

Upland P5-R - View facing south.



Upland P5-R - Soils

Segment 8 – Package 5A

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Phase 5	City/County: <u>Sche</u>	enectady S	Sampling Date: <u>11/15/21</u>
Applicant/Owner: <u>CHA</u>		State: <u>NY</u>	Sampling Point: <u>γ-4</u>
Investigator(s): Nick Dominic, Justn Williams	Section, Township	, Range: <u>Schenectady</u>	
Landform (hillslope, terrace, etc.):	Local relief (concave,	convex, none):	Slope (%):
Subregion (LRR or MLRA): <u>LRR R</u> La	at: <u>42.70692</u>	Long: <u>-73.95944</u>	Datum: NAD83
Soil Map Unit Name:		NWI classificat	tion:_ PFM
Are climatic / hydrologic conditions on the site typical	for this time of year? Yes X	No (If no, explain in Rer	marks.)
Are Vegetation NO , Soil NO , or Hydrology NC	significantly disturbed?	Are "Normal Circumstances" pre	esent? Yes 🗵 No 🔲
Are Vegetation NO , Soil NO , or Hydrology NO		(If needed, explain any answers	
SUMMARY OF FINDINGS – Attach site	map showing sampling poi	nt locations, transects,	important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Wes	No within a W If yes, option	· 🗔	_
Remarks: (Explain alternative procedures here or in Wetland Y	Tu separate reports,		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicato	ors (minimum of two required)
Primary Indicators (minimum of one is required; che	7		` '
Surface Water (A1) High Water Table (A2)	☑ Water-Stained Leaves (B9) ☑ Aquatic Fauna (B13)	☐ Drainage Patte☐ Moss Trim Line	
Saturation (A3)	Marl Deposits (B15)	-	ater Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burro	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living	Roots (C3) 🔲 Saturation Visi	ble on Aerial Imagery (C9)
Drift Deposits (B3)	- · · · · · · · · · · · · · · · · · · ·	-	essed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	-	, ,
☐ Iron Deposits (B5) ☐ Inundation Visible on Aerial Imagery (B7) ☐	Thin Muck Surface (C7) Other (Explain in Remarks)	☐ Shallow Aquita☐ Microtopograp	
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	FAC-Neutral T	
Field Observations:		<u></u>	
Surface Water Present? Yes X No X	Depth (inches): 8		
Water Table Present? Yes X	Depth (inches):6		
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0	Wetland Hydrology Present?	? Yes <u>X</u> No
Describe Recorded Data (stream gauge, monitoring	y well, aerial photos, previous inspec	tions), if available:	
Remarks:			

VEGETATION – Use scientific names of plants.

Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:
That Are OBL, FACW, or FAC:
Total Number of Dominant Species Across All Strata:
Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species FACW species FACU species FACU species Value VPL species Column Totals: Column Totals: Hydrophytic Vegetation Indicators: X 1 - Rapid Test for Hydrophytic Vegetation Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation Problematic Hydrophytic Vegetation¹ (Explain)
That Are OBL, FACW, or FAC:
That Are OBL, FACW, or FAC:
Total % Cover of: Multiply by: OBL species
Total % Cover of: Multiply by: OBL species
OBL species
FACW species x 2 =
FAC species
UPL species x 5 =
UPL species x 5 =
Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation¹ (Explain)
data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
Problematic Hydrophytic Vegetation ¹ (Explain)
= .
be present, unless disturbed or problematic.
Definitions of Vegetation Strata:
Tree – Woody plants 3 in. (7.6 cm) or more in diameter
at breast beight (DBH), regardless of beight
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 vines – All woody vines greater than 3.28 ft in
height.
Hydrophytic
─ Vegetation
Present? Yes 🗵 No
_
_[

SOIL Sampling Point: Y-4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
Depth	Matrix		Redo	x Features	5						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0-10	10YR/2/2	70	7.5yr/4/4	30	<u>C</u> ▼	<u>M</u> ▼	SSiL	Prominent			
10-14	10yr 2/1						Sil				
						-					
						<u>-</u>					
						-					
					-	-					
					-	-					
		letion, RM	=Reduced Matrix, M	S=Masked	Sand Gra	ains.		PL=Pore Lining, M=Matrix.			
Hydric Soil I							_	for Problematic Hydric Soils ³ :			
Histosol	(A1) oipedon (A2)		Polyvalue Below		(S8) (LRF	RR,		uck (A10) (LRR K, L, MLRA 149B)			
Black His			Thin Dark Surfa	,	RR R. MI	RA 149B)	Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)				
	n Sulfide (A4)		Loamy Mucky I				Dark Surface (S7) (LRR K, L, M)				
	Layers (A5)		Loamy Gleyed)			ue Below Surface (S8) (LRR K , L)			
	Below Dark Surface	e (A11)	Depleted Matrix					ark Surface (S9) (LRR K, L)			
_	rk Surface (A12)		Redox Dark Su		7)		Iron-Manganese Masses (F12) (LRR K, L, R)				
	lucky Mineral (S1) leyed Matrix (S4)		Depleted Dark Redox Depress	•	<i>(</i>)		Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
	edox (S5)		Redox Depless	ions (1 0)			Red Parent Material (F21)				
	Matrix (S6)						_	nallow Dark Surface (TF12)			
	face (S7) (LRR R, M	ILRA 149	B)					Explain in Remarks)			
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mus	st be prese	nt, unless	disturbed	or problematic.				
	ayer (if observed):										
Type: <u>rock</u>											
Depth (inc	ches): <u>14</u>						Hydric Soil	Present? Yes 🗵 No 🔲			
Remarks:											



Wetland Y - View facing northwest.

