vegetated Concave Surface (B8		5)	X FAC-Neutral Test (I	, ,			
Field Observations:	<u>'</u>		<u> </u>				
Surface Water Present? Yes	No x Depth (inches):						
Water Table Present? Yes	No x Depth (inches):						
Saturation Present? Yes x	No Depth (inches):		d Hydrology Present?	Yes X No			
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
<u> </u>							
Remarks:							

O (D	Absolute	Dominant	Indicator			
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:		
				Number of Dominant Species		
				That Are OBL, FACW, or FAC: 4 (A)		
				Total Number of Descious		
				Total Number of Dominant Species Across All Strata: 4 (B)		
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B		
·				Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: Multiply by:		
apling/Shrub Stratum (Plot size: 15')				OBL species 30 x 1 = 30		
. Alnus incana	75	Yes	FACW	FACW species 85 x 2 = 170		
Lonicera tatarica	10	No	FACU	FAC species 15 x 3 = 45		
				<u> </u>		
Lonicera morrowii	10	. <u>No</u>	FACU	FACU species 20 x 4 = 80		
. Cornus racemosa	5	No	FAC_	UPL species 0 x 5 = 0		
·				Column Totals: 150 (A) 325 (B		
·				Prevalence Index = B/A = 2.17		
·				Hydrophytic Vegetation Indicators:		
	100	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
lerb Stratum (Plot size:5')				X 2 - Dominance Test is >50%		
Iris pseudacorus	25	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹		
. Impatiens capensis	10	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting		
. Equisetum arvense	10	Yes	FAC	data in Remarks or on a separate sheet)		
. Lythrum salicaria	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)		
				¹ Indicators of hydric soil and wetland hydrology must		
				be present, unless disturbed or problematic.		
		· <u></u>		Definitions of Vegetation Strata:		
				Tree Meady plants 2 in (7 C and a page in		
				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height		
0.						
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
1 2						
	50	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.		
Voody Vine Stratum (Plot size: 30')		- Total Cover		of size, and woody plants less than 5.20 ft tail.		
				Woody vines – All woody vines greater than 3.28 ft in		
•				height.		
·				Hydrophytic		
		·		Vegetation		
				Present?		
·		=Total Cover				

SOIL Sampling Point 1B-A-4 wet

Profile Desc Depth	ription: (Describe t Matrix	o the de		ıment ti x Featur		ator or co	onfirm the absence o	f indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-7	10YR 2/1	60	10YR 3/6	10	<u>C</u>	PL	Loamy/Clayey	Prominent redox concentrations	
			5YR 5/8	30	<u>C</u>	M		Prominent redox concentrations	
7-9	10YR 4/1	85	10YR 2/1	5	<u>C</u>	M	Sandy	Faint redox concentrations	
			10YR 4/6	_10_	C	M		Prominent redox concentrations	
9-16	5Y 2.5/1		7.5YR 4/6	5	C	M	Loamy/Clayey	Prominent redox concentrations	
			10YR 3/3	10	C	M		Prominent redox concentrations	
¹Type: C=Co	oncentration, D=Deple	etion, RN	——— ∕I=Reduced Matrix, M	MS=Mas	ked San	d Grains.	² Location: P	PL=Pore Lining, M=Matrix.	
Hydric Soil I								or Problematic Hydric Soils ³ :	
Histosol	(A1)		Dark Surface (S7)			2 cm Muck (A10) (LRR K, L, MLRA 149B)		
	ipedon (A2)		Polyvalue Belo		ce (S8) (LRR R,	Coast Prairie Redox (A16) (LRR K, L, R)		
Black His	,		MLRA 149B	,				ucky Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		Thin Dark Surfa					ue Below Surface (S8) (LRR K, L)	
Stratified Layers (A5) High Chroma Sands (S11) (LRR K, L)				Thin Dark Surface (S9) (LRR K, L)					
Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L)				Iron-Manganese Masses (F12) (LRR K, L, R)					
Thick Dark Surface (A12) Loamy Gleyed Matrix (F2)				Piedmont Floodplain Soils (F19) (MLRA 149B)					
Mesic Spodic (A17) — Depleted Matrix (F3)					Red Parent Material (F21) (outside MLRA 145)				
	(MLRA 144A, 145, 149B) <u>X</u> Redox Dark Surface (F6)					Very Shallow Dark Surface (F22)			
	Sandy Mucky Mineral (S1) — Depleted Dark Surface (F7)					Other (E	Explain in Remarks)		
	Sandy Gleyed Matrix (S4) Redox Depressions (F8)					3			
	Marl (F10) (LRR K, L)			³ Indicators of hydrophytic vegetation and					
Stripped	Stripped Matrix (S6) Red Parent Material (F21) (MLRA 148)		RA 145)	wetland hydrology must be present, unless disturbed or problematic.					
Restrictive L	_ayer (if observed):						uniess	s disturbed of problematic.	
Туре:	none	9							
Depth (in	nches):						Hydric Soil Presei	nt? Yes X No	
Remarks:									



Wetland 1B-A-4 (PSS)- View facing south



Wetland 1B-A-4 (PSS) - Soils

Phase 1

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE		City/County: Dresde	n/Washington	Sampling Date: 8/9/22
Applicant/Owner: TDI			State: NY	Sampling Point: 1B-A-4 upl
Investigator(s): N. Frazer & C. Scrivner		Section, To	wnship, Range:	
Landform (hillside, terrace, etc.): hillslope	Local re	elief (concave, conve	x, none): convex	Slope %: 2
Subregion (LRR or MLRA): LRR R	Lat: 43-40-01.15N	•	73-25-07.32W	 Datum: WGS84
Soil Map Unit Name: Oakville loamy fine san			NWI classification:	
Are climatic / hydrologic conditions on the site		Yes x		explain in Remarks.)
			` ` `	,
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese	
Are Vegetation, Soil, or Hydrol			d, explain any answers in	·
SUMMARY OF FINDINGS – Attach	site map snowing samp	piling point loca	tions, transects, iii	iportant features, etc.
Hydrophytic Vegetation Present?	Yes No _X	Is the Sampled A	rea	
Hydric Soil Present?	Yes No X	within a Wetland		No X
Wetland Hydrology Present?	Yes No _X	If yes, optional We	tland Site ID:	
Remarks: (Explain alternative procedures he	ere or in a separate report.)			
successional old field				
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (r	ninimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks	
Surface Water (A1)	Water-Stained Leaves (B	39)	Drainage Patterns	
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	316)
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	Table (C2)
— Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (0	•
Sediment Deposits (B2)	Oxidized Rhizospheres or			on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed	
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	Geomorphic Position	
Iron Deposits (B5)	Thin Muck Surface (C7)	1	Shallow Aquitard (E	
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B	· — · · · · ·	(S)	Microtopographic R FAC-Neutral Test (` '
	0)		FAC-Neuliai 1631 (D5)
Field Observations: Surface Water Present? Yes	No v Denth (inches):			
Surface Water Present? Yes Water Table Present? Yes	No x Depth (inches): _ No x Depth (inches): _			
Saturation Present? Yes	No x Depth (inches):		d Hydrology Present?	Yes No X
(includes capillary fringe)	70 <u>x</u> Sepan (u 11jui 0.0gj	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, pre	vious inspections), if	available:	
		·		
Remarks:				

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
Fraxinus americana	10	Yes	FACU	Number of Dominant Species
				That Are OBL, FACW, or FAC: (A)
		. <u></u>		Total Number of Dominant
·				Species Across All Strata: 3 (B)
				Percent of Dominant Species
i				That Are OBL, FACW, or FAC: (A/B
				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
sapling/Shrub Stratum (Plot size: 15')		•		OBL species 0 x 1 = 0
·				FACW species 0 x 2 = 0
				FAC species 5 x 3 = 15
				FACU species 117 x 4 = 468
				UPL species 15 x 5 = 75
·				Column Totals: 137 (A) 558 (B
				Prevalence Index = B/A = 4.07
·				Hydrophytic Vegetation Indicators:
•		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
. Schedonorus pratensis	85	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Pastinaca sativa	8	No	UPL	4 - Morphological Adaptations ¹ (Provide supportin
Daucus carota	5	No	UPL	data in Remarks or on a separate sheet)
	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
Lotus corniculatus Verbascum thapsus	2	No No	UPL	Problematic Hydrophytic Vegetation (Explain)
	8			¹ Indicators of hydric soil and wetland hydrology must
Oenothera biennis Rudbeckia hirta	2	No No	FACU FACU	be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
Pinus strobus		No No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in
Galium boreale	5	No	<u>FAC</u>	diameter at breast height (DBH), regardless of height.
0				Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardless
	122	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
. Vitis aestivalis	5	Yes	<u>FACU</u>	height.
<u> </u>				Hydrophytic
i				Vegetation
				Present? Yes No _X
		=Total Cover		

SOIL Sampling Point 1B-A-4 upl

Depth	ription: (Describe to Matrix	o the de		ument ti x Featur		itor or co	onfirm the absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	S
0-8	10YR 4/3	100					Sandy		
1Type: C=Ce	oncentration, D=Deple	tion DA	4-Poduced Metrix N		Lod Sand	Crains	2l coation: DI	L=Pore Lining, M=Matri	iv.
Hydric Soil I		tion, ixi	/i-rreduced Matrix, i	vio-ivias	Keu Sanc	Giailis.		or Problematic Hydric	
Histosol			Dark Surface ((S7)				ck (A10) (LRR K, L, M I	
	pipedon (A2)		Polyvalue Belo	. ,	ce (S8) (I	LRR R.		airie Redox (A16) (LRF	•
Black His			MLRA 149B		() (-	,		cky Peat or Peat (S3) (•
	n Sulfide (A4)		Thin Dark Surf	,	(LRR R	MLRA 1		e Below Surface (S8) (I	-
	Layers (A5)		High Chroma					k Surface (S9) (LRR K ,	-
Depleted	l Below Dark Surface	(A11)	Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Iron-Man	iganese Masses (F12)	(LRR K, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F2)		Piedmon	t Floodplain Soils (F19)	(MLRA 149B)
Mesic Sp	oodic (A17)		Depleted Matri	ix (F3)			Red Pare	ent Material (F21) (outs	side MLRA 145)
	A 144A, 145, 149B)		Redox Dark St		-			allow Dark Surface (F22	2)
	lucky Mineral (S1)		Depleted Dark				Other (E)	xplain in Remarks)	
	leyed Matrix (S4)		Redox Depres		8)		3		
	edox (S5)		Marl (F10) (LR		(O4) (B4) F			rs of hydrophytic vegeta	
Stripped	Matrix (S6)		Red Parent Ma	ateriai (F	21) (MLF	KA 145)		d hydrology must be pr disturbed or problemat	
Restrictive I	_ayer (if observed):						unless	disturbed or problema	uc.
Type:	rock								
· · -		8					Hydric Soil Presen	nt? Yes	No. Y
	nches):	0					nyuric Soli Presen	it! fes	No <u>X</u>
Remarks:									



