

Wetland Z - View facing South



Wetland Z – Soils

SITE PHOTOGRAPHS



 $Upland \ Z-Soils \\$

SITE PHOTOGRAPHS

Project/Site: CHPE Phase 5	City/County: <u>Sche</u>	enectady	Sampling Date: 11/15/21
Applicant/Owner: CHA		State: NY	_ Sampling Point: <u>дд-2</u>
Investigator(s): Nick Dominic, Justn Williams	Section, Township	o, Range: <u>Schenectady</u>	
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	ation: PFM
Are climatic / hydrologic conditions on the site typical for	or this time of year? Yes <u> </u>	No (If no, explain in Re	emarks.)
Are Vegetation NO, Soil NO ▼, or Hydrology NO	significantly disturbed?	Are "Normal Circumstances" p	resent? Yes 🗵 No 🔲
Are Vegetation NO , Soil NO , or Hydrology NO		(If needed, explain any answer	
SUMMARY OF FINDINGS – Attach site m	nap showing sampling poi	nt locations, transects,	important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Wetland Hydrology Present? Yes X			_
Remarks: (Explain alternative procedures here or in Wetland AA	a separate report.)		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicat	tors (minimum of two required)
Primary Indicators (minimum of one is required; chec	•••	Surface Soil 0	Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	☐ Drainage Patt	
High Water Table (A2) Saturation (A3)	Aquatic Fauna (B13) Marl Deposits (B15)	Moss Trim Lir	nes (B16) Vater Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burro	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living		sible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		ressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Sc	oils (C6) 🔲 Geomorphic F	Position (D2)
☐ Iron Deposits (B5) ☐	Thin Muck Surface (C7)	Shallow Aquit	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		phic Relief (D4)
☐ Sparsely Vegetated Concave Surface (B8)		<u></u> FAC-Neutral ⁻	Test (D5)
Field Observations: Surface Water Present? Yes X No X	Depth (inches): 2		
Water Table Present? Yes No Water Table Present?	Depth (inches): 6		
Saturation Present? Yes No No No No No No No No	Depth (inches): _{Surface}	Wetland Hydrology Present	t? Yes ⊠ No □
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring v	well, aerial photos, previous inspec	tions), if available:	
Remarks:			

			Sampling Point: AA-2
<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 (A)
2			Total Number of Dominant
3			Species Across All Strata: _3(B)
4			Percent of Dominant Species
5			That Are OBL, FACW, or FAC: _66 (A/B)
6			
7			Prevalence Index worksheet:
·			
Sapling/Shrub Stratum (Plot size: 15)	-	, Total Gover	FACW species x 2 =
		. 🔻 . 🔻	
1			FACU species x 4 =
2			UPL species x 5 =
3			Column Totals: (A) (B)
4			Prevalence Index = B/A =
5			
6			Hydrophytic Vegetation Indicators:
7			1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
		= Total Cover	☐ 3 - Prevalence Index is ≤3.01
Herb Stratum (Plot size: 5	00	VEC FACILITY	4 - Morphological Adaptations¹ (Provide supporting
1. Phragmites australis			data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Solidago spp.</u>		= =	
3			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4			
5			Definitions of Vegetation Strata:
6		-	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
7			
8		<u> </u>	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9		<u>-</u>	
10			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11		<u> </u>	Woody vines – All woody vines greater than 3.28 ft in
12			height.
	100	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1			
2			Hydrophytic Vegetation
3			Present? Yes X No
4		= Total Cover	

SOIL Sampling Point: AA-2

Depth (inches)
Color (moist)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Thirupe: C=Concen
Hydric Soil Indicators: Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L)
Hydric Soil Indicators: Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L)
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Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L)
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L)
Hydrogen Sulfide (A4) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L)
Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L)
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Redox (S5) Red Parent Material (F21)
Stripped Matrix (S6)
Dark Surface (S7) (LRR R, MLRA 149B)
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if observed):
Type:
Depth (inches): Hydric Soil Present? Yes 🗵 No 🔲
Remarks:



Wetland AA - Soils

SITE PHOTOGRAPHS

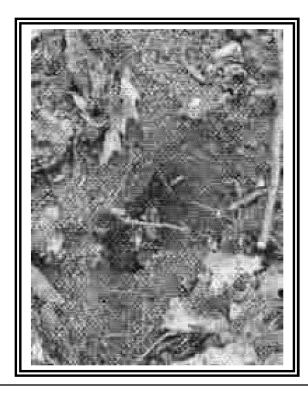
Project/Site: CHPE Phase 5	City/County: Schenectady Sampling Date: 11/15/2021
Applicant/Owner: CHA	State: NY Sampling Point: AA-2 Upland
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
	ocal relief (concave, convex, none): Slope %:
	Long: -73.95779 Datum: NAD83
Soil Map Unit Name:	NWI classification: Upland
Are climatic / hydrologic conditions on the site typical for this time of year	
Are Vegetation, Soil, or Hydrologysignificantly d	
Are Vegetation, Soil, or Hydrology naturally prob	
	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:
Upland for Wetland 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 Leav	res (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13	
Saturation (A3) — Marl Deposits (B15)	
Water Marks (B1) Hydrogen Sulfide O	
1 	eres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	
1 <u> </u>	ion in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface	· , · · · · · · · · · · · · · · · · · ·
Inundation Visible on Aerial Imagery (B7) Other (Explain in Re	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (incl	
Water Table Present? Yes No X Depth (incl	
Saturation Present? Yes No X Depth (incl	hes): Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos	, previous inspections), if available:
Damada	
Remarks:	