Wetland Y - Soils

Segment 8 – Package 5A

SITE PHOTOGRAPHS



Wetland Y - Soils

Phase 5

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

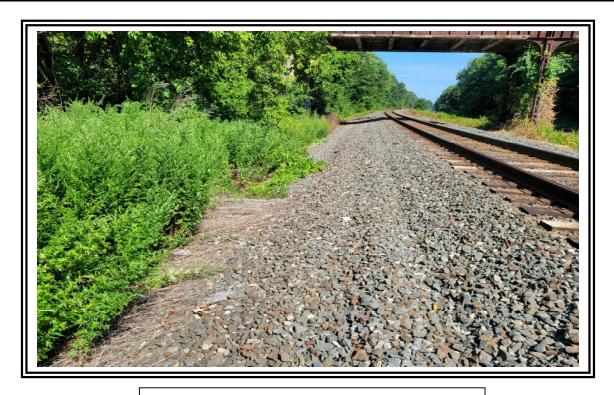
Project/Site: 21268 - CHPE	City/County: Schenectady Sampling Date: 11/15/2021
Applicant/Owner: CHA	State: NY Sampling Point: Y-1 UPL
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.):	relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.70692	Long: -73.95944 Datum:
Soil Map Unit Name:	NWI classification: Upland
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation No , Soil No , or Hydrology No significantly distur	
Are Vegetation No , Soil No , or Hydrology No naturally problems	· — —
SUMMARY OF FINDINGS – Attach site map showing sam	ipling 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.)	
Upland for WL Y	
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 Ir	
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 Remains)	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	TAG Noutial Test (BO)
	·
Water Table Present? Yes No X Depth (inches)	;
Surface Water Present? Yes No X Depth (inches) Water Table Present? Yes No X Depth (inches) Saturation Present? Yes No X Depth (inches)	Wetland Hydrology Present? Yes No X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	
Remarks.	

VEGETATION – Use scientific names of plants. Sampling Point: Y-1 UPL

otal Cover	CU 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) Prevalence Index worksheet: 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 40 x 4 = 160 UPL species 60 x 5 = 300 Column Totals: 120 (A) 520 (B) Prevalence Index = B/A = 4.33
	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) Prevalence Index worksheet: 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 40 x 4 = 160 UPL species 60 x 5 = 300 Column Totals: 120 (A) 520 (B) Prevalence Index = B/A = 4.33
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	UPL species 60 x 5 = 300 Column Totals: 120 (A) 520 (B) Prevalence Index = B/A = 4.33
	Column Totals: 120 (A) 520 (B) Prevalence Index = B/A = 4.33
	Prevalence Index = B/A = 4.33
	Hydrophytic Vegetation Indicators:
otal Cover	1 - Rapid Test for Hydrophytic Vegetation
	2 - Dominance Test is >50%
Yes L	PL 3 - Prevalence Index is ≤3.0 ¹
Yes F	4 - Morphological Adaptations ¹ (Provide supporting
Yes L	PL 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.
	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
otal 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 Vegetation
	Present? Yes No x
otal Cover	
	Yes F/Yes U

SOIL Sampling Point Y-1 UPL

		the de				tor or co	onfirm the absence of indicators.)
Depth	Matrix	0/		r Featur	- 1	12	Technic
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type	Loc ²	Texture Remarks
0-10	10yr 2/2	100					Sandy
10-14	10yr 4/2						Loamy/Clayey
							_
						—	
¹ Type: C=Co	ncentration, D=Deple	tion, RM	=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil I							Indicators for Problematic Hydric Soils ³ :
Histosol (` '		Polyvalue Belo		ce (S8) (I	LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Black His	pedon (A2)		MLRA 149B) Thin Dark Surfa		(I RR R	MIRA 1	Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S				Polyvalue Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I				Thin Dark Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			. ,	Iron-Manganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matrix				Piedmont Floodplain Soils (F19) (MLRA 149B
Sandy M	ucky Mineral (S1)		Redox Dark Su	rface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Gl	eyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)
Sandy Re	edox (S5)		Redox Depress	sions (F	3)		Very Shallow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR l	R K , L)			Other (Explain in Remarks)
Dark Sur	face (S7)						
³ Indicators of	hydronhytic vegetatic	on and w	etland hydrology mu	ist he nr	esent ur	nless dist	turbed or problematic.
	ayer (if observed):	on and w	Guaria fry drology frie	ist be pi	osont, ui	11033 0130	tarbed of problematic.
Type:	rock						
Depth (in	ches):	14					Hydric Soil Present? Yes No _x
	n is revised from Nort 2015 Errata. (http://wv						2.0 to include the NRCS Field Indicators of Hydric Soils, 42p2 051293.docx)
				_			· -



Upland Y - View facing north.

Upland Y - Soils

Segment 8 – Package 5A

SITE PHOTOGRAPHS



Upland Y - Soils

Phase 5

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: Guilder	land/Albany	Sampling Date: 8/25/22			
Applicant/Owner: TDI			State: NY	Sampling Point: Wet Z PEM			
Investigator(s): C. Einstein & J. Greaves		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): Depressio	on Local re	elief (concave, conve	ex. none): Concave	Slope %: 2			
Subregion (LRR or MLRA): LRR R	Lat: 42 42' 17"N		-73 57' 31"W	' Datum: WGS84			
Soil Map Unit Name: SuA - Sudbury fine san			NWI classification:				
Are climatic / hydrologic conditions on the site				explain in Remarks.)			
		Yes X	 `	,			
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	pling 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: Wetland	Z			
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	s (B6)			
Surface Water (A1)	Water-Stained Leaves (B	9)	Drainage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	·			
x Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)					
— Water Marks (B1)	Hydrogen Sulfide Odor (C	· · · · · · · · · · · · · · · · · · ·					
Sediment Deposits (B2)	Oxidized Rhizospheres or						
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)							
Sparsely Vegetated Concave Surface (B	· 	S)	X FAC-Neutral Test (I				
Field Observations:			7 1710 11000.00.1.50.1.				
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:							