Upland 1B-A-4- View facing south



Upland 1B-A-4- Soils

Phase 1

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE	City/County:	: Dresden/Washington	Sampling Date: 8/9/22
Applicant/Owner: TDI		State: NY	Sampling Point: 1B-A-17 wet
Investigator(s): N. Frazer & C. Scrivner	Sec	ction, Township, Range:	<u> </u>
Landform (hillside, terrace, etc.): depression	Local relief (concav	/e, convex, none): concave	Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 43-40-09.73N	Long: 73-25-01.01W	Datum: WGS84
Soil Map Unit Name: Oakville loamy fine sand (0	_	NWI classification:	PFO
Are climatic / hydrologic conditions on the site typ	·		explain in Remarks.)
	·		,
Are Vegetation, Soil, or Hydrology		Are "Normal Circumstances" prese	
Are Vegetation, Soil, or Hydrology		If needed, explain any answers in	•
SUMMARY OF FINDINGS – Attach site	e map showing sampling poir	nt locations, transects, im	portant features, etc.
Hydrophytic Vegetation Present? Yes	es X No Is the San	mpled Area	
Hydric Soil Present? Yes	es X No within a V	Wetland? Yes X	No
Wetland Hydrology Present? Yes	es X No If yes, opti	tional Wetland Site ID:	
Remarks: (Explain alternative procedures here of	or in a separate report.)		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (m	
Primary Indicators (minimum of one is required;		Surface Soil Cracks	
	X_Water-Stained Leaves (B9)	Drainage Patterns (E	•
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B1	·
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water T	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C	·
l 	X Oxidized Rhizospheres on Living Roo	` ' 	n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed	· ·
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	· · — ·	
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D:	·
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Re	` '
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (D)5)
Field Observations:			
	lo x Depth (inches):		
	lo x Depth (inches):	141-41	V V No
	lo x Depth (inches):	Wetland Hydrology Present?	YesX No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitor	ring well perial photos, previous inspec	ations) if available:	
Describe Necorded Data (Sircam gauge, monitor	Ting well, aeriai priotos, previous inspec	,tions), ii avaliabic.	
Remarks:			
connected to pond			

EGETATION – Use scientific names of pla	1113.			Sampling Point: 1B-A-17 wet
<u>Free Stratum</u> (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	35	Yes	FACW	Number of Dominant Species
2. Alnus incana	5	No	FACW	That Are OBL, FACW, or FAC:6 (A)
3. Ulmus americana	5	No	FACW	Total Number of Dominant
1. Populus deltoides	40	Yes	FAC	Species Across All Strata: 6 (B)
5.				Percent of Dominant Species
3.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7.		,		Prevalence Index worksheet:
	85	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species 0 x1 = 0
I. Alnus incana	40	Yes	FACW	FACW species 159 x 2 = 318
2. Fraxinus pennsylvanica	20	Yes	FACW	FAC species 60 x 3 = 180
3. Lonicera tatarica	10	No	FACU	FACU species 10 x 4 = 40
1.		, <u></u>		UPL species 0 x 5 = 0
5.				Column Totals: 229 (A) 538 (B)
5.				Prevalence Index = B/A = 2.35
7.				Hydrophytic Vegetation Indicators:
	70	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
1. Onoclea sensibilis	35	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Lysimachia nummularia	10	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Equisetum hyemale	20	Yes	FAC	data in Remarks or on a separate sheet)
4. Alnus incana	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Fraxinus pennsylvanica		No No	FACW	<u> </u>
6. Cornus amomum		No	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
3.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11				
12	74	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
AM - di Vina Chatum (Diat aiza: 301)		= I Olai Covci		
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				Hydrophytic
3.		. ——		Vegetation
4		-		Present?
		=Total Cover		

SOIL Sampling Point 1B-A-17 wet

Depth	ription: (Describe t Matrix	o the de	-	ıment tı x Featur		ALUF OF C	onfirm the absence of	i muicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-7	10YR 3/1	85	10YR 3/2	5	<u>C</u>	M	Loamy/Clayey	Faint redox concentrations	
			10YR 5/3	10	<u>C</u>	<u>M</u>		Distinct redox concentrations	
7-16	2.5Y 4/1	80	10YR 5/6	5	C	<u>M</u>	Loamy/Clayey	Prominent redox concentrations	
			10YR 5/4	10	C	<u>M</u>		Prominent redox concentrations	
			10YR 4/4	5	C	PL		Prominent redox concentrations	
¹Type: C=Co	oncentration, D=Depl	etion, RI	————————————————————————————————————	 //S=Mas	ked San	d Grains.	² Location: P	L=Pore Lining, M=Matrix.	
Hydric Soil		,	, , , , , , , , , , , , , , , , , , ,			-		or Problematic Hydric Soils ³ :	
Histosol	(A1)		Dark Surface (S7)			2 cm Mu	ick (A10) (LRR K, L, MLRA 149B)	
	pipedon (A2)		Polyvalue Belo		ce (S8) (LRR R,		rairie Redox (A16) (LRR K, L, R)	
Black Hi	` '		MLRA 149B)	,				icky Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		Thin Dark Surfa					e Below Surface (S8) (LRR K, L)	
	l Layers (A5) l Below Dark Surface	(Δ11)	High Chroma S Loamy Mucky I					rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R)	
	ark Surface (A12)	(A11)	Loamy Gleyed			K K, L)		nt Floodplain Soils (F19) (MLRA 149B)	
	podic (A17)		X Depleted Matrix		,			ent Material (F21) (outside MLRA 145)	
	A 144A, 145, 149B)		X Redox Dark Su		6)			allow Dark Surface (F22)	
	lucky Mineral (S1)		Depleted Dark		-			xplain in Remarks)	
Sandy G	leyed Matrix (S4)		Redox Depress	sions (F	8)		<u>—</u>		
Sandy R	edox (S5)		Marl (F10) (LR	RK,L)			³ Indicato	rs of hydrophytic vegetation and	
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	21) (ML I	RA 145)	wetland hydrology must be present,		
	77						unless	disturbed or problematic.	
Type:	Layer (if observed): none	<u> </u>							
•	nches):	<u>-</u>					Hydric Soil Preser	nt? Yes X No	
Remarks:							-	_	



Wetland 1B-A-17- View facing west



Wetland 1B-A-17- Soils

Phase 1

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE		City/County: Dresde	n/Washington	Sampling Date: 8/9/22
Applicant/Owner: TDI			State: NY	Sampling Point: 1B-A-17 upl
Investigator(s): N. Frazer & C. Scrivner		Section, To	wnship, Range:	<u> </u>
Landform (hillside, terrace, etc.): flat	Local re	elief (concave, conve	ex, none): none	Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 43-40-09.82N	•	73-25-01.66W	 Datum: WGS84
Soil Map Unit Name: Oakville loamy fine sar			NWI classification:	
Are climatic / hydrologic conditions on the site		Yes x		explain in Remarks.)
			` `	•
Are Vegetation, Soil, or Hydro			nal Circumstances" pres	
Are Vegetation, Soil, or Hydro			d, explain any answers ir	·
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, in	nportant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea	
Hydric Soil Present?	Yes No X	within a Wetland	? Yes	NoX
Wetland Hydrology Present?	Yes No X	If yes, optional We	etland Site ID:	
Remarks: (Explain alternative procedures he	ere or in a separate report.)			
forested upland				
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Crack	s (B6)
Surface Water (A1)	Water-Stained Leaves (B	39)	Drainage Patterns	(B10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (E	·
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	
— Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (·
Sediment Deposits (B2)	Oxidized Rhizospheres or			on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	` '	Stunted or Stresse	
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	Geomorphic Positi	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7	Thin Muck Surface (C7) Other (Explain in Remark	(0)	Shallow Aquitard (I	
Sparsely Vegetated Concave Surface (B	· 	(S)	FAC-Neutral Test (` '
Field Observations:				(00)
Surface Water Present? Yes	No x Depth (inches):			
Water Table Present? Yes	No x Depth (inches):			
Saturation Present? Yes	No x Depth (inches):		d Hydrology Present?	Yes No _ X
(includes capillary fringe)	• • • • •			
Describe Recorded Data (stream gauge, moi	nitoring well, aerial photos, prev	vious inspections), if	available:	
Remarks:				

ree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Tree Stratum (Plot size:30') . Acer saccharum	70	Yes	FACU	Dominance rest worksheet.
	20	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
- <u></u> -		res	FAC	That Are OBL, FACW, or FAC: 4 (A)
3 I.				Total Number of Dominant
				Species Across All Strata: 6 (B)
5				Percent of Dominant Species
S				That Are OBL, FACW, or FAC: 66.7% (A/B)
·		-Tatal Causa		Prevalence Index worksheet:
) (OL OL (DL) (EL)	90	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')	40	.,	E4.0	OBL species 0 x1 = 0
Carpinus caroliniana	40	Yes	FAC	FACW species 0 x 2 = 0
2. Pinus strobus	8	No	FACU	FAC species 92 x 3 = 276
3. <u>Fraxinus americana</u>	10	No	<u>FACU</u>	FACU species96 x 4 =384
l				UPL species0 x 5 =0
j				Column Totals: 188 (A) 660 (B)
S				Prevalence Index = B/A = 3.51
				Hydrophytic Vegetation Indicators:
	58	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				X 2 - Dominance Test is >50%
. Fraxinus americana	8	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Cornus racemosa	5	No	FAC	4 - Morphological Adaptations ¹ (Provide supportin
3. Carpinus caroliniana	10	Yes	FAC	data in Remarks or on a separate sheet)
Equisetum hyemale	15	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Rhamnus cathartica	2	No	FAC	¹ Indicators of hydric soil and wetland hydrology must
3.				be present, unless disturbed or problematic.
.				Definitions of Vegetation Strata:
3				Tree – Woody plants 3 in. (7.6 cm) or more in
)				diameter at breast height (DBH), regardless of height.
0.				Sapling/shrub – Woody plants less than 3 in. DBH
1.				and greater than or equal to 3.28 ft (1 m) tall.
2.		· · · · · · · · · · · · · · · · · · ·		Have All barbassaus (non woods) plants, rewardless
	40	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 30')		-		
				Woody vines – All woody vines greater than 3.28 ft in height.
2.		· ——		
3.				Hydrophytic
I.				Vegetation Present? Yes X No
		=Total Cover		103 <u>X</u> 100 <u></u>

SOIL Sampling Point 1B-A-17 upl

Depth	ription: (Describe to Matrix	tne ae		ı ment tı x Featur		itor or co	onfirm the absence of indicators.)	
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture Remarks	
0-16	10YR 4/3	100					Sandy	
• •	ncentration, D=Deple	tion, RM	=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.		
Hydric Soil II							Indicators for Problematic Hydric Soils ³ :	
Histosol (•		Dark Surface (2 cm Muck (A10) (LRR K, L, MLRA 149	
	pedon (A2)		Polyvalue Belo		ce (S8) (I	LRR R,	Coast Prairie Redox (A16) (LRR K, L, R	
Black His			MLRA 149B	,			5 cm Mucky Peat or Peat (S3) (LRR K, I	
	Sulfide (A4)		Thin Dark Surfa					.)
	Layers (A5)	(0.44)	High Chroma S				Thin Dark Surface (S9) (LRR K, L)	. D)
	Below Dark Surface	(A11)	Loamy Mucky I			KK,L)	Iron-Manganese Masses (F12) (LRR K,	
	rk Surface (A12)		Loamy Gleyed		F2)		Piedmont Floodplain Soils (F19) (MLRA	
	odic (A17) A 144A, 145, 149B)		Depleted Matrix Redox Dark Su		:6)		Red Parent Material (F21) (outside MLF Very Shallow Dark Surface (F22)	(A 145)
	ucky Mineral (S1)		Depleted Dark		-		Other (Explain in Remarks)	
	eyed Matrix (S4)		Redox Depress				Curior (Explain in Normano)	
Sandy Re			Marl (F10) (LR		-,		³ Indicators of hydrophytic vegetation and	
	Matrix (S6)		Red Parent Ma		21) (MLF	RA 145)	wetland hydrology must be present,	
<u> </u>	,			`	, ,	,	unless disturbed or problematic.	
Restrictive L	ayer (if observed):						·	
Type:	none							
Depth (in	ches):						Hydric Soil Present? Yes No	X
Remarks:								_
Remarks.								