	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)
F				
				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
7.				
	40	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0
1. Lonicera spp.	30	Yes	<u>FACU</u>	FACW species0 x 2 =0
2. Acer saccharum	20	Yes	FACU	FAC species10 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:
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				2 - Dominance Test is >50%
1. Rosa multiflora	40	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Solidago sp.	30	Yes	_FACU	4 - Morphological Adaptations (Provide supporting
3. Astragalus sp.	10	No	FAC	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
-				
				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				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.				Harb All borb cooks (son woods) plants recording
	80	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)		•		
				Woody vines – All woody vines greater than 3.28 ft in
1.		<u> </u>		height.
2.				Hydrophytic
3				Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Sampling Point: AA-2 Upland

SOIL Sampling Point AA-2 Upland

		o the de				ator or co	onfirm the absence of i	ndicators.)
Depth	Matrix			k Featur		. 2	- .	_
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks
0-16	10yr 3/1	88	10yr 4/6	12			Loamy/Clayey	
								
-								
¹ Type: C=C	oncentration, D=Depl	etion. RN	/=Reduced Matrix. M	 1S=Mas	ked San	d Grains.	² Location: PL=	=Pore Lining, M=Matrix.
Hydric Soil								Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (l	LRR R.		k (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B)		() (.	,		irie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surfa		(LRR R	. MLRA 1		ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S				· —	Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I					Surface (S9) (LRR K, L)
	l Below Dark Surface	(A11)	Loamy Gleyed			,		anese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	(,	Depleted Matrix		. –,			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		-6)			odic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5)		Redox Depress					ow Dark Surface (F22)
	Matrix (S6)		 Marl (F10) (LR l		,			olain in Remarks)
	face (S7)			, ,				,
	, ,							
³ Indicators o	hydrophytic vegetati	on and v	vetland hydrology mu	ıst be pı	resent, ur	nless dist	urbed or problematic.	
	ayer (if observed):		, ,,		· · ·			
Type:	,							
Depth (ir	ochoe).						Hydric Soil Present	? Yes No X
							Tryunc 3011 Fresent	· 165 NO
Remarks:	ttd.f		Land North and Bard	0		() / !	O O (- ! - d - d - d - NIDOS	S Elektronia de la Calle
	m is revised from Nor 2015 Errata. (http://w							S Field Indicators of Hydric Soils,
VC131011 7.0,	zoro Errata. (mtp.//w	WW.11103	.usua.gov/mtometri	JL_DU	JOIVILITI	0/11/03 14	2p2_001230.d00x)	



Upland AA - Soils

SITE PHOTOGRAPHS

Project/Site: CHPE - CSX Rail - Rotterdam to Selkirk Yard Section	City/County: Albany Sampling Date: 11/3/21
Applicant/Owner: CHPE	State: NY Sampling Point: xgr-A-wet
Investigator(s): KW, KS	Section, Township, Range: Guilderland
Landform (hillside, terrace, etc.):	relief (concave, convex, none): Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42°,40',48.17"N	
Soil Map Unit Name: Udorthents, Loamy	NWI classification: PEM/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 disturb	
Are Vegetation, Soil, or Hydrologynaturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes 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.)	
Identified as Wetland G-R-A on wetland mapping	and in report text.
	<u> </u>
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) X Water-Stained Leaves (B12) A water Stained Leaves (B12)	<u> </u>
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 Parkers of Reduced leaves of Parkers of	
Drift Deposits (B3) Presence of Reduced Iro	<u> </u>
Algal Mat or Crust (B4) Recent Iron Reduction in This Muck Surface (C7)	· , · · · · · · · · · · · · · · · · ·
Iron Deposits (B5) Thin Muck Surface (C7) Other (Explain in Remove	
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 X No Depth (inches): (includes capillary fringe)	:10 Wetland Hydrology Present? YesX No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Describe recorded Data (endam gauge, memoring won, admar priotoe, pro	wiede inspectation, in available.
Remarks:	