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator				
Free Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:			
1. Quercus bicolor	5	Yes	FACW_	Number of Dominant Species			
2. Graxinus pe	2	Yes		That Are OBL, FACW, or FAC: 4 (A)			
3				Total Number of Dominant			
ł				Species Across All Strata: 5 (B)			
5				Percent of Dominant Species			
S				That Are OBL, FACW, or FAC: 80.0% (A/B)			
7				Prevalence Index worksheet:			
	7	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:15')				OBL species 87 x 1 = 87			
Fraxinus pennsylvanica	5	Yes	FACW	FACW species 40 x 2 = 80			
2.				FAC species 0 x 3 = 0			
3				FACU species0 x 4 =0			
4				UPL species0 x 5 =0			
5				Column Totals: 127 (A) 167 (B)			
S				Prevalence Index = B/A =1.31			
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. Leersia oryzoides	60	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹			
2. Phragmites australis	30	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting			
3. Carex lurida	20	No	OBL	data in Remarks or on a separate sheet)			
1. Typha latifolia	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Lythrum salicaria	2	No	OBL	<u> </u>			
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7.				Definitions of Vegetation Strata:			
3.				Tree Moody plants 2 in /76 cm) or more in			
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10.							
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12.							
	117	=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.			
3.				Hydrophytic			
				Vegetation Present? Yes X No			
4		-Total Carra		Present? Yes X No No			
		=Total Cover					

SOIL Sampling Point_ Wet Z PEM

Depth	Matrix	0′		x Featur		1 - 2	T 4	D			
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture	Remarks			
0-3	10YR 3/1	90	10YR 4/6	10	<u> </u>	<u>m</u>	Loamy/Clayey	Prominent redox concentrations			
3-8	5PB 2.5/1	65	2.5Y 4/3	30	C	m	Loamy/Clayey	Prominent redox concentrations			
			10YR 3/3	5	<u> </u>	<u>m</u>		Prominent redox concentrations			
		_		_							
17 0. 0.							21 45	D. Dans Lining M. Matrix			
Hydric Soil	oncentration, D=Deple	etion, Ri	M=Reduced Matrix, I	√IS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :			
Histosol			Dark Surface	(S7)				uck (A10) (LRR K, L, MLRA 149B)			
	oipedon (A2)		Polyvalue Beld		ce (S8) (LRR R,		rairie Redox (A16) (LRR K, L, R)			
Black Hi	stic (A3)		MLRA 149E	3)			5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)			
Hydroge	n Sulfide (A4)		Thin Dark Sur	face (S9) (LRR R	, MLRA 1	149B) Polyvalu	ue Below Surface (S8) (LRR K, L)			
Stratified	l Layers (A5)		High Chroma	Sands (S	611) (LRI	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)			
Depleted	d Below Dark Surface	(A11)	Loamy Mucky	Mineral	(F1) (LR	R K, L)	Iron-Mai	nganese Masses (F12) (LRR K, L, R)			
Thick Da	ark Surface (A12)		Loamy Gleyed	l Matrix ((F2)		Piedmont Floodplain Soils (F19) (MLRA 149B)				
Mesic Sp	podic (A17)		Depleted Matr	ix (F3)			Red Par	rent Material (F21) (outside MLRA 145)			
(MLR	A 144A, 145, 149B)		X Redox Dark S	urface (F	- 6)		Very Sh	allow Dark Surface (F22)			
	lucky Mineral (S1)		Depleted Dark	Surface	e (F7)		Other (E	Explain in Remarks)			
	lleyed Matrix (S4)		x Redox Depres		8)		2				
	ledox (S5)		Marl (F10) (LF					ors of hydrophytic vegetation and			
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	² 21) (MLF	RA 145)		nd hydrology must be present, s disturbed or problematic.			
	Layer (if observed):										
Type: - Depth (ir	rock nches):	8					Hydric Soil Prese	nt? Yes_X No			
Remarks:							•				



Wetland Z (PEM) - View facing southeast.



Wetland Z (PEM) - Soils

Segment 8 – Package 5A

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: Guilder	land/Albany	Sampling Date: 8/25/22			
Applicant/Owner: TDI			State: NY	Sampling Point: Wet Z POW			
Investigator(s): C. Einstein & J. Greaves		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): Depressio	on Local re	elief (concave, conve	ex. none). Concave	Slope %: 3			
Subregion (LRR or MLRA): LRR R	Lat: 42 42' 16"N		-73 57' 31"W	 Datum: WGS84			
Soil Map Unit Name: SuA - Sudbury fine san			NWI classification:	PUB			
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	oling point loca	tions, transects, im	portant features, etc.			
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea				
Hydric Soil Present?	Yes No X	within a Wetland	? Yes	No X			
Wetland Hydrology Present?	Yes X No	If yes, optional We	etland Site ID: Wetland	Z			
Remarks: (Explain alternative procedures he Small shallow pond portion of Wetland Z.	ere or in a separate report.)						
Small shallow pond portion of Welland 2.							
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	s (B6)			
X Surface Water (A1)	x Water-Stained Leaves (BS	9)	Drainage Patterns (· ·			
X High Water Table (A2)	x Aquatic Fauna (B13)		Moss Trim Lines (B	•			
Saturation (A3)	Marl Deposits (B15)	x Dry-Season Water Table (C2)					
— Water Marks (B1)	Hydrogen Sulfide Odor (C	· ·	Crayfish Burrows (C	•			
x Sediment Deposits (B2)	Oxidized Rhizospheres or						
Drift Deposits (B3)	Presence of Reduced Iron						
X Algal Mat or Crust (B4)	Recent Iron Reduction in						
Iron Deposits (B5)	Thin Muck Surface (C7)						
x Inundation Visible on Aerial Imagery (B7	· — · · · ·						
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test ([D5)			
Field Observations:	No. Donth (inches):	24					
Surface Water Present? Yes x	No Depth (inches): _	24					
Water Table Present? Yes x Saturation Present? Yes x	No Depth (inches): _	0 Wetlen		Vac V No			
Saturation Present? Yes x (includes capillary fringe)	No Depth (inches): _	0 Wetlan	d Hydrology Present?	Yes <u>X</u> No			
Describe Recorded Data (stream gauge, mor	nitoring well aerial photos prev	vious inspections) if	available.				
Describe recorded bald (offsam gaage,	illoring won, donar priotoc, p	71003 1110p000.51.5 _/ ,	avaliable.				
Remarks:							