Upland 1B-A-17- View facing west



Upland 1B-A-17- Soils

Phase 1

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/14/21
Applicant/Owner: TDI	State: NY Sampling Point: CII-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: 43-40-06.69N	Long: 73-25-05.69W Datum:
Soil Map Unit Name: Oakville loamy fine sand	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	· · · · · _ · · · · ·
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Cattail 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 Odor (
Sediment Deposits (B2) Oxidized Rhizospheres Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	<u> </u>
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Thin Muck Surface (C7)	· / — · · /
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Other (Explain in Remar	_
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes x No Depth (inches):	. 05
Water Table Present? Yes x No Depth (inches): Saturation Present? Yes x No Depth (inches):	
Saturation Present? Yes x No Depth (inches): (includes capillary fringe)	:0 Wetland Hydrology Present? Yes _X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Describe Necorded Data (stream gauge, monitoring well, aerial photos, pre	available.
Remarks:	
1	

	Absolute	Dominant	Indicator	
Free Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
·				Number of Deminent Species
1.				Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
				Total Number of Dominant Species Across All Strata: 4 (B)
 i.				
5.	-			Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species 73 x 1 = 73
. Cornus amomum	8	Yes	FACW	FACW species 9 x 2 = 18
2. Cornus racemosa	5	Yes	FAC	FAC species 8 x 3 = 24
3. Salix nigra	5	Yes	OBL	FACU species 0 x 4 = 0
. Salix Higra		165	OBL	
i				Column Totals: 90 (A) 115 (B)
). 	-	-		Prevalence Index = B/A = 1.28
·				Hydrophytic Vegetation Indicators:
	18	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
. Typha angustifolia	50	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
L. Lythrum salicaria	10	No	OBL	4 - Morphological Adaptations ¹ (Provide supportindata in Remarks or on a separate sheet)
Equisetum hyemale	3	<u>No</u>	<u>FAC</u>	data in Remarks of on a separate sneet)
Salix nigra	8	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
Carex sp.	8	No		¹ Indicators of hydric soil and wetland hydrology must
6. Onoclea sensibilis	1	No	FACW	be present, unless disturbed or problematic.
Sphagnum moss sp.	10	No		Definitions of Vegetation Strata:
3				Tree – Woody plants 3 in. (7.6 cm) or more in
)				diameter at breast height (DBH), regardless of height.
0				Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardless
	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 30')		•		Woody vines – All woody vines greater than 3.28 ft in
·				height.
1.				
3.				Hydrophytic
I.				Vegetation Present? Yes X No
		=Total Cover		
		- I Olai Covei		

SOIL Sampling Point CII-2 Wet

Profile Desc Depth	cription: (Describe t Matrix	o the de		iment tl k Featur		ator or co	onfirm the absence of	indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/1	100					Loamy/Clayey	with organics
5-14	10YR 4/1	60	10YR 4/4	40	С	М	Sandy	Distinct redox concentrations
14-21	10YR 4/1	70	2.5Y 4/1	20		<u>—</u>	Sandy	
			10YR 4/6	10		<u>—</u>		Prominent redox concentrations
								 ,
¹ Type: C=Co	oncentration, D=Deple		======================================	 IS=Mas	ked San		² I ocation: PI	L=Pore Lining, M=Matrix.
Hydric Soil		ouon, ruv	T Treduced Wattix, IV	O Mas	nou ourn	a Graino.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belov	w Surfa	ce (S8) (LRR R,		ck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)		, , ,		? Coast Pr	airie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	1 49B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	ands (S	611) (LR I	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
	l Layers (A5)		Loamy Mucky N			R K, L)		k Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			ganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matrix		-0)			at Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1) sleyed Matrix (S4)		Redox Dark Su Depleted Dark		-			podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21)
X Sandy R			Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LRI		-,			xplain in Remarks)
	rface (S7)			, ,				, ,
	, , , ,	on and w	etland hydrology mu	st be pr	esent, u	nless dist	urbed or problematic.	
	_ayer (if observed):							
Type:	none	9						
Depth (ir	nches):						Hydric Soil Presen	nt? Yes X No
Remarks:								
	m is revised from Nor 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,
version 7.0,	2015 Effata. (Http://w	ww.iiics.	usua.gov/internet/i c	,L_DOC	JOIVILINI	0/11/03 14/	2p2_031293.d0cx)	
								,
								,
								,
								,



Wetland CII-2- View facing west



Wetland CII-2- Soils

Phase 1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/14/21
Applicant/Owner: TDI	State: NY Sampling Point: CII-2 Upl
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
• , ,	relief (concave, convex, none): flat Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-40-06.69N	Long: 73-25-05.69W Datum:
Soil Map Unit Name: Oakville loamy fine sand	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No _X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Successional old field.	
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 Oxidized Rhizospheres	
Presence of Reduced Ir	
Algal Mat or Crust (B4) — Recent Iron Reduction i	
Iron Deposits (B5) Thin Muck Surface (C7)	<u> </u>
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rema	
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, pro	evious inspections), if available:
Remarks:	

<u>Free Stratum</u> (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
. Rhamnus cathartica	15	Yes	FAC			
				Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)		
				(,,		
	-			Total Number of Dominant Species Across All Strata: 6 (B)		
				``		
	-	· ——		Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B		
·				Prevalence Index worksheet:		
·	15	=Total Cover				
Carling/Church Chartons (Diet sies 45)		- Total Cover				
Sapling/Shrub Stratum (Plot size: 15')	45	V	E40	OBL species 0 x1 = 0		
. Cornus racemosa	15	Yes	FAC	FACW species 0 x 2 = 0		
2. Juniperus virginiana	10	Yes	<u>FACU</u>	FAC species 80 x 3 = 240		
Rhus typhina	5	No	UPL	FACU species 57 x 4 = 228		
Pinus strobus	5	No	<u>FACU</u>	UPL species 5 x 5 = 25		
j				Column Totals: 142 (A) 493 (B		
S				Prevalence Index = B/A = 3.47		
·				Hydrophytic Vegetation Indicators:		
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%		
. Equisetum hyemale	20	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹		
2. Pinus strobus	2	No	FACU	4 - Morphological Adaptations (Provide supporting		
3. Galium boreale	30	Yes	FAC	data in Remarks or on a separate sheet)		
I. Solidago canadensis	40	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)		
5. Sphagnum moss sp.	5	No		Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.		
<u> </u>						
·. · · · · · · · · · · · · · · · · · ·	-			Definitions of Vegetation Strata:		
3.				Torre Manchentage (7.0 cm) and are in		
).				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height		
0.						
1.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
2.	97	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
Noody Vine Stratum (Plot size: 30')		·				
				Woody vines – All woody vines greater than 3.28 ft in height.		
				neight.		
				Hydrophytic		
3.				Vegetation No. No.		
1	-	·		Present?		
		=Total Cover		Í		

SOIL Sampling Point CII-2 Upl

		o the de				tor or co	onfirm the absence of ind	icators.)
Depth (inches)	Color (moist)	%	Color (moist)	x Featur %	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 3/2	100	Color (moist)		Туре		Loamy/Clayey	Nemarks
							Loamy/Olayey	
7-15	10YR 5/3	100					Sandy	with gravel
								
¹Type: C=Co	ncentration, D=Deple	etion, RM	1=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	² Location: PL=Po	ore Lining, M=Matrix.
Hydric Soil II			•					oblematic Hydric Soils ³ :
Histosol ((A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck (A	A10) (LRR K, L, MLRA 149B)
Histic Epi	ipedon (A2)		MLRA 149B)			Coast Prairie	Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf				49B) 5 cm Mucky l	Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					low Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			R K, L)		rface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			ese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri		-6)			odplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1) eyed Matrix (S4)		Redox Dark Su Depleted Dark				Red Parent N	(TA6) (MLRA 144A, 145, 149B)
	edox (S5)		Redox Depress					Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		0)			n in Remarks)
Dark Surf	` '			, -,				,, ,
_	, ,							
³ Indicators of	hydrophytic vegetati	on and w	vetland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Type: _	none	9						
Depth (in	ches):						Hydric Soil Present?	Yes No _X_
Remarks:								
								ield Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/F	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	



Upland CII-2- View facing north



Upland CII-2- Soils

Phase 1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/14/21
Applicant/Owner: TDI	State: NY Sampling Point: CJJ-3A Wet
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
• • • •	relief (concave, convex, none): concave Slope %: 0-1
Subregion (LRR or MLRA): LRR R Lat: 43-39-50.07N	Long: 73-25-16.06W 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 Hydrology significantly distur	
Are Vegetation, Soil, or Hydrologynaturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes 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:
Linear vegetated ditch.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) X Oxidized Rhizospheres of Deposits (B2)	
Drift Deposits (B3) Presence of Reduced Inc	
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Thin Muck Surface (C7)	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes 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)	Wettand Trydrology Present: Tes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections) if available:
gaage, memoring nen, acrai proces, pro	
Remarks:	
Culvert under Route 22 at flag CJJ-1A.	

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)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species80 x 1 =80
1. Cornus amomum	3	No	FACW	FACW species 8 x 2 = 16
2.				FAC species 15 x 3 = 45
3.				FACU species 2 x 4 = 8
4				UPL species 0 x 5 = 0
5.				Column Totals: 105 (A) 149 (B)
				Prevalence Index = B/A = 1.42
7.				Hydrophytic Vegetation Indicators:
	3	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		- Total Cover		X 2 - Dominance Test is >50%
	65	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
1. Lythrum salicaria				4 - Morphological Adaptations ¹ (Provide supporting
2. Scirpus atrovirens	10	No No	OBL	data in Remarks or on a separate sheet)
3. Euthamia graminifolia	15	No No	FAC	
4. Solidago gigantea	5	No	FACW_	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Typha angustifolia	5	No	OBL_	¹ Indicators of hydric soil and wetland hydrology must
6. Lotus corniculatus	2	No	FACU	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	102	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		•		Washing Allingahing protection 2 20 ft in
1.				Woody vines – All woody vines greater than 3.28 ft in height.
0				- rogra
				Hydrophytic
				Vegetation Present? Yes X No
4.		T-1-1 0		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separate	rate sheet.)			