	ator
lot size: 30') <u>% Cover</u> <u>Species?</u> <u>Stat</u>	
	—— Number of Dominant Species
nsylvanica 10 Yes FAC	That Are OBL, FACW, or FAC:5 (A)
cana 5 No FAC	Total Number of Dominant
	Species Across All Strata: 7 (B)
	Percent of Dominant Species
	That Are OBL, FACW, or FAC:71.4% (A/B
	Prevalence Index worksheet:
30=Total Cover	Total % Cover of: Multiply by:
atum (Plot size:15')	OBL species x 1 =
thartica 15 Yes FA	.C FACW species x 2 =
rica 5YesFA0	CU FAC species x 3 =
giniana 5YesFA0	CU FACU species x 4 =
	UPL species x 5 =
	Column Totals: (A) (B
	Prevalence Index = B/A =
	Hydrophytic Vegetation Indicators:
25 =Total Cover	1 - Rapid Test for Hydrophytic Vegetation
lot size:5')	X 2 - Dominance Test is >50%
ustralis 40 Yes FAC	CW 3 - Prevalence Index is ≤3.0 ¹
atum 30 Yes FA	4 - Morphological Adaptations ¹ (Provide supporting
oidea 10 No OE	data in Remarks or on a separate sheet)
aria 10 No FA	C Problematic Hydrophytic Vegetation ¹ (Explain)
10 No OE	SL 1Indicators of hydric soil and wetland hydrology must
	be present, unless disturbed or problematic.
	Definitions of Vegetation Strata:
	Tree Moody plants 2 in (7.6 cm) or more in
	 Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
	Carling/about Mandy plants lass than 2 in DDI
	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.
um (Plot size: 15')	
	Woody vines – All woody vines greater than 3.28 ft in height.
	Hydrophytic
	Vegetation Present? Yes X No
=Total Cover	
=Total Cove	er

SOIL Sampling Point XGR-A-Wet

		o the de				tor or co	onfirm the absence o	f indicators.)
Depth	Matrix			x Featur		. 2	- .	-
(inches)	Color (moist)		Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 5/2	100						
6-14	10YR 4/1	97	10YR 5/6	3	<u> </u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations
							_	
1							2, ,, _	
	oncentration, D=Deple	etion, RI	M=Reduced Matrix, N	1S=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil Histosol			Polyvalue Belo	w Surfa	co (S8) (I DD D		or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		Ce (30) (I	LIKK IX,		rairie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa	•	(I RR R	MIRA 1		ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-		-	ue Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky I	-		-		rk Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed			,		nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(/	X Depleted Matri	•	,			nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		·6)			podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	Bleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	rent Material (F21)
Sandy R	ledox (S5)		Redox Depress	sions (F	8)		Very Sh	allow Dark Surface (F22)
—— Stripped	Matrix (S6)		 Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
31	f h							
	f hydrophytic vegetati Laver (if observed):	on and v	wetiand nydrology mi	ist be pr	esent, ur	ness alsa	urbed or problematic.	
Type:								
Depth (ii	nches):						Hydric Soil Prese	nt? Yes X No
Remarks:								
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs	.usda.gov/Internet/FS	SE_DOC	UMENI	S/nrcs142	2p2_051293.docx)	



Wetland XGR-A - View facing Southwest



Wetland XGR-A - Soils

Phase 2

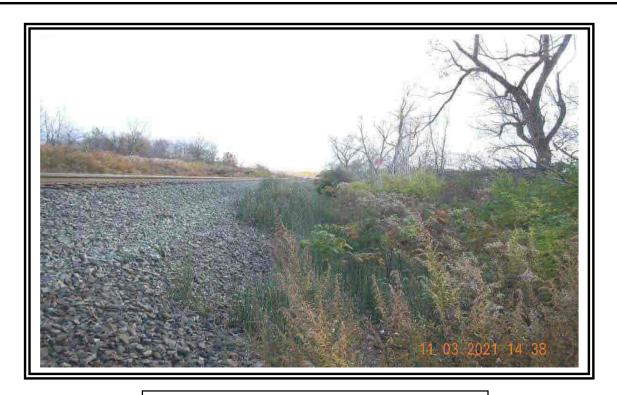
SITE PHOTOGRAPHS

Project/Site: CHPE - CSX Rail - Rotterdam to Selkirk Yard Section	City/County: Albany Sampling Date: 11/3/21
Applicant/Owner: CHPE	State: NY Sampling Point: XGR-A-Up
Investigator(s): KW, KS	Section, Township, Range: Guilderland
Landform (hillside, terrace, etc.): None Local	relief (concave, convex, none): None Slope %: 5
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42°,40',48.17"N	Long: 73°,56',49.82"W Datum:
Soil Map Unit Name: Udorthents, Loamy	NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
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.)	in you, opasition (rottering ette 15)
Remarks. (Explain alternative procedures here of in a separate report.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres of	
Drift Deposits (B3) Presence of Reduced Inc.	
Algal Mat or Crust (B4) Recent Iron Reduction in	<u> </u>
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): (includes capillary fringe)	: Wetland Hydrology Present? Yes No _X
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Describe Necorded Data (stream gauge, monitoring well, aerial priotos, pre	inous inspections, ii available.
Remarks:	
I .	

Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
10	Yes	FAC	Number of Dominant Species
10	Yes	FAC	That Are OBL, FACW, or FAC:3(A)
			Total Number of Dominant
			Species Across All Strata: 8 (B)
			Percent of Dominant Species That Are OBL, FACW, or FAC: 37.5% (A/E
			Prevalence Index worksheet:
20	=Total Cover		Total % Cover of: Multiply by:
			OBL species x 1 =
5	Yes	UPL	FACW species x 2 =
5	Yes	FACU	FAC species x 3 =
			FACU species x 4 =
			UPL species x 5 =
			Column Totals: (A) (E
			Prevalence Index = B/A =
			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
20	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporti
20	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.
70	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
	10101 00101		
5	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft height.
			Tio.gra
			Hydrophytic
			Vegetation Present? Yes No X_
	10 5 5 5 10 20 20 20	10 Yes	10 Yes FAC 20 =Total Cover 5 Yes UPL 5 Yes FACU 10 =Total Cover 30 Yes FACU 20 Yes FACU 20 Yes FACU 70 =Total Cover