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size:30')	% Cover	Species?	Indicator 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)
i				Percent of Dominant Species
i				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 species101 x 1 =101
. Cephalanthus occidentalis	2	No	OBL	FACW species 1 x 2 = 2
·				FAC species0 x 3 =0
i				FACU species 0 x 4 = 0
				UPL species 0 x 5 = 0
i				Column Totals: 102 (A) 103 (B
				Prevalence Index = B/A = 1.01
				Hydrophytic Vegetation Indicators:
	2	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
. Lemna minor	95	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
Leersia oryzoides	3	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
Phragmites australis	1	No	FACW	data in Remarks or on a separate sheet)
. Carex lurida	1	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
S				be present, unless disturbed or problematic.
		. <u> </u>		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
	100	=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.
2				
ł				Hydrophytic Vegetation
				Present? Yes X No
l		=Total Cover		

SOIL Sampling Point Wet Z POW

Profile Desc Depth	ription: (Describe to Matrix	the de		ıment tl x Featur		ator or co	onfirm the absence of	of indicat	ors.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rem	arks	
(mones)	Color (molot)		Color (Indiat)		1,700		Toxtaro		110111	arito	
¹ Type: C=Co	ncentration, D=Deple	tion, RM	=Reduced Matrix, M	1S=Masl	ked San	d Grains.	² Location: I	PL=Pore L	_ining, M=M	1atrix.	
Hydric Soil I	ndicators:						Indicators	for Proble	ematic Hyd	Iric Soils	³ :
Histosol	(A1)		Dark Surface (S	S7)			2 cm M	uck (A10)	(LRR K, L	, MLRA 1	49B)
	ipedon (A2)		Polyvalue Belo		ce (S8) (LRR R.		, ,	dox (A16) (I		,
Black His			MLRA 149B		(-/(,			t or Peat (S		
	n Sulfide (A4)		Thin Dark Surfa	•	(I PP P	MI DA 1			Surface (St		
									-		L , L)
	Layers (A5)	(4.4.1)	High Chroma S	-					e (S9) (LRF		
	Below Dark Surface	(A11)	Loamy Mucky I			RK, L)		-	Masses (F1		-
	rk Surface (A12)		Loamy Gleyed		F2)		Piedmont Floodplain Soils (F19) (MLRA 149B)				
Mesic Sp	odic (A17)		Depleted Matrix	x (F3)			Red Parent Material (F21) (outside MLRA 145)				
(MLR	A 144A, 145, 149B)		Redox Dark Su	ırface (F	6)		Very Shallow Dark Surface (F22)				
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Explain in Remarks)				
Sandy G	eyed Matrix (S4)		Redox Depress	sions (F	8)						
Sandy R	edox (S5)		 Marl (F10) (LR l	RK, L)			³ Indicators of hydrophytic vegetation and				
Stripped	Matrix (S6)		Red Parent Ma	terial (F	21) (ML I	RA 145)					
	()			(-	/ (unless disturbed or problematic.				
Restrictive I	ayer (if observed):										
Type:	ayor (ii observea).										
Depth (in	ches):						Hydric Soil Prese	ent?	Yes	No	X
Remarks:											
	nent soils because in	undated	and dominated by C	DBL/FAC	CW spec	ies.					
			,		'						
											ļ



Wetland Z (PUB) - View facing southeast.

Wetland Z – Soils (no photo)

Segment 8 – Package 5A

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)

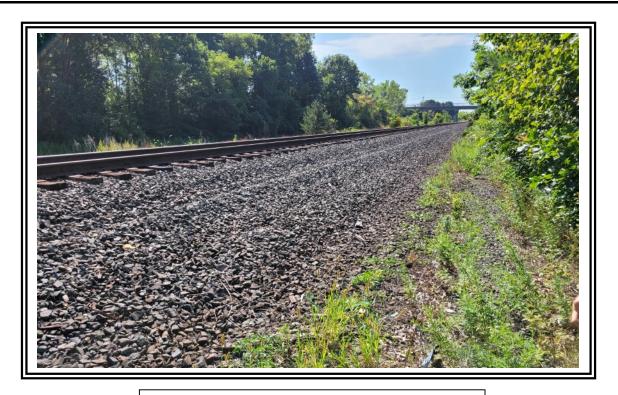
Project/Site: CHPE	(City/County: Guilder	land/Albany	Sampling Date: 8/25/22
Applicant/Owner: TDI			State: NY	Sampling Point: Z Upl
Investigator(s): C. Scrivner & J. Greaves		Section, To	wnship, Range:	<u> </u>
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve	ex. none): Convex	Slope %: 25
Subregion (LRR or MLRA): LRR R	Lat: 42 42'16"N	•	-73 57'31"W	Datum: WGS84
Soil Map Unit Name: SuA - Sudbury fine san			NWI classification:	Dutain
Are climatic / hydrologic conditions on the site				explain in Remarks.)
		Yes x	 `	,
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	pling point loca	tions, transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled A	rea	
Hydric Soil Present?	Yes No X	within a Wetland	? Yes	No X
Wetland Hydrology Present?	Yes No X	If yes, optional We	etland Site ID: Upland a	djacent to Wetland Z
Remarks: (Explain alternative procedures he	ere or in a separate report.)			
Railroad embankment.				
HYDROLOGY				
Wetland Hydrology Indicators:				ninimum of two required)
Primary Indicators (minimum of one is require			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)	24)	Dry-Season Water	
Water Marks (B1)	Hydrogen Sulfide Odor (C Oxidized Rhizospheres or	•	Crayfish Burrows (C	·
Sediment Deposits (B2) Drift Deposits (B3)	Presence of Reduced Iron	• , ,	Stunted or Stressed	n Aerial Imagery (C9)
Algal Mat or Crust (B4)	Recent Iron Reduction in		Geomorphic Position	
Iron Deposits (B5)	Thin Muck Surface (C7)	rilled colle (co)	Shallow Aquitard (D	
Inundation Visible on Aerial Imagery (B7		(s)	Microtopographic R	
Sparsely Vegetated Concave Surface (B	· · · · ·	,	FAC-Neutral Test (I	` '
Field Observations:	·		_	,
Surface Water Present? Yes	No x Depth (inches):			
Water Table Present? Yes	No x Depth (inches):			
Saturation Present? Yes	No jn Depth (inches):		d Hydrology Present?	Yes No _X_
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if	available:	
Remarks:				