Sampling Point: CJJ-3A Wet

SOIL Sampling Point CJJ-3A Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix			Featur		. 2				
(inches)	Color (moist)		Color (moist)		Type ¹	<u>Loc²</u>	Texture Remarks			
0-6	10YR 3/1	98	10YR 3/4		<u> </u>	PL_	Loamy/Clayey Distinct redox concentrations			
6-10	10YR 5/1	85	10YR 5/3	15	<u> </u>	M	Loamy/Clayey Distinct redox concentrations			
10-19	2.5Y 4/1	55	10YR 6/6	<u>45</u>	<u>C</u>	<u>M</u>	Loamy/Clayey Prominent redox concentrations			
19-21	10YR 4/2	100					Sandy with gravel			
1- 0.0							2			
	oncentration, D=Deple	etion, RM	1=Reduced Matrix, M	S=Mas	ked Sand	d Grains.				
Hydric Soil Histosol			Polyvalue Belov	w Surfa	ce (S8) (I RR R	Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B)			
	pipedon (A2)		MLRA 149B)		00 (00) (LIKIK IK,	? Coast Prairie Redox (A16) (LRR K, L, R)			
Black Hi			Thin Dark Surfa		(LRR R	, MLRA 1				
	n Sulfide (A4)		High Chroma S		-		Polyvalue Below Surface (S8) (LRR K, L)			
	Layers (A5)		Loamy Mucky N				Thin Dark Surface (S9) (LRR K, L)			
? Depleted	l Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
Thick Da	ark Surface (A12)		Depleted Matrix	(F3)			Piedmont Floodplain Soils (F19) (MLRA 149B)			
Sandy M	lucky Mineral (S1)		X Redox Dark Su	rface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)			
Sandy R	edox (S5)		Redox Depress	ions (F	3)		Very Shallow Dark Surface (F22)			
	Matrix (S6)		Marl (F10) (LRI	R K, L)			Other (Explain in Remarks)			
Dark Su	face (S7)									
³ Indicators o	f hydrophytic vegetati	on and w	etland hydrology mu	st be pr	esent, ur	nless dist	turbed or problematic.			
	_ayer (if observed):									
Type:	none	9								
Depth (ir	nches):						Hydric Soil Present? Yes X No			
Remarks:										
	m is revised from Nor 2015 Errata. (http://w						n 2.0 to include the NRCS Field Indicators of Hydric Soils,			
V 61 51011 7.0,	2013 Effata. (IIttp://w	ww.iiics.	usua.gov/internet/i c	L_DOC	OIVILIVI	0/11/03 14	F2P2_001290.d00X)			



Wetland CJJ-3A- View facing southwest



Wetland CJJ-3A - Soils

Phase 1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/14/21
Applicant/Owner: TDI	State: NY Sampling Point: CJJ-3A-Upl
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
• , ,	I relief (concave, convex, none): none Slope %: 1
Subregion (LRR or MLRA): LRR R Lat: 43-39-50.07N	Long: 73-25-16.06W 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 Hydrology significantly distu	
Are Vegetation, Soil, or Hydrology naturally problem	natic? (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
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.) 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	
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced II	
Algal Mat or Crust (B4) Recent Iron Reduction i	<u> </u>
Iron Deposits (B5) Thin Muck Surface (C7)	,
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rema	
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, pr	evious inspections), if available:
Remarks:	

Absolute	Dominant	Indicator				
% Cover	Species?	Status	Dominance Test worksheet:			
			Number of Dominant Species			
<u> </u>			That Are OBL, FACW, or FAC:0 (A)			
			Total Number of Dominant			
			Species Across All Strata:1 (B)			
			Percent of Dominant Species			
			That Are OBL, FACW, or FAC:0.0% (A/B			
			Prevalence Index worksheet:			
	=Total Cover		Total % Cover of: Multiply by:			
)			OBL species 0 x 1 = 0			
			FACW species 0 x 2 = 0			
			FAC species 20 x 3 = 60			
			FACU species 105 x 4 = 420			
			UPL species 16 x 5 = 80			
			Column Totals: 141 (A) 560 (B			
· ·			Prevalence Index = B/A = 3.97			
			Hydrophytic Vegetation Indicators:			
	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
			2 - Dominance Test is >50%			
10	No	UPI	3 - Prevalence Index is ≤3.0 ¹			
			- —— 4 - Morphological Adaptations ¹ (Provide supportin			
			data in Remarks or on a separate sheet)			
			Problematic Hydrophytic Vegetation ¹ (Explain)			
			- 			
			 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 			
100	163	1700	Definitions of Vegetation Strata:			
			Tree – Woody plants 3 in. (7.6 cm) or more in			
			diameter at breast height (DBH), regardless of height			
			Sapling/shrub – Woody plants less than 3 in. DBH			
			and greater than or equal to 3.28 ft (1 m) tall.			
			Herb – All herbaceous (non-woody) plants, regardless			
141	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
			Woody vines – All woody vines greater than 3.28 ft in			
)						
			height.			
) 			height.			
	<u> </u>		height. Hydrophytic Vegetation			
	=Total Cover		height. Hydrophytic			
	10 5 20 11 5 100	=Total Cover =Total Cover =Total Cover 10 No 5 No 20 No 1 No 5 No 100 Yes	=Total Cover =Total Cover =Total Cover 10 No UPL 5 No UPL 20 No FAC 1 No UPL 5 No FACU 100 Yes FACU			

SOIL Sampling Point CJJ-3A-Upl

		o the de				tor or co	onfirm the absence of indic	eators.)
Depth	Matrix	0/		x Featur		1 - 2	T 4	Damasaka
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-5	10YR 2/2	100					Sandy	
5-9	10YR 2/2	100					Sandy	with rocks
								_
								_
¹Type: C=Co	ncentration, D=Deple	etion, RM	1=Reduced Matrix, N	 /IS=Masl	ked Sand	Grains.	² Location: PL=Por	e Lining, M=Matrix.
Hydric Soil II								blematic Hydric Soils ³ :
Histosol ((A1)		Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,	2 cm Muck (A	10) (LRR K, L, MLRA 149B)
Histic Epi	ipedon (A2)		MLRA 149B)			Coast Prairie F	Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf		-		<u> </u>	eat 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)		ace (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			se Masses (F12) (LRR K, L, R)
	rk Surface (A12) ucky Mineral (S1)		Depleted Matri Redox Dark Su		·6)			dplain Soils (F19) (MLRA 149B) (TA6) (MLRA 144A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark				Red Parent Ma	
Sandy Re			Redox Depress					Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		- /		Other (Explain	
Dark Surf	face (S7)						 · · ·	•
³ Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	ıst be pr	esent, ur	less dist	urbed or problematic.	
	ayer (if observed):							
Type: _	rock							
Depth (in	ches):	9					Hydric Soil Present?	Yes No _X_
	n is revised from Nor 2015 Errata. (http://w		-					ld Indicators of Hydric Soils,



Upland CJJ-3A- View facing northeast



Upland CJJ-3A- Soils

Phase 1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/14/21						
Applicant/Owner: TDI	State: NY Sampling Point: СКК-1A 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: 43-39-47.52W	Long: 73-25-20.34W Datum:						
Soil Map Unit Name: Vergennes silty clay	NWI classification: PSS						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly distur							
Are Vegetation , Soil , or Hydrologysignificantly distant							
							
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)	4						
Linear vegetated ditch.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (I							
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)						
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)						
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres	· · · · · · · · · · · · · · · · · · ·						
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4) Recent Iron Reduction in	n 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 Remar	rks)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):	:10 Wetland Hydrology Present? YesX No						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), il available:						
Remarks:							
Culvert under Route 22 present.							

Indicator Paralagana Tantaganahara
Status Dominance Test worksheet:
——— Number of Dominant Species
That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant SpeciesThat Are OBL, FACW, or FAC: 100.0% (A/B
Prevalence Index worksheet:
Total % Cover of: Multiply by:
OBL species 15 x 1 = 15
FAC FACW species 20 x 2 = 40
FAC species 86 x 3 = 258
FACU species 0 x 4 = 0
UPL species 2 x 5 = 10
Prevalence Index = B/A = 2.63
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation
-
X 2 - Dominance Test is >50%
FACW X 3 - Prevalence Index is ≤3.01
FAC 4 - Morphological Adaptations (Provide supportine data in Remarks or on a separate sheet)
FAC Problematic Hydrophytic Vegetation ¹ (Explain)
UPL 1Indicators of hydric soil and wetland hydrology must
FAC be present, unless disturbed or problematic.
Definitions of Vegetation Strata:
Tree – Woody plants 3 in. (7.6 cm) or more in
diameter at breast height (DBH), regardless of height
Sapling/shrub – Woody plants less than 3 in. DBH
and greater than or equal to 3.28 ft (1 m) tall.
Herb – All herbaceous (non-woody) plants, regardles
of size, and woody plants less than 3.28 ft tall.
Woody vines – All woody vines greater than 3.28 ft i
height.
Hydrophytic Vegetation
Present? Yes X No
over

SOIL Sampling Point CKK-1A Wet

		o the de				tor or co	onfirm the absence of	f indicators.)
Depth	Matrix			(Featur		. 2	- .	
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/2	100					Loamy/Clayey	
8-18	2.5Y 5/2	60	10YR 4/6	35	<u>C</u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations
			10YR 2/1	5	<u>C</u>	M		Prominent redox concentrations
• •	oncentration, D=Depl	etion, RN	1=Reduced Matrix, M	IS=Mas	ked Sand	d Grains.		L=Pore Lining, M=Matrix.
Hydric Soil					(00) (1			or Problematic Hydric Soils ³ :
— Histosol			Polyvalue Belo		ce (S8) (I	LRR R,		ick (A10) (LRR K, L, MLRA 149B)
	oipedon (A2) stic (A3)		MLRA 149B) Thin Dark Surfa		(I DD D	MI DA 1		rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S		-			e Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky I					k Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed			(IX, L)		nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(/(11)	X Depleted Matrix)			nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		— Depleted Dark					ent Material (F21)
	Redox (S5)		Redox Depress					allow Dark Surface (F22)
 Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)						_	
³ Indicators o	f hydrophytic vegetati	on and w	otland hydrology mu	et bo pr	ocont ur	aloce diet	urbod or problematic	
	Layer (if observed):	on and v	retiand hydrology mu	ist be pi	esent, ui	iless dist	urbed or problematic.	
Type:	none	е						
Depth (ii	nches):						Hydric Soil Preser	nt? Yes X No
Remarks:								
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs142	2p2_051293.docx)	



Wetland CKK-1A- View facing northeast



Wetland CKK-1A- Soils

Phase 1

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/14/21
Applicant/Owner: TDI	 State: NY Sampling Point: СКК-4A Wet
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-39-46.31N	Long: 73-25-23.52W 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 Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problema	
 	
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	•
Vegetated linear ditch.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres of	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in	n Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _x Depth (inches):	
Water Table Present? Yes No _x Depth (inches):	
Saturation Present? Yes No x Depth (inches):	: Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

	Absolute	Dominant	Indicator				
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:			
2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)			
3 4				Total Number of Dominant Species Across All Strata:3(B)			
5.				Percent of Dominant Species			
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)			
7				Prevalence Index worksheet:			
	-	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:15')				OBL species90 x 1 =90			
1. Ulmus americana	5	Yes	FACW	FACW species 5 x 2 = 10			
2.				FAC species10 x 3 =30			
3.				FACU species1 x 4 =4			
4.				UPL species4 x 5 =20			
5.				Column Totals: 110 (A) 154 (B)			
6.				Prevalence Index = B/A = 1.40			
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. Carex vulpinoidea	55	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹			
2. Lythrum salicaria	35	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting			
3. Cirsium arvense	1	No	FACU	data in Remarks or on a separate sheet)			
4. Solidago rugosa	8	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Galium boreale	2	No	FAC				
6. Artemisia vulgaris	2	No	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7. Daucus carota	2	No	UPL	Definitions of Vegetation Strata:			
8.	-			Tree – Woody plants 3 in. (7.6 cm) or more in			
9.				diameter at breast height (DBH), regardless of height.			
10				Sapling/shrub – Woody plants less than 3 in. DBH			
11				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 sepa	rate sheet.)						