SOIL Sampling Point XGR-A-Up

		o the de				tor or co	nfirm the absence of	indicators.)
Depth	Matrix Color (moist)	%		x Featur		Loc ²	Toyturo	Domarko
(inches)	Color (moist)		Color (moist)		Type ¹	LOC	Texture	Remarks
0-12	10YR 5/3	100						
-								
¹Type: C=Co	ncentration, D=Deple	etion. RM	1=Reduced Matrix. N	—— ∕S=Mas	ked Sand	Grains.	² Location: PI	L=Pore Lining, M=Matrix.
Hydric Soil I			, , , , , , , , , , , , , , , , , , , ,					or Problematic Hydric Soils ³ :
Histosol (Polyvalue Belo	w Surfa	ce (S8) (l	LRR R.		ck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		() (.,		airie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	•	(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)
	Layers (A5)		Loamy Mucky			-		k Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			, –,		iganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	(,	Depleted Matri	•	. –,			t 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)
	edox (S5)		Redox Depres					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		,			xplain in Remarks)
Dark Sur				, ,			`	-/
	, ,							
3Indicators of	hydrophytic vegetation	on and w	etland hydrology mi	ust be pr	esent, ur	nless dist	urbed or problematic.	
	.ayer (if observed):		,		· ·			
Type:	,							
Depth (in	ichae):						Hydric Soil Presen	nt? Yes No X
							Tiyunc 3011 Fresen	165 NO X
Remarks:			Land New House Dead				0.0 (- ! - - - ND0	OO Field Indicate a still die Oelle
	n is revised from Nor 2015 Errata. (http://w							S Field Indicators of Hydric Soils,
VC131011 7.0, 2	2010 Enata. (http://w	ww.iii63.	usua.gov/interneer v	3L_D00	OWILITI	0/11/03 1 4/	EPZ_001230.000X)	



Upland XGR-A - View facing Southeast



Upland XGR-A - View facing Southeast

Phase 2

SITE PHOTOGRAPHS

Project/Site: CHPE Phase 5	City/County: <u>Sche</u>	enectady	Sampling Date: <u>11/15/21</u>
Applicant/Owner: <u>CHA</u>		State: <u>NY</u>	Sampling Point: <u>CA-3</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): LRRR La	t: <u>42.67480</u>	Long:73.94350	Datum: NAD83
Soil Map Unit Name:		NWI classi	fication: PFM
Are climatic / hydrologic conditions on the site typical	for this time of year? Yes 1	No (If no, explain in	Remarks.)
Are Vegetation NO , Soil NO , or Hydrology NO	significantly disturbed?	Are "Normal Circumstances	" present? Yes 🔲 No 🔲
Are Vegetation NO, Soil NO, or Hydrology NO		(If needed, explain any ansv	
SUMMARY OF FINDINGS – Attach site r	nap showing sampling poi	nt locations, transec	ts, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative procedures here or in Wetland CA	No		<u> </u>
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; chee	1	Surface So	cators (minimum of two required) bil Cracks (B6)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living I Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)	Moss Trim Dry-Seaso Crayfish Bi Saturation Stunted or Geomorph Shallow Ad	Patterns (B10) Lines (B16) In Water Table (C2)
Field Observations: Surface Water Present? Yes No	Depth (inches): 1		
Water Table Present? Yes X No C	Depth (inches): 8		
Saturation Present? Yes 🗵 No 🗌	_ Depth (inches): 3	 Wetland Hydrology Pres	ent? Yes 🗵 No 🗌
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring	well aerial photos, previous inspec	tions) if available:	
Describe Necorded Data (stream gauge, monitoring	well, aeriai priotos, previous irispec	iions), ii avallable.	
Remarks: Previously delineated			

Tree Stratum (Plot size: 30)	Absolute	Dominant Indicator Species? Status	Dominance Test worksheet:
		- ▼ - ▼	Number of Dominant Species
1			That Are OBL, FACW, or FAC: (A)
			Total Number of Dominant
3			Species Across All Strata: (B)
4			Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
5			That Are Obl., I AGW, OF AC.
6			Prevalence Index worksheet:
7			Total % Cover of: Multiply by:
		= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15			FACW species x 2 =
1. Salix spp.	30	YES ▼ FACW ▼	FAC species x 3 =
2. <u>Cornus alba</u>	30	YES ▼ FACW ▼	FACU species x 4 =
3			UPL species x 5 = Column Totals: (A) (B)
4			Column rotals (A) (B)
5			Prevalence Index = B/A =
6			Hydrophytic Vegetation Indicators:
7			1 - Rapid Test for Hydrophytic Vegetation
		= Total Cover	2 - Dominance Test is >50%
Harb Strature (Diet size) 5		- Total Cover	3 - Prevalence Index is ≤3.0 ¹
Herb Stratum (Plot size: 5) 1. Phragmites australis	00	VES FACINITIES	4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Typha latifolia		=	Problematic Hydrophytic Vegetation (Explain)
3. Oncoclea sensibilis			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4			Definitions of Vegetation Strata:
5			
6			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
7			
8			Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9		- -	
10		<u>-</u>	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11		<u> </u>	Woody vines – All woody vines greater than 3.28 ft in
12		<u>-</u> -	height.
	<u>100</u>	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1			
2.			Hydrophytic
3.			Vegetation Present? Yes ⊠ No □
4			
T		= Total Cover	
Remarks: (Include photo numbers here or on a separate		- Total Cover	
Tremands. (morade photo numbers here of on a separate	311001.)		