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

<u>Tree Stratum</u> (Plot size: 30')	% Cover	Dominant Species?	Status	Dominance Test worksheet:
1. Quercus rubra	5	Yes	FACU	Number of Dominant Species
2. Populus tremuloides	5	Yes	FACU	That Are OBL, FACW, or FAC: 2 (A)
3.				Total Number of Dominant
4.				Species Across All Strata: 7 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 28.6% (A/B)
7				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Rhamnus cathartica	5	Yes	FAC	FACW species 0 x 2 = 0
2. Quercus rubra	5	Yes	FACU	FAC species30 x 3 =90
3. Populus tremuloides	5	Yes	FACU	FACU species 20 x 4 = 80
4.				UPL species30 x 5 =150
5				Column Totals: 80 (A) 320 (B)
6				Prevalence Index = B/A =4.00
7				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Artemisia vulgaris	25	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Setaria pumila	25	Yes	FAC	4 - Morphological Adaptations (Provide supporting
3. Daucus carota	5	No	UPL	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	55	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

SOIL Sampling Point Z Upl

Profile Desc	ription: (Describe t	to the de	pth needed to docu	ıment th	ne indica	tor or co	onfirm the absence of	f indicators.)	
Depth	Matrix			x Featur					
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture	Re	marks
	-								
1- 0.0							2, ,, ,		
	ncentration, D=Depl	etion, RIV	I=Reduced Matrix, N	IS=Masi	ked Sand	Grains.		L=Pore Lining, M	
Hydric Soil I			D 1 0 1 1	07)				or Problematic H	=
— Histosol (· · · · · ·		Dark Surface ((00) (ick (A10) (LRR K ,	•
	ipedon (A2)		Polyvalue Belo		ce (58) (I	-RR R,		rairie Redox (A16)	
— Black His			MLRA 149B		. /I DD D	MI DA 4		-	(S3) (LRR K, L, R)
	Sulfide (A4)		Thin Dark Surf		-			e Below Surface (
	Layers (A5)	(8.4.4)	High Chroma S					k Surface (S9) (L	
	Below Dark Surface	e (A11)	Loamy Mucky			R K, L)			(F12) (LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed		F2)				(F19) (MLRA 149B)
	odic (A17)		Depleted Matri						(outside MLRA 145)
-	A 144A, 145, 149B)		Redox Dark Su		-			allow Dark Surface	
	ucky Mineral (S1)		Depleted Dark				Other (E	xplain in Remarks	5)
	eyed Matrix (S4)		Redox Depress		8)		3, ,,		
	edox (S5)		Marl (F10) (LR					rs of hydrophytic	
Stripped	Matrix (S6)		Red Parent Ma	iterial (F	21) (MLF	RA 145)		d hydrology must	
							unless	disturbed or prob	olematic.
	ayer (if observed):								
Type: _									
Depth (in	ches):						Hydric Soil Preser	nt? Yes_	No _X
Remarks:									
Soils consist	of railroad ballast.								



Upland Z - View facing south.



Upland Z - Soils

Segment 8 – Package 5A

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Phase 5	City/County: Sche	enectady S	Sampling Date: <u>11/15/21</u>
Applicant/Owner: <u>СНА</u>		State: <u>NY</u>	Sampling Point: <u>дд-</u> 2
Investigator(s): Nick Dominic, Justn Williams	Section, Township	o, Range: Schenectady	
Landform (hillslope, terrace, etc.):	Local relief (concave,	convex, none):	Slope (%):
Subregion (LRR or MLRA): LRR R Lat	: 42.70211	Long: <u>-73.95779</u>	Datum: NAD83
Soil Map Unit Name:		NWI classifica	tion: PFM
Are climatic / hydrologic conditions on the site typical f	or this time of year? YesI	No (If no, explain in Re	marks.)
Are Vegetation NO, Soil NO, or Hydrology NO	significantly disturbed?	Are "Normal Circumstances" pre	esent? Yes X No
Are Vegetation NO, Soil NO, or Hydrology NO		(If needed, explain any answers	
SUMMARY OF FINDINGS – Attach site n	nap showing sampling poi	nt locations, transects,	important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes X Yes X		· 🗔	_
Remarks: (Explain alternative procedures here or in Wetland AA	a separate report.)		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicate	ors (minimum of two required)
Primary Indicators (minimum of one is required; chec	**	<u>U</u> Surface Soil C	` '
Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) Aquatic Fauna (B13)	☐ Drainage Patte☐ Moss Trim Line	
Saturation (A3)	Marl Deposits (B15)	-	/ater Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burro	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living	Roots (C3) 🔲 Saturation Visi	ib l e on Aerial Imagery (C9)
☐ Drift Deposits (B3)	Presence of Reduced Iron (C4)	-	essed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	— · · · —	
☐ Iron Deposits (B5) ☐ Inundation Visible on Aerial Imagery (B7) ☐	Thin Muck Surface (C7) Other (Explain in Remarks)	Shallow Aquita	hic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	FAC-Neutral T	
Field Observations:			()
Surface Water Present? Yes X No X	_ Depth (inches): 2		
Water Table Present? Yes X No X	_ Depth (inches): 6		_
Saturation Present? Yes X No (includes capillary fringe)	_ Depth (inches): surface	Wetland Hydrology Present	? Yes_⊠_ No □
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous inspec	tions), if available:	
Remarks:			

VEGETATION – Use scientific names of plants.