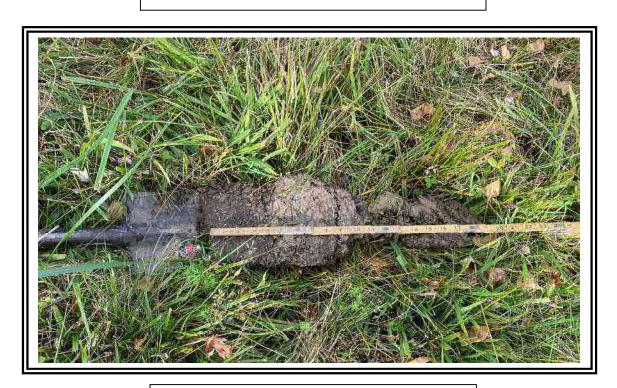
Sampling Point: CKK-4A Wet

SOIL Sampling Point CKK-4A Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth	Matrix			Featur	es				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks	
0-10	10YR 3/2	92	7.5YR 4/4	8	C	M	Loamy/Clayey	Distinct redox concentrations	
10-19	10YR 5/2	75	10YR 4/6		<u> </u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations	
			10YR 2/1	5	C	M		Distinct redox concentrations	
-									
	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, M	S=Mas	ked Sand	d Grains.		=Pore Lining, M=Matrix.	
Hydric Soil								r Problematic Hydric Soils ³ :	
— Histosol			Polyvalue Belov		ce (S8) (I	LRR R,		ck (A10) (LRR K, L, MLRA 149B)	
	pipedon (A2)		MLRA 149B)		\	MIDA		Airie Redox (A16) (LRR K, L, R)	
	istic (A3) en Sulfide (A4)		Thin Dark Surfa High Chroma S					cky Peat or Peat (S3) (LRR K, L, R) Below Surface (S8) (LRR K, L)	
	d Layers (A5)		Loamy Mucky N					Surface (S9) (LRR K, L)	
	d Below Dark Surface	(A11)	Loamy Gleyed I			,,		ganese Masses (F12) (LRR K, L, R)	
	ark Surface (A12)	,	X Depleted Matrix (F3)				Piedmont Floodplain Soils (F19) (MLRA 149B)		
	/lucky Mineral (S1)		X Redox Dark Surface (F6)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
Sandy C	Gleyed Matrix (S4)		Depleted Dark Surface (F7)				Red Parent Material (F21)		
Sandy F	Redox (S5)		? Redox Depressions (F8)				Very Shallow Dark Surface (F22)		
	l Matrix (S6)		Marl (F10) (LRF	R K, L)			Other (Ex	plain in Remarks)	
— Dark Su	ırface (S7)								
³ Indicators o	of hydrophytic vegetati	ion and v	vetland hydrology mu	st be pr	esent, ur	nless dist	urbed or problematic.		
Restrictive	Layer (if observed):								
Type:	non	е							
Depth (i	nches):						Hydric Soil Present	t? Yes X No	
Remarks:									
This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)									
version 7.0,	2015 Effata. (fittp://w	/ww.nrcs	usua.gov/mlemei/F5	E_DO(JUIVIEINI	5/IIICS 14.	2p2_051293.docx)		



Wetland CKK-4A- View facing northeast



Wetland CKK-4A- Soils

Phase 1

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/14/21
Applicant/Owner: TDI	State: NY Sampling Point: CKK-4A Upl
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
- · · · · · · · · · · · · · · · · · · ·	ocal relief (concave, convex, none): none Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 43-39-46.31N	Long: 73-25-23.52W Datum:
Soil Map Unit Name: Vergennes silty clay	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of yea	ar? Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly dis	
Are Vegetation , Soil , or Hydrology naturally proble	ematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing s	ampling 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:
Mowed roadside- data point for upland CKK-1A and CKK-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)
Surface Water (A1) Water-Stained Leave	
High Water Table (A2) Aquatic Fauna (B13)	·
Saturation (A3)Marl Deposits (B15)	
Water Marks (B1) Hydrogen Sulfide Od	
	res on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	<u> </u>
	on in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (Control of the Control of t	<u> </u>
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rei Sparsely Vegetated Concave Surface (B8)	marks) Microtopographic Relief (D4) FAC-Neutral Test (D5)
	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No x Depth (inch	
Water Table Present? Yes No x Depth (inch	
Saturation Present? Yes No x Depth (inch	nes): Wetland Hydrology Present? Yes No _X
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections) if available:
Describe Necorded Data (stream gauge, monitoring well, aerial priotos,	, previous inspections), ii avaliable.
Remarks:	

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
. <u></u>				Number of Dominant Species
				That Are OBL, FACW, or FAC:0 (A)
3				Total Number of Dominant
l				Species Across All Strata:1 (B)
j				Percent of Dominant Species
S				That Are OBL, FACW, or FAC:(A/B)
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 = 0
. <u> </u>				FACW species 0 x 2 = 0
1.				FAC species 17 x 3 = 51
3.				FACU species 110 x 4 = 440
				UPL species 17 x 5 = 85
5.				Column Totals: 144 (A) 576 (B
5.				Prevalence Index = B/A = 4.00
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
/ Pastinaca sativa	10	No	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Setaria pumila	7	No	FAC	4 - Morphological Adaptations ¹ (Provide supportin
3. Galium boreale	10	No	FAC	data in Remarks or on a separate sheet)
. Daucus carota	5	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Securigera varia	2	No	UPL	<u> </u>
6. Lotus corniculatus	10	No	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
. Poa pratensis	100	Yes	FACU	Definitions of Vegetation Strata:
).				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
0.				
1				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2	144	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
		rotal covol		
Noody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in height.
Voody Vine Stratum (Plot size: 30')				neight.
2.				Hydrophytic
3.				Vegetation
2.		=Total Cover		

SOIL Sampling Point CKK-4A Upl

(inches)	Matrix		Redo	x Featur	es			
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/2	100					Loamy/Clayey	with gravel
								
1						 ·	2 –	
	oncentration, D=Deple	etion, RM	I=Reduced Matrix, M	/IS=Mas	ked Sand	d Grains.		L=Pore Lining, M=Matrix.
Hydric Soil I			Dalamaka Dala		(CO) (or Problematic Hydric Soils ³ :
— Histosol ((AT) ipedon (A2)		Polyvalue Belo MLRA 149B		ce (58) (I	LKK K,		reirio Rodov (A16) (LRR K. L. R.)
Black His			Thin Dark Surfa	•	(I PP P	MI DA 1		rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			e Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I					rk Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			(i i i i i i i i i i i i i i i i i i i		nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	(/ () /)	Depleted Matrix)			nt Floodplain Soils (F19) (MLRA 149B
	ucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		— Depleted Dark		-			ent Material (F21)
			Redox Depress					allow Dark Surface (F22)
	edox (S5)				,			xplain in Remarks)
Sandy Re	edox (S5) Matrix (S6)		Marl (F10) (LR					
Sandy Re			Marl (F10) (LR	. ,				
Sandy Re	Matrix (S6)		Marl (F10) (LR	,				
Sandy Ro	Matrix (S6)	on and w			esent, ur	nless dist	urbed or problematic.	
Sandy Ro Stripped Dark Sur 3Indicators of	Matrix (S6) face (S7)	on and w			esent, ur	nless dist	urbed or problematic.	
Sandy Ro Stripped Dark Sur 3Indicators of	Matrix (S6) face (S7) hydrophytic vegetation				esent, ur	nless distr	urbed or problematic.	
Sandy Ro Stripped Dark Sur ³ Indicators of Restrictive L	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock				esent, ur	nless disti	urbed or problematic. Hydric Soil Preser	nt? Yes No X
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock				resent, ur	nless dist	·	nt? Yes No_X_
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks:	Matrix (S6) face (S7) hydrophytic vegetatic ayer (if observed): rock aches):	8	vetland hydrology mu	ust be pr			Hydric Soil Preser	nt? Yes No X CS Field Indicators of Hydric Soils,
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetatic ayer (if observed): rock aches):	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock nches): m is revised from Nor	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock nches): m is revised from Nor	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock nches): m is revised from Nor	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock nches): m is revised from Nor	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock nches): m is revised from Nor	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock nches): m is revised from Nor	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock nches): m is revised from Nor	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock nches): m is revised from Nor	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock nches): m is revised from Nor	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock nches): m is revised from Nor	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	
Sandy Ro Stripped Dark Sur Indicators of Restrictive L Type: Depth (in Remarks: This data forr	Matrix (S6) face (S7) hydrophytic vegetation ayer (if observed): rock nches): m is revised from Nor	8 thcentral	vetland hydrology mu	ust be pr	pplemen	t Version	Hydric Soil Preser	



Upland CKK-4A- View facing southwest



Upland CKK-4A- Soils

Phase 1

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/14/21
Applicant/Owner: TDI	State: NY Sampling Point: CLL-3A 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: 43-39-40.48N	Long: 73-25-45.04W 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 Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes 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.) Linear vegetated ditch.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	· ·
High Water Table (A2) Aquatic Fauna (B13) Mad Barasita (B45)	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	· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Drift Deposits (B3) Oxidized Rhizospheres of Presence of Reduced In	
Algal Mat or Crust (B4) 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):	r
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:	
Adjacent to stream CS21.	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.	70 00101	<u> </u>		
2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.		<u> </u>		Total Number of Dominant Species Across All Strata: 2 (B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species70 x 1 =70
1.				FACW species0 x 2 =0
2.				FAC species30 x 3 =90
3.				FACU species 5 x 4 = 20
4.				UPL species 2 x 5 = 10
5.				Column Totals: 107 (A) 190 (B)
6.				Prevalence Index = B/A = 1.78
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	20	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Typha angustifolia	50	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Euthamia graminifolia	10	No	FAC	data in Remarks or on a separate sheet)
4. Equisetum arvense	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Daucus carota	2	No	UPL	¹ Indicators of hydric soil and wetland hydrology must
6. Plantago lanceolata	5	No	FACU	be present, unless disturbed or problematic.
7. Galium boreale	10	No	FAC	Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	107	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		-		Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic Vegetation
4.		· ·		Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)	_		
	,			