Sampling Point: <u>CA-3</u>

SOIL Sampling Point: <u>CA-3</u>

Profile Desc	ription: (Describe	to the de	pth needed to docur	nent the ir	ndicator	or confirm	n the absence of indicators.)
Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	x Features %		_Loc ² _	Texture Remarks
<u>(incries)</u> 0-7	10YR/3/1	70	10yr/4/6	<u> </u>	<u>rype</u>	LOC -	SICL Prominent redox
7-16	10yr/5/1	80	10yr/5/6	20			SiCL
					-	-	
						-	
							<u> </u>
					-	-	
					_	-	
					_		
					_	_	
						_	
		. ——				_	·
1Typo: C=Cc	ncontration D-Don	lotion PN	=Reduced Matrix, MS	———— S=Maskod	Sand Gr	oine	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil I		letion, Riv	i-Reduced Matrix, Mis	3-Waskeu	Sand Gi	airis.	Indicators for Problematic Hydric Soils ³ :
Histosol			Polyvalue Below		(S8) (LRI	₹R,	2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa	•	RR R, M	LRA 149B	
	n Sulfide (A4)		Loamy Mucky N			, L)	Dark Surface (S7) (LRR K, L, M)
	l Layers (A5) l Below Dark Surfac	o (A11)	Loamy Gleyed Depleted Matrix)		Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)
	rk Surface (A12)	5 (A11)	Redox Dark Su				Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface (F	7)		Piedmont Floodplain Soils (F19) (MLRA 149B)
	leyed Matrix (S4)		Redox Depress	ions (F8)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5) Matrix (S6)						☐ Red Parent Material (F21) ☐ Very Shallow Dark Surface (TF12)
	face (S7) (LRR R, I	/ILRA 149	B)				Other (Explain in Remarks)
³ Indicators of	hydrophytic vegeta	tion and w	etland hydrology mus	st be prese	ent, unless	s disturbed	d or problematic.
	.ayer (if observed):						
Type:			-				
Depth (inc	ches):		-				Hydric Soil Present? Yes 🔀 No 🔲
Remarks:							



Wetland CA - Soils

SITE PHOTOGRAPHS

Project/Site: CHPE Phase 5	City/County: Sch	enectady	Sampling Date: 11/16/21
Applicant/Owner: <u>CHA</u>		State: <u>NY</u>	Sampling Point: <u>DA-3</u>
Investigator(s): Nick Dominic, Justn Williams	Section, Township	o, Range: <u>Schenectady</u>	
Landform (hillslope, terrace, etc.):	Local relief (concave	, convex, none):	Slope (%):
Subregion (LRR or MLRA): LRRR	Lat: <u>42.67076</u>	Long: <u>-73.93899</u>	Datum: NAD83
Soil Map Unit Name:		NWI clas	sification:_PFM
Are climatic / hydrologic conditions on the sit	e typical for this time of year? Yes X	No (If no, explain	in Remarks.)
Are Vegetation NO, Soil NO ▼, or Hydr	ology NO significantly disturbed?	Are "Normal Circumstance	es" present? Yes 🗵 No 🔲
Are Vegetation NO , Soil NO , or Hydr	ology NO naturally problematic?	(If needed, explain any an	swers in Remarks.)
SUMMARY OF FINDINGS – Attac	h site map showing sampling po	int locations, transe	cts, important features, etc.
Hydric Soil Present?	es No within a W es No If yes, option	npled Area /etland? Yes onal Wetland Site ID:	⊠ No □
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is requ	red; check all that apply)		dicators (minimum of two required) Soil Cracks (B6)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled States Thin Muck Surface (C7) Other (Explain in Remarks)	Drainage Moss Tri Dry-Sease Crayfish Roots (C3) Saturatic Stunted of Geomory Shallow Microtop	Patterns (B10) m Lines (B16) son Water Table (C2) Burrows (C8) or Visible on Aerial Imagery (C9) or Stressed Plants (D1) ohic Position (D2) Aquitard (D3) ographic Relief (D4) utral Test (D5)
Field Observations: Surface Water Present? Yes	No Depth (inches): 1		
Water Table Present? Yes	: ' ' ' '		
Saturation Present? Yes 🗵	No Depth (inches): surface	Wetland Hydrology Pre	esent? Yes 🗵 No 🗌
(includes capillary fringe) Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspec	l ctions), if available:	
Remarks:			