/EGETATION – Use scientific names of plants.			Sam	pling Point: <u>AA-2</u>
<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Indicator Species? Status	Dominance Test worksheet:	
1. <u>Juniperus spp.</u>	5	YES ▼ FACU ▼	Number of Dominant Species That Are OBL, FACW, or FAC	
2			Total Number of Dominant	
3		<u> </u>	Species Across All Strata:	_3(B)
4			Percent of Dominant Species	
5			That Are OBL, FACW, or FAC	
6			Barras In a second second second second	4.
7			Prevalence Index workshee Total % Cover of:	
		= Total Cover	OBL species	
Sapling/Shrub Stratum (Plot size: 15)		Total Gover	FACW species	
1			FAC species	
			FACU species	
2			UPL species	x 5 =
3			Column Totals:	(A)(B)
4			Prevalence Index = B/A	.=
5				
6			Hydrophytic Vegetation Indi 1 - Rapid Test for Hydrop	
7			2 - Dominance Test is >5	
		= Total Cover	3 - Prevalence Index is ≤	
Herb Stratum (Plot size: 5)	00	VES FACINI	4 - Morphological Adapta data in Remarks or on	tions ¹ (Provide supporting
1. Phragmites australis			Problematic Hydrophytic	
2. <u>Solidago spp.</u>		= =	l 	
3			¹Indicators of hydric soil and v be present, unless disturbed o	
4			Definitions of Vegetation St	-
5				
6			Tree – Woody plants 3 in. (7.6 at breast height (DBH), regard	
7				
8			Sapling/shrub – Woody plant and greater than or equal to 3	
9		-	Herb – All herbaceous (non-woo	ody) plante regardless of
10		<u>-</u> <u>-</u>	size, and woody plants less than	
11		<u>-</u> <u>-</u>	Woody vines – All woody vines	greater than 3.28 ft in
12		- -	height.	greater than 5120 IV III
	100	= Total Cover		
Woody Vine Stratum (Plot size: 30)				
1		<u>-</u>		
2		<u> </u>	Hydrophytic Vegetation	_
3		<u> </u>	Present? Yes	No 🗌
4		<u> </u>		
		= Total Cover		
Remarks: (Include photo numbers here or on a separate s	sheet.)			

SOIL Sampling Point: AA-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redo	x Features	<u>3</u>			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0-16	10YR/3/1	88	10yr/4/6	12	<u>-</u>	-	SiCL	Prominent redox
					-	-		
					-	-		
-								
		. ——				-		
					-			
					-	-		
					<u>-</u>	-		
					-			
l <u></u>					-			
					-	-		
¹ Type: C=Co	oncentration. D=Dep	letion. RM	=Reduced Matrix, M	======================================	Sand Gr	ains.	² Location	n: PL=Pore Lining, M=Matrix.
Hydric Soil I		<u> </u>	,					for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belov	w Surface	(S8) (LR	R R,	2 cm N	Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	,				Prairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa					Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Mucky N			(, L)		Surface (S7) (LRR K, L, M)
	Layers (A5)	- (011)	Loamy Gleyed)			alue Below Surface (S8) (LRR K, L)
	l Below Dark Surfac ark Surface (A12)	e (A11)	Depleted Matrix Redox Dark Su					Park Surface (S9) (LRR K , L) langanese Masses (F12) (LRR K , L , R)
	lucky Mineral (S1)		Depleted Dark					ont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)		Redox Depress		')		_	Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)		reduct popiose					arent Material (F21)
	Matrix (S6)						_	Shallow Dark Surface (TF12)
	rface (S7) (LRR R, N	ILRA 149	B)					(Explain in Remarks)
³ Indicators of	hydrophytic vegetat	tion and w	etland hydrology mus	st be prese	ent, unles	s disturbed	or problemation	C.
	ayer (if observed):			•				
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes 🗵 No 🔲
Remarks:								



Wetland AA - View facing east.

SITE PHOTOGRAPHS

Segment 8 – Package 5A



Wetland AA – Soils

Phase 5

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Phase 5	City/County: Schenectady Sampling Date: 11/15/2021
Applicant/Owner: CHA	 State: NY Sampling Point: AA-2 ∪pland
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.):	relief (concave, convex, none): Slope %:
	Long: -73.95779 Datum: NAD83
Soil Map Unit Name:	NWI classification: Upland
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes 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	
	T
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No X No X	Is the Sampled Area
Hydric Soil Present? Wetland Hydrology Present? Yes No _X Yes No _X	within a Wetland? Yes No X If yes, optional Wetland Site ID:
	il yes, optional wetland site ib.
Remarks: (Explain alternative procedures here or in a separate report.) Upland for Wetland AA	
Opiano foi Welland AA	
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) ——Aquatic Faulta (B15) ——Mari Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Water Marks (B1) Hydrogen Sulfide Odor (;
Sediment Deposits (B2) Oxidized Rhizospheres	· · · · · · · · · · · · · · · · · · ·
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 Remark)	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
	FAC-Neutial 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):	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Demoder	
Remarks:	

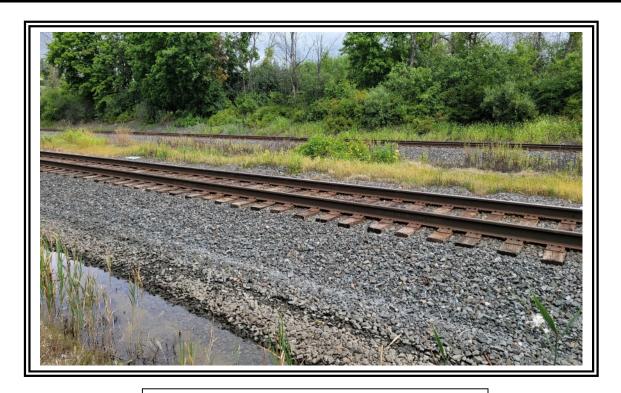
VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
1. Quercus rubra	20	Yes	FACU	Number of Dominant Species
2. Acer rubrum	20	Yes	FACU	That Are OBL, FACW, or FAC:0 (A)
3				Total Number of Dominant
4				Species Across All Strata: 6 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	40	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0
1. Lonicera spp.	30	Yes	FACU	FACW species 0 x 2 = 0
2. Acer saccharum	20	Yes	FACU	FAC species 10 x 3 = 30
3.				FACU species 160 x 4 = 640
4.				UPL species 0 x 5 = 0
5.				Column Totals: 170 (A) 670 (B)
<u> </u>				Prevalence Index = B/A = 3.94
7				Hydrophytic Vegetation Indicators:
<i>'</i>	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Harb Stratum (Diataiza:		- Total Cover		2 - Dominance Test is >50%
Herb Stratum (Plot size:)	40	Vaa	FACIL	
1. Rosa multiflora	40	Yes	FACU	3 - Prevalence Index is ≤3.0¹
2. Solidago sp.	30	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Astragalus sp.	10	<u>No</u>	<u>FAC</u>	
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	80	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic
4.	•			Vegetation Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet \			
Temarks. (include prioto flambors field of off a separ	ale silecti			