Sampling Point: CLL-3A Wet

SOIL Sampling Point CLL-3A Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix			Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 2/2	85	7.5YR 4/4	15	C	M	Loamy/Clayey	Distinct redox concentrations
8-20	2.5Y 4/1	70	10YR 4/6	25	<u> </u>	M	Loamy/Clayey	Prominent redox concentrations
			10YR 3/3	5	<u>C</u>	M		Distinct redox concentrations
	· 							soils with gravel
								_
1Type: C=C	oncentration, D=Depl	etion PA	——————————————————————————————————————	 S-Mac	—— ked Sand		² Location: PI	 _=Pore Lining, M=Matrix.
Hydric Soil		etion, rai	i-iteduced Matrix, M	O-IVIAS	Keu Sanc	Oranis.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belov	v Surfa	ce (S8) (I	RRR		ck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)		00 (00) (1			airie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surfa		(LRR R	MLRA 1		cky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S				· —	e Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky N					k Surface (S9) (LRR K, L)
	d Below Dark Surface	(Δ11)	Loamy Gleyed			(i (, L)		ganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	<i>(</i> A11)	X Depleted Matrix		1 2)			t Floodplain Soils (F19) (MLRA 149B)
	Mucky Mineral (S1)		X Redox Dark Su		6)			odic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark		-			ent Material (F21)
	Redox (S5)		? Redox Depress					illow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LRF	•	0)			kplain in Remarks)
	rface (S7)		Wall (1 10) (LIVI	、 Ⅳ , ∟)			Other (E/	cpiairi ir Remarks)
	of hydrophytic vegetat Layer (if observed):	ion and v	etland hydrology mu	st be pr	esent, ur	nless dist	urbed or problematic.	
Type:	non	е						
Depth (i							Hydric Soil Presen	t? Yes <u>X</u> No
Remarks:								
This data for								S Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs	usda.gov/Internet/FS	E_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	



Wetland CLL-3A- View facing northeast



Wetland CLL-3A- Soils

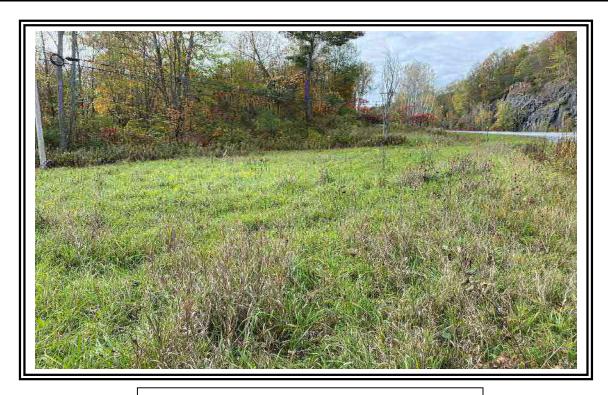
Phase 1

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/14/21
Applicant/Owner: TDI	State: NY Sampling Point: CLL-3A Upl
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
- · · · · - · · · · · · · · · · · · · ·	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-39-40.48N	Long: 73-25-45.04W 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 Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Successional 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 (
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 Deposits (R2)	
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction in Thin Music Surface (C7)	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Other (Explain in Remark)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar Sparsely Vegetated Concave Surface (B8)	rks) Microtopographic Relief (D4) FAC-Neutral Test (D5)
	rac-neutral rest (D3)
Field Observations:	
Surface Water Present? Yes No x Depth (inches)	
Water Table Present? Yes No x Depth (inches) Saturation Present? Yes No x Depth (inches)	
Saturation Present? Yes No _x Depth (inches) (includes capillary fringe)	: Wetland Hydrology Present? Yes No _X
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections) if available:
besome recorded bata (stream gauge, monitoring well, acrial photos, pre	svious inspections), it available.
Remarks:	

	Absolute	Dominant	Indicator	
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
				Number of Dominant Species
				That Are OBL, FACW, or FAC:1 (A)
				Total Number of Dominant
				Species Across All Strata: 4 (B)
				,
				Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B
<u> </u>				That Are OBL, FACW, or FAC: 25.0% (A/B Prevalence Index worksheet:
·				
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')				OBL species0 x 1 =0
Populus tremuloides	5	Yes	FACU	FACW species 0 x 2 = 0
				FAC species30 x 3 =90
. <u></u>				FACU species80 x 4 =320
				UPL species 0 x 5 = 0
				Column Totals: 110 (A) 410 (B
				Prevalence Index = B/A = 3.73
				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
1.00 (0.10)		- Total Cover		-
erb Stratum (Plot size:5')				2 - Dominance Test is >50%
Schedonorus pratensis	40	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Galium boreale	30	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
Fragaria virginiana	5	No	FACU	data in Remarks or on a separate sheet)
Poa pratensis	30	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
	_			be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
				diameter at breast height (DDF7), regardless of height
).				Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardles
	105	=Total Cover		of size, and woody plants less than 3.28 ft tall.
/oody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft i
				height.
				Hydrophytic
				Vegetation Yes No _ X
·		=Total Cover		

SOIL Sampling Point CLL-3A Upl

		to the de				ator or co	onfirm the absence of in	ndicators.)
Depth	Matrix	0/		K Featur		1 2	Tarduna	Damanka
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/3	100					Loamy/Clayey	
5-21	10YR 4/3	70	10YR 3/6	30	C	M	Loamy/Clayey	Distinct redox concentrations
¹ Type: C=Co	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil	Indicators:							Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast Prai	rie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9	(LRR R	, MLRA 1	49B) 5 cm Muck	y Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	311) (LRI	R K, L)	Polyvalue l	Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky I	Mineral	(F1) (LR	R K, L)	Thin Dark	Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Manga	anese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matrix	x (F3)			Piedmont F	Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spo	dic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					t Material (F21)
	ledox (S5)		Redox Depress	•	8)			ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K , L)			Other (Exp	lain in Remarks)
— Dark Su	rface (S7)							
31	E la					-11:-4		
	Layer (if observed):	ion and w	retiand hydrology mic	ist be pi	esent, u	iless dist	urbed or problematic.	
Type:	non-	0						
• • •		<u> </u>						
Depth (ii	nches):						Hydric Soil Present?	? Yes <u>No X</u>
Remarks:								
			-					Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	/ww.nrcs.	usda.gov/internet/F8	SE_DOC	JUMENT	S/nrcs14	2p2_051293.docx)	



Upland CLL-3A- View facing southwest



Upland CLL-3A- Soils

Phase 1

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/14/21
Applicant/Owner: TDI	State: NY Sampling Point: CMM-2 Wet
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
Landform (hillside, terrace, etc.): hillslope Local	relief (concave, convex, none): none Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-39-34.47N	Long: 73-25-52.71W Datum:
Soil Map Unit Name: Charlton fine sandy loam	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
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 (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of Peduced In	
Drift Deposits (B3) Presence of Reduced In Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	· / — · · /
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	_
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes x No Depth (inches):	: 0.25
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:	
Seep present and adjacent to stream CS22.	

<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. 4.				Total Number of Dominant Species Across All Strata:(B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Cornus amomum	10	Yes	FACW	FACW species 95 x 2 = 190
2.				FAC species 0 x 3 = 0
3.				FACU species 5 x 4 = 20
4.				UPL species0 x 5 =0
5				Column Totals: 100 (A) 210 (B)
6.				Prevalence Index = B/A =2.10
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	85	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Solidago canadensis	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Sphagnum moss sp.	5	No		data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Hart All barbaras (a an area to alambaras area all a
	95	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				Hydrophytic
3.				Vegetation
4.		T-1-1-0		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Sampling Point: CMM-2 Wet

SOIL Sampling Point CMM-2 Wet

7.5YR 5/6 20 C M Prominent redox concentrations	Profile Description: (Describe to the depth needed to document the indicator or confirm							onfirm the absence o	of indicators.)	
107R 5/1	Depth	Matrix			x Featur					
S-13	(inches)	Color (moist)	<u>%</u>	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Cotation: PL=Pore Lining, M=Matrix.	0-5	10YR 3/1	100					Muck		
13-20	5-13	10YR 5/2	93	10YR 6/4	5	<u>C</u>	M	Loamy/Clayey	Distinct redox concentrations	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Location: PL=Pore Lining, M=Matrix.	-			7.5YR 4/4	2	C	M		Distinct redox concentrations	
20-24 10YR 5/3 70 7.5YR 5/6 15 C M Sandy Prominent redox concentrations 10YR 4/1 10 D M N 2.5/ 5 D M 1Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1Indicators for Problematic Hydric Soils*: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B)) Histic Epipedon (A2) MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, F, 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) Thick Dark Surface (A12) X Depleted Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, L) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144, 145, 149 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Mari (F10) (LRR K, L) Other (Explain in Remarks) Type: none Depth (inches): Hydric Soil Present? Yes X No Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, S1, S1, S1, S1, S1, S1, S1, S1, S1, S1	13-20	10YR 5/1	50	10YR 5/6	30	<u> </u>	M	Loamy/Clayey	Prominent redox concentrations	
10YR 4/1 10 D M N 2.5/ 5 D M N 3.5/ 5 D M N 4.5/ 5 D M N 5.5/ 5 D M N 6.5/ 5 D M				7.5YR 5/6		<u> </u>	M		Prominent redox concentrations	
N 2.5/	20-24	10YR 5/3	70	7.5YR 5/6	15	<u> </u>	M	Sandy	Prominent redox concentrations	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: Histosol (A1)				10YR 4/1	10	<u>D</u>	M			
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) Histosol (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) Thick Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Sandy Mucky Mineral (S1) 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) Plant (Soil Present? Yes X No Restrictive Layer (if observed): Type:				N 2.5/	5	<u>D</u>	M			
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Histosol (A1)			ietion, rtivi	-iteduced Matrix, iv	io-ivias	Keu Sanc	Olailis.		-	
Histic Epipedon (A2) MLRA 149B) Plack Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A11) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Redox (S5) Redox Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Dark Surface (S7) Pledmont Floodplain Soils (F19) (MLRA 144A, 145, 149) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 144A, 145, 149) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 144A, 145, 149) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 144A, 145, 149) Redox Depressions (F8) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Pledmont Floodplain Soils (F19) (MLRA 144A, 145, 149) Restrictive Layer (if observed): Type: none Depth (inches): Hydric Soil Present? Yes X No Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	_			Polyvalue Belo	w Surfa	ce (S8) (I	RRR		_	
Black Histic (A3)		` '				. (00)				
Hydrogen Sulfide (A4) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) In Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) In Dark Surface (A12) Sendy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Red Parent Material (F21) Red Parent Material (F21) Redox Depressions (F8) Very Shallow Dark Surface (F22) Other (Explain in Remarks) Type: No Dark Surface (S7) And (F10) (LRR K, L) Hydric Soil Present? Yes X No Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,					,	(I RR R	MI RA			
Stratified Layers (A5)		` '				-				
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Stripped Matrix (S6)		• , ,								
Dark Surface (S7) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: none Depth (inches): Hydric Soil Present? Yes X No Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,					`	3)		 · · · · ·		
3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: none Depth (inches): Hydric Soil Present? Yes X No Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,				Mari (F10) (LR	RK, L)			Other (Explain in Remarks)		
Restrictive Layer (if observed): Type: none Depth (inches): Hydric Soil Present? Yes _X No Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	Dark Su	irrace (S7)								
Restrictive Layer (if observed): Type: none Depth (inches): Hydric Soil Present? Yes _X No Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	³ Indicators o	of hydrophytic vegetat	tion and w	etland hydrology mu	ıst be pr	esent, ur	nless dist	turbed or problematic.		
Depth (inches): Hydric Soil Present? Yes X No Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,										
Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	Type:	non	ne							
This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	Depth (i	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No	
	This data for								CS Field Indicators of Hydric Soils,	