Tree Stratum (Plot size: 30)	Absolute	Dominant Indicator Species? Status	Dominance Test worksheet:
		- ▼ - ▼	Number of Dominant Species
1			That Are OBL, FACW, or FAC: 3 (A)
			Total Number of Dominant Species Across All Strata: 4 (B)
3			Species Across All Strata: 4 (B)
4			Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
5			That Are Obl., I AGW, OF AC.
6		- -	Prevalence Index worksheet:
7			Total % Cover of: Multiply by:
		= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15)			FACW species x 2 =
1. <u>Lonicera spp.</u>	50	YES ▼ FACU ▼	FAC species x 3 =
2. <u>Cornus alba</u>	40	YES ▼ FACW ▼	FACU species x 4 =
3			UPL species x 5 = Column Totals: (A) (B)
4			Column rotals (A) (B)
5			Prevalence Index = B/A =
6			Hydrophytic Vegetation Indicators:
7			1 - Rapid Test for Hydrophytic Vegetation
		= Total Cover	2 - Dominance Test is >50%
Horb Ctratum (Distains, 5	-	- Total Cover	3 - Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: 5) 1. Onoclea sensibilis	20	YES FACW ▼	4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2. Lythrum salicaria		_ =	Problematic Hydrophytic Vegetation (Explain)
3			
			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4			Definitions of Vegetation Strata:
5			-
6			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
7			
8		<u>-</u>	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9		<u> </u>	. ,
10		<u>-</u>	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11		<u> </u>	Woody vines All woody vines spectar than 2.29 ft in
12		<u>-</u> -	Woody vines – All woody vines greater than 3.28 ft in height.
	100	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1			
2			Hydrophytic
3			Vegetation Present? Yes ⊠ No □
4			
T		= Total Cover	
Remarks: (Include photo numbers here or on a separate	sheet)	- Total Cover	
Tremaine. (include photo humbers here of on a separate	Silcot.)		

Sampling Point: DA-3

SOIL Sampling Point: DA-3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Red	ox Features	3			
(inches)	Color (moist)	%_	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	10YR/3/1		10yr/4/6		_	_	SiCL	Prominent redox
0-14	1011(/3/1		10311410				SIGE	TTOTIMETITECOX
					_	_		
	-		-					
					<u> </u>			
					-	-		
					-	-		
					-	-		
1Type: C=C	oncentration, D=Depl	otion DM		. ——— IS-Maakad	Sand Cr		² l costion	n: PL=Pore Lining, M=Matrix.
Hydric Soil		euon, Rivi	-Reduced Matrix, IV	io-iviaskeu	Sand Gi	ams.		s for Problematic Hydric Soils ³ :
			п а а.		(00) (1 =		_	•
Histosol			Polyvalue Belo		(S8) (LR	R R,	_	Muck (A10) (LRR K, L, MLRA 149B)
_	pipedon (A2)		MLRA 149E	,				Prairie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf					Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Mucky			i, L)	_	Surface (S7) (LRR K, L, M)
	Layers (A5)		Loamy Gleyed)		_	alue Below Surface (S8) (LRR K, L)
_	Below Dark Surface	(A11)	Depleted Matr				_	Dark Surface (S9) (LRR K, L)
_	ark Surface (A12)		Redox Dark S				_	langanese Masses (F12) (LRR K, L, R)
_	lucky Mineral (S1)		Depleted Dark	•	7)			nont Floodplain Soils (F19) (MLRA 149B)
	Sleyed Matrix (S4)		Redox Depres	sions (F8)			_	Spodic (TA6) (MLRA 144A, 145, 149B)
	edox (S5)						_	arent Material (F21)
	Matrix (S6)						_	Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, M	LRA 149	B)				<u> </u>	(Explain in Remarks)
3								
	hydrophytic vegetati	on and w	etland hydrology mu	ist be prese	ent, unles	s disturbed	or problemati	С.
Restrictive I	_ayer (if observed):							
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes 🗵 No 🔲
Remarks:								
remans.								



Wetland DA - Soils

SITE PHOTOGRAPHS

Project/Site: CHPE Phase 5	City/County: Haverstraw Sampling Date: 11/16/2021
Applicant/Owner: CHA	State: NY Sampling Point: CA-17 DA-1 Uplanc
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
- 11	relief (concave, convex, none): Slope %:
	Long: -73.94350 Datum: NAD83
Soil Map Unit Name: Burdett 85%	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 Hydrologysignificantly distur	
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes 0 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 of Wetland DA and CA	
HYDROLOGY	
	On any limit to the control of the c
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 Leaves (I	Surface Soil Cracks (B6) B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) ———————————————————————————————————	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced Inc.	
Algal Mat or Crust (B4) Recent Iron Reduction in	n Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	rks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches):	:
Water Table Present? Yes No _X Depth (inches):	
Saturation Present? Yes No X Depth (inches):	: Wetland Hydrology Present? Yes No _X_
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
1. Quercus rubra	30	Yes	FACU	Number of Dominant Species
2. Acer saccharinum	30	Yes	FACU_	That Are OBL, FACW, or FAC:1 (A)
3				Total Number of Dominant
4.				Species Across All Strata: 5 (B)
_				
		· ——		Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B)
		· ——		
7				Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Lonicera spp.	50	Yes	FACU	FACW species 0 x 2 = 0
2				FAC species 20 x 3 = 60
3.				FACU species 150 x 4 = 600
4				UPL species 0 x 5 = 0
5.				Column Totals: 170 (A) 660 (B)
				Prevalence Index = B/A = 3.88
<u> </u>				
7				Hydrophytic Vegetation Indicators:
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				2 - Dominance Test is >50%
1. Solidago spp.	40	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Rosa multiflora	20	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3.	'			data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
		-		be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	60	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)		•		
				Woody vines – All woody vines greater than 3.28 ft in height.
				Height.
2.				Hydrophytic
3				Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			•