Sampling Point: AA-2 Upland

SOIL Sampling Point AA-2 Upland

	•	to the de	=			tor or co	onfirm the absence of i	indicators.)
Depth	Matrix			x Featur		2	T ()	D 1
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-16	10yr 3/1	88	10yr 4/6	12			Loamy/Clayey	
								_
								-
¹ Type: C=Co	oncentration, D=Depl	etion, RN	∕I=Reduced Matrix, M	/IS=Mas	ked San	d Grains.	² Location: PL=	=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (l	LRR R,	2 cm Mucl	k (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast Pra	irie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (LRR R	, MLRA 1	49B) 5 cm Mucl	ky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LR F	R K, L)	Polyva l ue	Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky I	Mineral	(F1) (LR I	R K, L)		Surface (S9) (LRR K, L)
Depleted	l Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Mang	anese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matrix	x (F3)			Piedmont	Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su					odic (TA6) (MLRA 144A, 145, 149B)
	ileyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5)		Redox Depress		8)			low Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K , L)			Other (Exp	plain in Remarks)
Dark Su	face (S7)							
3								
			etland hydrology mu	ist be p	resent, ur	nless dist	urbed or problematic.	
	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present	? Yes <u>No X</u>
Remarks:								
								S Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	/ww.nrcs	usda.gov/Internet/FS	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)	



Upland AA - View facing northeast.

SITE PHOTOGRAPHS

Segment 8 – Package 5A



Upland AA – Soils

Phase 5

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: Guilder	land Center/Albany	Sampling Date: 2/21/23
Applicant/Owner: TDI			State: NY	Sampling Point: P5A-DB2 Wet
Investigator(s): J. Greaves & C.Scrivner		Section, To	wnship, Range:	<u> </u>
Landform (hillside, terrace, etc.): Depression	n Local re	elief (concave, conve	x, none): Concave	Slope %: 3
Subregion (LRR or MLRA): LRR R	Lat: 42.695540	•	-73.956224	Datum: WGS84
Soil Map Unit Name: Uk - Udorthents, loamy			NWI classification:	
Are climatic / hydrologic conditions on the site		Yes x		explain in Remarks.)
			<u> </u>	,
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	oling point locat	tions, transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea	
	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				
Manmade stormwater retention basin wetland	d.			
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (m	
Primary Indicators (minimum of one is require		<u></u>	Surface Soil Cracks	
Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (BS Aquatic Fauna (B13)	9)	Drainage Patterns (I	•
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water 1	·
Water Marks (B1)	Hydrogen Sulfide Odor (C	:1)	Crayfish Burrows (C	
Sediment Deposits (B2)	Oxidized Rhizospheres on	•		n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed	
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	X Geomorphic Position	· ·
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D	3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks	s)	Microtopographic Re	elief (D4)
Sparsely Vegetated Concave Surface (B8	8)		X FAC-Neutral Test (D	05)
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes X	No Depth (inches): _	4 Wetlan	d Hydrology Present?	YesX No
(includes capillary fringe)	-thering well cariel photos prov	devia inapportions) if	ailahla.	
Describe Recorded Data (stream gauge, mor	litoring well, aeriai priotos, previ	10us inspections), ii	avaliable:	
Remarks:				

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3. 4.				Total Number of Dominant Species Across All Strata: 3 (B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species100 x 1 =100
1. Salix alba	5	Yes	FACW	FACW species 5 x 2 = 10
2.				FAC species0 x 3 =0
3.				FACU species0 x 4 =0
4				UPL species 0 x 5 = 0
5.				Column Totals: 105 (A) 110 (B)
6.				Prevalence Index = B/A = 1.05
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. Lythrum salicaria	80	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
Typha angustifolia	20	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
2				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Horb. All berbasseus (non woody) plants, regardless
	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size:) 1				Woody vines – All woody vines greater than 3.28 ft in height.
2.				The same of the sa
2				Hydrophytic
				Vegetation Present? Yes X No
4.		=Total Cover		Tesenti
Remarks: (Include photo numbers here or on a separ	rate sheet)			
Tremains. (include prioto numbers here of on a separ	ale sileet.)			

Sampling Point: P5A-DB2 Wet

SOIL Sampling Point P5A-DB2 Wet

	ription: (Describe to	the de				tor or co	onfirm the absence of inc	licators.)
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-3	10YR 2/1	90	10YR 5/3	10	<u> </u>	<u>m</u>	Loamy/Clayey	Distinct redox concentrations
3-16	10YR 5/1	68	10YR 3/6	30	<u> </u>	<u>m</u>	Loamy/Clayey F	Prominent redox concentrations
			10YR 2/1	2	c	<u>m</u>		Distinct redox concentrations
	ncentration, D=Deple	etion, RN	/I=Reduced Matrix, M	1S=Masl	ked Sand	d Grains.		ore Lining, M=Matrix.
Hydric Soil Ir			5	o=\				roblematic Hydric Soils ³ :
— Histosol (•		Dark Surface ((00) (A10) (LRR K, L, MLRA 149B)
	pedon (A2)		Polyvalue Belo		ce (58) (LKK K,		Redox (A16) (LRR K, L, R)
Black His	Sulfide (A4)		MLRA 149B Thin Dark Surfa		/I DD D	MIDA		Peat or Peat (S3) (LRR K, L, R) elow Surface (S8) (LRR K, L)
	Layers (A5)		High Chroma S		-		· — ·	urface (S9) (LRR K, L)
	Below Dark Surface	(Δ11)	Loamy Mucky I					ese Masses (F12) (LRR K, L, R)
	k Surface (A12)	(// 11)	Loamy Gleyed			ι λ (λ, L)		podplain Soils (F19) (MLRA 149B)
	odic (A17)		X Depleted Matrix					Material (F21) (outside MLRA 145)
	A 144A, 145, 149B)		Redox Dark Su		6)			Dark Surface (F22)
	ucky Mineral (S1)		Depleted Dark		-			in in Remarks)
	eyed Matrix (S4)		X Redox Depress					•
Sandy Re	edox (S5)		Marl (F10) (LR	RK, L)			³ Indicators o	f hydrophytic vegetation and
Stripped I	Matrix (S6)		Red Parent Ma	terial (F	21) (MLF	RA 145)	wetland hy	drology must be present,
							unless dist	turbed or problematic.
	ayer (if observed):							
Type: _	ahaa\.						Hudria Cail Dreamt?	Voc. V. No.
Depth (inc							Hydric Soil Present?	Yes X No
Remarks:								



Wetland P5A-DB2 - View facing south.