Wetland CMM-2- View facing north



Wetland CMM-2- Soils

Phase 1

Project/Site: CHPE	City/County: Dresden/Washington Sampling Date: 10/14/21
Applicant/Owner: TDI	State: NY Sampling Point: CMM-2 Upl
Investigator(s): N. Frazer, S. Berryman	Section, Township, Range:
• .,	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-39-34.47N	Long: 73-25-52.71W Datum:
Soil Map Unit Name: Charlton fine sandy loam	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 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 No X	Is the Sampled Area
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No X 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.)	ii yoo, optional vvotana otto ib.
Coniferous forested upland.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (E	B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of	——————————————————————————————————————
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	. , , ,
Iron Deposits (B5) Thin Muck Surface (C7) Other (Explain in Bornel	
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):	
Water Table Present? Yes No _x Depth (inches): Saturation Present? Yes No x Depth (inches):	
(includes capillary fringe)	: Wetland Hydrology Present? Yes No _X
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
	, ,,
Remarks:	

Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
60	Yes	FACU	Newshar of Developed On sales
25	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
10	No	FACU	Tatal Nambar of Davis and
			Total Number of Dominant Species Across All Strata: 3 (B)
			Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
			Prevalence Index worksheet:
95	=Total Cover		Total % Cover of: Multiply by:
)			OBL species 0 x 1 = 0
, 10	Yes	FACU	FACW species 0 x 2 = 0
			FAC species 0 x3 = 0
· <u> </u>		17100	FACU species 109 x 4 = 436
			UPL species 0 x 5 = 0
			<u> </u>
			Prevalence Index = B/A = 4.00
	T-1-1 0		Hydrophytic Vegetation Indicators:
12	= i otal Cover		1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
2	<u>No</u>	FACU	3 - Prevalence Index is ≤3.0¹
			4 - Morphological Adaptations ¹ (Provide supportin data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation ¹ (Explain)
			¹ Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Vegetation Strata:
			Tree – Woody plants 3 in. (7.6 cm) or more in
			diameter at breast height (DBH), regardless of height.
			Sapling/shrub – Woody plants less than 3 in. DBH
			and greater than or equal to 3.28 ft (1 m) tall.
			Herb – All herbaceous (non-woody) plants, regardless
2	=Total Cover		of size, and woody plants less than 3.28 ft tall.
)			Woody vines – All woody vines greater than 3.28 ft in
			height.
			Hydrophytic
			I Vegetation
			Vegetation Present? Yes No _X
	95 10 2 12 2	10 No 95 =Total Cover 10 Yes 2 No 12 =Total Cover	10 No FACU 95 =Total Cover 10 Yes FACU 2 No FACU 12 =Total Cover 2 No FACU

SOIL Sampling Point CMM-2 Upl

Color (moist)	Depth	Matrix		Redox	x Featur				
1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1 Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) Plack Histic Epipedon (A2) Plack Histic (A3) Pinio Dark Surface (S9) (LRR R, MLRA 149B) Straftled Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Redox (S8) Marl (F10) (LRR K, L) Depleted Dark Surface (A12) Depleted Dark Surface (F5) Sandy Redox (S5) Redox Depressions (F8) Sandy Redox (S5) Redox Depressions (F8) Sandy Redox (S5) Marl (F10) (LRR K, L) Dark Surface (S7) Piction-Margase Masses (F12) Wery Shallow Dark Surface (F22) Stripped Matrix (S6) Dark Surface (S7) Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: Hydric Soil Present? Yes No X Remarks:	(inches)	Color (moist)	<u>%</u>	Color (moist)	%_	Type ¹	Loc ²	Texture Remarks	
*Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *PL=Pore Lining, M=Matrix. *Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Indicators for Problematic Hydric Soils*: 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A11) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox Osar Surface (F6) Sandy Redox Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Sandy Redox (S5) Redox Depressions (F8) Dark Surface (S7) All MIRA 144A, 145, 149B Mesic Spodic (TA6) (MLRA 144A, 145, 149B Mesic Spodic (TA6) (M	0-5	10YR 4/3	100					Loamy/Clayey	
*Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Sandy Mucky Mineral (F1) Sandy Mucky Mineral (F1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Redox (S5) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Ark Surface (S7) Ark Surface (S8) (LRR K, L) Depleted Dark Surface (S9) Ark Surface (S7) Ark Surface (S8) Ark Surface (S8) (LRR K, L) Depleted Dark Surface (F7) Ark Surface (S7) Ark Surface (S7) Ark Surface (S9) Ark	5-19	10YR 5/6	100					Sandy	
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Stripped Matrix (S6)									
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Type: none			on and w	etland hydrology mu	ıst be pr	esent, ur	nless dist	turbed or problematic.	
Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,			Э						
This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	Depth (ir	nches):						Hydric Soil Present? Yes No	_ X
	Remarks:								
Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)									Soils,
	Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	3E_DOC	CUMENT	S/nrcs14	12p2_051293.docx)	



Upland CMM-2- View facing east



Upland CMM-2- Soils

Phase 1

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21						
Applicant/Owner: TDI	State: NY Sampling Point: WET CNN-1						
Investigator(s): C. Scrivner	Section, Township, Range:						
·	relief (concave, convex, none): Concave Slope %: 2						
Subregion (LRR or MLRA): LRR R Lat: 43-39-32.18N	Long: 73-25-53.62W Datum: WGS 84						
Soil Map Unit Name: CHC - Charlton fine sandy loam, 3 to 8 percent slopes							
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 problemate							
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 CNN-1						
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Emergent Marsh. Edinger classification: Shallow Emergent Marsh	h with scattered shrubs.						
HYDROLOGY	<u> </u>						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) X_Water-Stained Leaves (B	39) X Drainage Patterns (B10)						
High Water Table (A2) Aquatic Fauna (B13)	Aquatic Fauna (B13) Moss Trim Lines (B16)						
X Saturation (A3) — Marl Deposits (B15)	Marl Deposits (B15) Dry-Season Water Table (C2)						
Water Marks (B1) Hydrogen Sulfide Odor (C							
X Sediment Deposits (B2) Oxidized Rhizospheres o							
Drift Deposits (B3) Presence of Reduced Iro							
Algal Mat or Crust (B4) Recent Iron Reduction in	Tilled Soils (C6) X Geomorphic Position (D2)						
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	ks) Microtopographic Relief (D4)						
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No _X Depth (inches):							
Water Table Present? Yes No X Depth (inches):							
Saturation Present? Yes X No Depth (inches):	0 Wetland Hydrology Present? Yes X No						
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:						
Remarks:							

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Populus deltoides	10	Yes	FAC			
2. Rhus typhina	3	Yes	UPL	Number of Dominant Species That Are OBL, FACW, or FAC:6(A)		
3				Total Number of Dominant		
4				Species Across All Strata: 9 (B)		
5				Percent of Dominant Species		
6.				That Are OBL, FACW, or FAC: 66.7% (A/B)		
7.				Prevalence Index worksheet:		
	13	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:15')				OBL species 2 x 1 = 2		
Populus deltoides	10	Yes	FAC	FACW species 65 x 2 = 130		
2. Lonicera morrowii	5	Yes	FACU	FAC species 33 x 3 = 99		
3. Alnus incana	5	Yes	FACW	FACU species 28 x 4 = 112		
4. Viburnum dentatum	5	Yes	FAC	UPL species16 x 5 =80		
5. Fraxinus americana	3	No	FACU	Column Totals: 144 (A) 423 (B)		
6. Rhus typhina	3	No	UPL	Prevalence Index = B/A = 2.94		
7.				Hydrophytic Vegetation Indicators:		
	31	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%		
1. Solidago gigantea	25	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹		
2. Onoclea sensibilis	20	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting		
3. Solidago canadensis	15	Yes	FACU	data in Remarks or on a separate sheet)		
Equisetum arvense	8	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)		
5. Impatiens capensis	8	No	FACW	¹ Indicators of hydric soil and wetland hydrology must be		
6. Athyrium filix-femina	8	No	UPL	present, unless disturbed or problematic.		
7. Fraxinus americana	5	No	FACU	Definitions of Vegetation Strata:		
8. Bidens frondosa	5	No	FACW	Tree – Woody plants 3 in. (7.6 cm) or more in diameter		
9. Lythrum salicaria	2	No	OBL	at breast height (DBH), regardless of height.		
10. Anemone cylindrica	2	No	UPL	Sapling/shrub – Woody plants less than 3 in. DBH		
11. Phalaris arundinacea	2	No	FACW	and greater than or equal to 3.28 ft (1 m) tall.		
12.				Herb – All herbaceous (non-woody) plants, regardless		
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size: 30')		•		Woody vines – All woody vines greater than 3.28 ft in		
1.				height.		
2.						
3.				Hydrophytic Vegetation		
4.				Present? Yes X No		
		=Total Cover				
Remarks: (Include photo numbers here or on a separ	ate sheet.)	•				
(1111) 1111 1111 1111 1111 1111 1111	,					

Sampling Point: WET CNN-1

SOIL Sampling Point: WET CNN-1

Profile Desc	ription: (Describe t	o the de	oth needed to docur	ment th	e indicat	tor or co	onfirm the absence of	indicators.)
Depth	Matrix			k Featur		2		
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 2/2	98	10YR 3/4	2	<u>C</u>	M	Sandy	Distinct redox concentrations
8-13	10YR 3/1	98	10YR 4/6	2	С	PL	Sandy	Prominent redox concentrations
13-16	5Y 2.5/1	65	10YR 5/4	20	<u>C</u>	M	Mucky Loam/Clay	Prominent redox concentrations
			10YR 2/1	5	С	M		Faint redox concentrations
			10YR 4/6	10	С	М		Prominent redox concentrations
1Type: C=C	oncentration, D=Deple	ation PM	-Peduced Matrix MS	S-Mack	ed Sand	Grains	² l ocation: Pl	L=Pore Lining, M=Matrix.
Hydric Soil I		SHOII, IXIVI	=reduced Matrix, Mc	J-IVIASK	eu Sanu	Grains.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belov	w Surfac	ce (S8) (L	RR R,		ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)					airie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA	149B)5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Pol							e Below Surface (S8) (LRR K, L)	
	Layers (A5)		Loamy Mucky N			R K, L)		k Surface (S9) (LRR K, L)
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2)						Iron-Manganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)		Depleted Matrix		C \			at Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su					podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21)
X Sandy R	leyed Matrix (S4)		Depleted Dark S Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LRF))			xplain in Remarks)
	rface (S7)			, ,				,
_	,							
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.								
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Presen	t? Yes X No
Remarks:								