Sampling Point: 4-17 DA-1 Upla

Depth	Matrix	io ine de	=	Featur		itor or co	onfirm the absence of	indicators.)
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-7	10yr 3/1	100					Loamy/Clayey	
7-16	10yr 5/1	100					Loamy/Clayey	
		100						
								_
¹ Type: C=Co	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, M	S=Mas	ked Sand	d Grains.	² Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators fo	or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belov		ce (S8) (I	RR R,		ck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)					rairie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surfa					cky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4) I Layers (A5)		High Chroma S Loamy Mucky N			-		e Below Surface (S8) (LRR K, L) k Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed			(()		nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	, (, , , ,	X Depleted Matrix		/			t Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		- 6)			podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	ileyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	ent Material (F21)
	edox (S5)		Redox Depress	ions (F	8)		Very Sha	allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LRF	R K, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
3Indicators of	f hydrophytic yegetat	ion and w	etland hydrology mu	et he ni	recept ur	aloce diet	curbed or problematic.	
	Layer (if observed):		retaild flydrology fild	at be p	esent, ui	ileaa ulat	dibed of problematic.	
Type:								
	nches):						Hydric Soil Preser	nt? Yes No_X
Remarks:							-	
remains.								



Upland CA/DA – Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

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

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

Project/Site: CHPE		City/County: Guilder	land/Albany	Sampling Date: 8/25/22
Applicant/Owner: TDI			State: NY	Sampling Point: P5-S-10 Wet
Investigator(s): C. Scrivner & J. Greaves		Section, To	wnship, Range:	<u> </u>
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve	ex. none). Concave	Slope %: 1
Subregion (LRR or MLRA): LRR R	Lat: 42 39'57"N	•	-73 56'10"W	' Datum: WGS84
Soil Map Unit Name: BuB - Burdett silt loam,				
·		Voc. v		
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	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	P5-S near flag P5-S-10
Remarks: (Explain alternative procedures he Red maple hardwood swamp.	re or in a separate report.)			
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 (B	i9)	x Drainage Patterns (
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	16)
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (C	28)
Sediment Deposits (B2)	Oxidized Rhizospheres or	• ,		n Aerial Imagery (C9)
— Drift Deposits (B3)	Presence of Reduced Iron	` '	Stunted or Stressed	·
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	x Geomorphic Positio	
Iron Deposits (B5)	Thin Muck Surface (C7)	X.	Shallow Aquitard (D	·
Inundation Visible on Aerial Imagery (B7	· ` ` `	.s)	Microtopographic Ro	
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (I	J5)
Field Observations: Surface Water Present? Yes	No v Donth (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 X No
(includes capillary fringe)	NO x Dopar (mones).	— ""	a riyarology r roother	165 <u>//</u> 110
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if	available:	
, , ,		,		
Remarks:				

				Sampling Point: P5-S-10 Wet			
Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Ulmus americana	35	Yes	FACW	Number of Dominant Species			
2. Fraxinus pennsylvanica	10	No	FACW	That Are OBL, FACW, or FAC:	6 (A)		
3. Alnus incana	10	No	FACW	Total Number of Dominant			
4. Quercus bicolor	5	No	FACW	Species Across All Strata:	8 (B)		
5.				Percent of Dominant Species	_		
6.				That Are OBL, FACW, or FAC:	75.0% (A/B)		
7.				Prevalence Index worksheet:			
	60	=Total Cover		Total % Cover of:	fultiply by:		
Sapling/Shrub Stratum (Plot size:15')		_		OBL species 15 x 1 =	15		
1. Cornus amomum	25	Yes	FACW	FACW species 185 x 2 =	370		
2. Alnus incana	15	Yes	FACW	FAC species 40 x 3 =	120		
3. Rhamnus cathartica	15	Yes	FAC	FACU species 30 x 4 =	120		
4. Lonicera morrowii	15	Yes	FACU	UPL species 0 x 5 =	0		
5. Ulmus americana	10	No	FACW	Column Totals: 270 (A)	625 (B)		
6. Fraxinus pennsylvanica	10	No	FACW	Prevalence Index = B/A =	2.31		
7.				Hydrophytic Vegetation Indicators	 :		
	90	=Total Cover		1 - Rapid Test for Hydrophytic V	egetation		
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%			
1. Solidago gigantea	35	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹			
2. Cornus amomum	20	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting			
3. Toxicodendron radicans	15	No	FAC	data in Remarks or on a sepa	rate sheet)		
4. Carex gynandra	15	No	OBL	Problematic Hydrophytic Vegeta	tion ¹ (Explain)		
5. Prunella vulgaris	10	No	FAC	1 In disease of budging all and washend			
6. Anemone canadensis	5	No	FACW	¹ Indicators of hydric soil and wetland be present, unless disturbed or prob			
7. Eupatorium perfoliatum	5	No	FACW	Definitions of Vegetation Strata:			
8.				To a Was to plants 0 in (7.0 and)			
9.				Tree – Woody plants 3 in. (7.6 cm) of diameter at breast height (DBH), reg			
10.							
11.				Sapling/shrub – Woody plants less and greater than or equal to 3.28 ft (
12.					,		
·-·	105	=Total Cover		Herb – All herbaceous (non-woody) of size, and woody plants less than 3			
Woody Vine Stratum (Plot size: 30')	100	-					
Celastrus orbiculatus	15	Yes	FACU	Woody vines – All woody vines greatheight.	ater than 3.28 ft in		
		103	1700	neight.			
3.				Hydrophytic			
4.				Vegetation Present? Yes X No			
T	15	=Total Cover		Present? Yes X No	'		
Remarks: (Include photo numbers here or on a sepa		•		L			