Wetland P5A-DB2 - Soils

Segment 8 – Package 5A

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: Guilder	land Center/Albany	Sampling Date: 2/21/23			
Applicant/Owner: TDI			State: NY	Sampling Point: P5A-DB2 Upl			
Investigator(s): J. Greaves & C.Scrivner		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve	x, none). Convex	Slope %: 25			
Subregion (LRR or MLRA): LRR R	Lat: 42.695663	•	-73.956127	Datum: WGS84			
Soil Map Unit Name: Uk - Udorthents, loamy			NWI classification:				
Are climatic / hydrologic conditions on the site	· · · · · · · · · · · · · · · · · · ·	Vac v		explain in Remarks.)			
		Yes x	- ,				
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, im	portant features, etc.			
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled A	rea				
Hydric Soil Present?	Yes No X	within a Wetland?	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.							
HYDROLOGY							
Wetland Hydrology Indicators:				ninimum of two required)			
Primary Indicators (minimum of one is require			Surface Soil Cracks				
Surface Water (A1)	Water-Stained Leaves (B	59)	Drainage Patterns (B10)				
I ——	High Water Table (A2) Aquatic Fauna (B13)			Moss Trim Lines (B16)			
l 	Saturation (A3)Marl Deposits (B15)			Dry-Season Water Table (C2)			
1 ——	Water Marks (B1)Hydrogen Sulfide Odor (C1)			Crayfish Burrows (C8)			
l 	Sediment Deposits (B2) Oxidized Rhizospheres on Living Processes of Reduced Iron (C4)			· · · · · · · · · · · · · · · · · · ·			
Algal Mat or Crust (B4)	Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled So			Stunted or Stressed Plants (D1) Is (C6) Geomorphic Position (D2)			
Iron Deposits (B5)	Tilled Golla (Go)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7	(s)	Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B	· —	.5)	FAC-Neutral Test (I	` '			
Field Observations:	/		<u> </u>				
Surface Water Present? Yes	No X Depth (inches):						
	No X Depth (inches):						
Saturation Present? Yes	No X Depth (inches):		d Hydrology Present?	Yes No X			
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

VEGETATION – Use scientific names of plants.

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Pinus sylvestris	10	Yes	UPL			
2. Malus	10	Yes		Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)		
3.						
				Total Number of Dominant Species Across All Strata: 5 (B)		
5.						
6				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)		
7				Prevalence Index worksheet:		
·	20	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species 0 x 1 = 0		
1. Rhus typhina	18	Yes	UPL	FACW species 0 x 2 = 0		
Lonicera morrowii	10	Yes	FACU	FAC species 5 x 3 = 15		
3				FACU species 105 x 4 = 420		
4.		·		UPL species 28 x 5 = 140		
5.				Column Totals: 138 (A) 575 (B)		
6.				Prevalence Index = B/A = 4.17		
7.				Hydrophytic Vegetation Indicators:		
	28	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')		-		2 - Dominance Test is >50%		
1. Poa pratensis	90	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹		
Taraxacum officinale	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting		
3. Galium boreale	5	No	FAC	data in Remarks or on a separate sheet)		
4.				Problematic Hydrophytic Vegetation ¹ (Explain)		
5.						
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
7.				Definitions of Vegetation Strata:		
8.				_		
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
10.						
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12.						
	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size: 30')		-		Washings All woods wines greater than 2.20 ft in		
1.				Woody vines – All woody vines greater than 3.28 ft in height.		
2.						
3.				Hydrophytic Vegetation		
4.				Present? Yes No X		
		=Total Cover				
Remarks: (Include photo numbers here or on a sepa	rate sheet.)	-				

Sampling Point: P5A-DB2 Upl

SOIL Sampling Point P5A-DB2 Upl

		o the de				ator or co	onfirm the absence of in	dicators.)
Depth	Matrix	0/		x Featur		1 2	Taratrusa	Damanka
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/3	100					Loamy/Clayey	
<u></u>								
								_
								_
1 _{Type:} C=Ce	ncentration, D=Deple	tion PN	4-Poducod Matrix N		kod Sand		2l ocation: DI =	Pore Lining, M=Matrix.
Hydric Soil I		euon, Kr	vi-Reduced Matrix, N	vio-ivias	keu Sand	Giailis.		Problematic Hydric Soils ³ :
*			Dark Surface ((07)				(A10) (LRR K, L, MLRA 149B)
— Histosol (•		Polyvalue Belo		oo (CO) (I DD D		
	pedon (A2)				Ce (36) (I	LKK K,		ie Redox (A16) (LRR K, L, R)
Black His			MLRA 149B	•	\	MIDA		y Peat or Peat (S3) (LRR K, L, R)
	Sulfide (A4)		Thin Dark Surf					Selow Surface (S8) (LRR K, L)
	Layers (A5)	/A 4 4 \	High Chroma S					Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Mucky			R K, L)		nese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed		F2)			Floodplain Soils (F19) (MLRA 149B)
	odic (A17)		Depleted Matri		-0\			Material (F21) (outside MLRA 145)
	A 144A, 145, 149B)		Redox Dark Su		-			w Dark Surface (F22)
I — '	ucky Mineral (S1)		Depleted Dark				— Other (Expl	ain in Remarks)
	eyed Matrix (S4)		Redox Depress	,	8)		3	
	edox (S5)		Marl (F10) (LR					of hydrophytic vegetation and
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	21) (MLF	RA 145)		nydrology must be present,
							unless di	sturbed or problematic.
	ayer (if observed):							
Type: _								
Depth (in	ches):						Hydric Soil Present?	Yes No _X
Remarks:							!	