Wetland CNN-1 View facing southeast



Wetland CNN-1 Soils

Phase 1

Project/Site: CHPE	City/County: Dresden / Washington Sampling Date: 10/15/21						
Applicant/Owner: TDI	State: NY Sampling Point: WET COO-1						
Investigator(s): C. Scrivner	Section, Township, Range:						
	relief (concave, convex, none): Concave Slope %: 2						
Subregion (LRR or MLRA): LRR R Lat: 43-39-30.84N	Long: 73-25-54.70W Datum: WGS 84						
Soil Map Unit Name: CHC - Charlton fine sandy loam, 3 to 8 percent slope:							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb							
Are Vegetation, Soil, or Hydrology naturally problema							
SUMMARY OF FINDINGS – Attach site map showing same	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 COO-1						
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Emergent Marsh-Cattail Marsh. Edinger classification: Shallow E	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 (E	<u> </u>						
X High Water Table (A2) Aquatic Fauna (B13)	Aquatic Fauna (B13) Moss Trim Lines (B16)						
X Saturation (A3) Marl Deposits (B15)	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) Recent Iron Reduction in	· · · · · · · · · · · · · · · · · · ·						
Iron Deposits (B5) — Thin Muck Surface (C7)							
X Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarl							
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes X No Depth (inches):	0.5						
Water Table Present? Yes X No Depth (inches):							
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:							

1. Tsuga canadensis 2 No FACU Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) 3. 4	<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
2. That Are OBL_FACW, or FAC: 1 (A) 3. Total Number of Dominant Species Across All Stratus: 4 (B) 5. Percent of Dominant Species Across All Stratus: 4 (B) 7. Prevalence Index worksheet: Total & Cover of		2	No	FACU	Number of Deminant Species
1	2.				•
Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (V/B)					
Total % Cover of:					·
Sapiling/Shrub Stratum (Plot size: 15') 3	7				Prevalence Index worksheet:
1. Lonicera morrowii 3 Yes FACU FACW species 16 x 2 = 32 2. Fraxinus americana 3 Yes FACU FAC species 2 x 3 = 6 3.		2	=Total Cover		Total % Cover of: Multiply by:
2. Fraxinus americana 3. Yes FACU FAC species 2 x 3 = 6 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 Column Totals: 116 (A) 175 (B) Frevalence Index = B/A = 1.51 FACU species 0 x 5 = 0 FAC	Sapling/Shrub Stratum (Plot size:15')				OBL species 85 x 1 = 85
FACU species 13	1. Lonicera morrowii	3	Yes	FACU	FACW species 16 x 2 = 32
4.	2. Fraxinus americana	3	Yes	FACU	FAC species 2 x 3 = 6
5. Column Totals: 116 (A) 175 (B) 6. Prevalence Index = B(A = 1.51 7. Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation Indicators: 2 - Dominance Test is >50% 1. Typha latifolia 75 Yes OBL 2. Lythrum salicaria 10 No Osclea sensibilis 8 No FACW 4. Phalaris arundinacea 5 No FACW 5. Eupatorium perfoliatum 3 No FACW 6. Equisetum arvense 2 No FAC 7. Problematic Hydrophytic Vegetation 1 (Explain) 6. Equisetum arvense 2 No FAC 7. Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. 10. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tail. 11. Parthenocissus quinquefolia 2. 2. Yes FACU 7 Yes X No	3.				FACU species13 x 4 =52
6.	4.				UPL species 0 x 5 = 0
The first tatum First tat	5.				Column Totals: 116 (A) 175 (B)
Herb Stratum (Plot size: 5')	6.				Prevalence Index = B/A = 1.51
Section Plot size: 5' 1. Typha latifolia 75	7				Hydrophytic Vegetation Indicators:
1. Typha latifolia 2. Lythrum salicaria 3. Onoclea sensibilis 4. Phalaris arundinacea 5. No FACW 5. Eupatorium perfoliatum 6. Equisetum arvense 7. Definitions of Vegetation Stratus 7. Definitions of Vegetation Stratus 7. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 7. Sapling/shrub – Woody plants less than 3.28 ft in height. 8. Woody Vine Stratum 8. Parthenocissus quinquefolia 9. Total Cover 8. Sapling/shrub – Woody vines greater than 3.28 ft in height. 9. Hydrophytic Vegetation 9. Hydrophytic Vegetation Stratus 10. Sapling/shrub – Woody plants less than 3.28 ft in height. 9. Hydrophytic Vegetation 10. Sapling/shrub – Woody vines greater than 3.28 ft in height. 11. Parthenocissus quinquefolia 12. Hydrophytic Vegetation 13. Sapling/shrub – Woody vines greater than 3.28 ft in height. 14. Hydrophytic Vegetation 15. Tree – Woody vines Tall woody vines greater than 3.28 ft in height. 15. Sapling/shrub – Woody vines greater than 3.28 ft in height. 16. Woody Vine Stratum 17. Sapling/shrub – Woody vines greater than 3.28 ft in height. 18. Sapling/shrub – Woody vines greater than 3.28 ft in height. 19. Sapling/shrub – Woody vines greater than 3.28 ft in height. 19. Sapling/shrub – Woody vines greater than 3.28 ft in height. 19. Sapling/shrub – Woody vines greater than 3.28 ft in height. 19. Sapling/shrub – Woody vines greater than 3.28 ft in height. 19. Sapling/shrub – Woody vines greater than 3.28 ft in height. 19. Sapling/shrub – Woody vines greater than 3.28 ft in height.		6	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
2. Lythrum salicaria 3. Onoclea sensibilis 4. Phalaris arundinacea 5. No FACW 5. Eupatorium perfoliatum 6. Equisetum arvense 7. 8. 9. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
3. Onoclea sensibilis 4. Phalaris arundinacea 5 No FACW 4. Phalaris arundinacea 5 No FACW 5. Eupatorium perfoliatum 6. Equisetum arvense 2 No FAC 7. Definitions of Vegetation Strata: 8.	1. Typha latifolia	75	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
4. Phalaris arundinacea 5 No FACW Problematic Hydrophytic Vegetation (Explain) 5. Eupatorium perfoliatum 3 No FACW 6. Equisetum arvense 2 No FAC 7.	2. Lythrum salicaria	10	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
5. Eupatorium perfoliatum 6. Equisetum arvense 7. Definitions of Vegetation Strata: 8. Definitions of Vegetation Strata: 7. Sapling/shrub – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. 10. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 12. Herb – All herbaceous (non-woody) plants, regardless 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. Hydrophytic Vegetation Present? Yes X No Total Cover	3. Onoclea sensibilis	8	No	FACW	data in Remarks or on a separate sheet)
6. Equisetum arvense 2 No FAC Pefinitions of vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30') Parthenocissus quinquefolia Teach or hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft in height. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No	4. Phalaris arundinacea	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
6. Equisetum arvense 2 No FAC present, unless disturbed or problematic. 7. Definitions of Vegetation Strata: 8. Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. 8. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 12. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30') 1. Parthenocissus quinquefolia 5 Yes FACU Woody Vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Yes X No Present? Yes X No	5. Eupatorium perfoliatum	3	No	FACW	1 Indicators of hydric call and wattend hydrology must be
8	6. Equisetum arvense	2	No	FAC	
9	7				Definitions of Vegetation Strata:
Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30') 1. Parthenocissus quinquefolia 5 Yes FACU					Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
12	···				
Moody Vine Stratum (Plot size: 30') Stratum (Plot siz					Harb All barbassus (non woods) plants regardless
1. Parthenocissus quinquefolia 5 Yes FACU Hydrophytic Vegetation Present? Yes X No 5 =Total Cover		103	=Total Cover		
1. Parthenocissus quinquefolia 5 Yes FACU height. 2. Hydrophytic Vegetation Vegetation Present? Yes X No	Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
3.	Parthenocissus quinquefolia	5	Yes	FACU	
4	2.				
5 =Total Cover					
<u>—</u>	4.				Present?
Remarks: (Include photo numbers here or on a separate sheet.)		5	=Total Cover		
	Remarks: (Include photo numbers here or on a separa	ate sheet.)			•

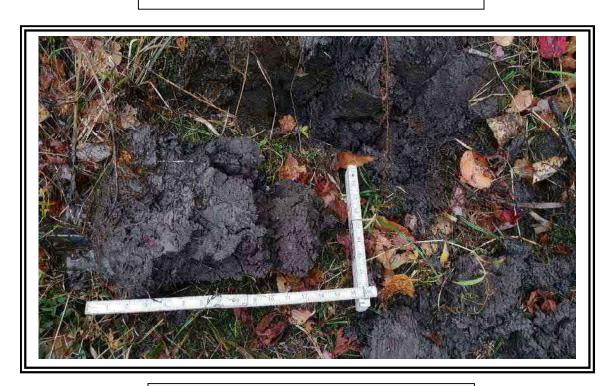
Sampling Point: WET COO-1

SOIL Sampling Point: WET COO-1

		the dep				or or co	onfirm the absence of i	indicators.)
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-2	10YR 2/1	100					Mucky Loam/Clay	
2-16	10YR 2/1	80	5YR 3/4	5	С	М	Sandy	Prominent redox concentrations
			5YR 4/6	5	С	PL		Prominent redox concentrations
			10YR 5/1	10	D	M		
							-	
¹ Type: C=Co	ncentration, D=Deple	ation RM-	-Reduced Matrix M	S-Mack	ed Sand	Grains	² l ocation: Pl	L=Pore Lining, M=Matrix.
Hydric Soil Ir		tion, ixivi-	-reduced Matrix, M	0-IVIASKI	eu Sanu	Grains.		or Problematic Hydric Soils ³ :
Histosol (? Polyvalue Belo	w Surfac	e (S8) (L	.RR R,		ck (A10) (LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)		MLRA 149B)				airie Redox (A16) (LRR K, L, R)
Black His	tic (A3)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1	5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydrogen	Sulfide (A4)		High Chroma S	Sands (S	11) (LRR	k K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky I	Mineral (F1) (LRF	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2)					Iron-Manganese Masses (F12) (LRR K, L, R)			
	k Surface (A12)		Depleted Matrix	, ,				t Floodplain Soils (F19) (MLRA 149B)
Sandy Mucky Mineral (S1) Redox Dark Surface (F6)						Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7)							ent Material (F21)	
X Sandy Re			Redox Depress		3)			allow Dark Surface (F22)
Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7)						Other (Ex	xplain in Remarks)	
Dark Sun	ace (S7)							
³ Indicators of	hydrophytic vegetation	on and we	etland hydrology mus	st be pre	sent, unl	ess distu	irbed or problematic.	
	ayer (if observed):		, 0,		,		,	
Type:								
Depth (in	ches):						Hydric Soil Presen	t? Yes X No
Remarks:								



Wetland COO-1 View facing east/southeast



Wetland COO-1 Soils

Phase 1