SOIL Sampling Point P5-S-10 Wet

Depth	Matrix		-	κ Featur	es		onfirm the absence o	,
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 2/1	100					Loamy/Clayey	
5-10	2.5Y 3/2	85	2.5Y 6/6	10	c	m	Loamy/Clayey	Prominent redox concentrations
			10YR 5/4	5	c	m_		Distinct redox concentrations
10-16	2.5Y 6/1	60	10YR 6/8	40	<u> </u>	<u>m</u>	Loamy/Clayey	Prominent redox concentrations
				_				
1Type: C=Co	oncentration, D=Deple		——————————————————————————————————————	 S-Mas	——— ked San	———	² l ocation: F	PL=Pore Lining, M=Matrix.
Hydric Soil I		suon, ixiv	1-Neduced Matrix, M	3-IVIASI	Neu Sair	u Grairis.		for Problematic Hydric Soils ³ :
Histosol			Dark Surface (S	37)				uck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Polyvalue Belov		ce (S8) (LRR R,		Prairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		MLRA 149B))			5 cm M	ucky Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		Thin Dark Surfa	ace (S9)) (LRR R	, MLRA	149B) Polyvalı	ue Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		High Chroma S	ands (S	S11) (LR	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
X Depleted	l Below Dark Surface	(A11)	Loamy Mucky N	/lineral	(F1) (LR	R K, L)	Iron-Ma	nganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix ((F2)		Piedmo	nt Floodplain Soils (F19) (MLRA 149B)
Mesic Sp	oodic (A17)		X Depleted Matrix	۲ (F3)			Red Par	rent Material (F21) (outside MLRA 145)
(MLR	A 144A, 145, 149B)		X Redox Dark Su	rface (F	- 6)		Very Sh	nallow Dark Surface (F22)
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	e (F7)		Other (E	Explain in Remarks)
Sandy G	leyed Matrix (S4)		Redox Depress	ions (F	8)			
Sandy R	edox (S5)		Marl (F10) (LRF	R K, L)			³ Indicate	ors of hydrophytic vegetation and
Stripped	Matrix (S6)		Red Parent Ma	terial (F	21) (ML	RA 145)		nd hydrology must be present, s disturbed or problematic.
Restrictive L	ayer (if observed):						unies	s disturbed or problematic.
Type: _								
Depth (in	nches):						Hydric Soil Prese	ent? Yes X No
Remarks:								

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: P5-T Wet		
Investigator(s): C. Scrivner & J. Greaves		Section, To	wnship, Range:	<u> </u>		
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve	ex, none): Concave	Slope %: 2		
Subregion (LRR or MLRA): LRR R	Lat: 42 39'55"N	•	-73 56'08"W	Datum: WGS84		
Soil Map Unit Name: BuB - Burdett silt loam,			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 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 <u>X</u>	No		
Wetland Hydrology Present?	Yes X No	If yes, optional We	etland Site ID: Wetland	P5-T near flag P5-T-7		
Remarks: (Explain alternative procedures he Red maple hardwood swamp.	ere or in a separate report.)					
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (n	ninimum of two required)		
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks	s (B6)		
Surface Water (A1)	x Water-Stained Leaves (B	9)	x Drainage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (C	·		
Sediment Deposits (B2)	Oxidized Rhizospheres or	• ,		n Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron	` '	Stunted or Stressed Plants (D1)			
Iron Deposits (B5)	Algal Mat or Crust (B4) Recent Iron Reduction in T			led Soils (C6) <u>x</u> Geomorphic Position (D2) Shallow Aquitard (D3)		
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Other (Explain in Remarks)			Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B.	· — · · · ·	.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	No x Depth (inches):		d Hydrology Present?	Yes X No		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						

/EGETATION – Use scientific names of pla	Sampling Point:	P5-T 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. Fraxinus americana	10	No	FACU	That Are OBL, FACW, or FAC:	7 (A)	
3. Quercus bicolor	5	No	FACW	Total Number of Dominant		
4. Populus deltoides	5	No	FAC	Species Across All Strata:	10 (B)	
5				Percent of Dominant Species		
6				•	70.0% (A/B)	
7				Prevalence Index worksheet:		
	70	=Total Cover		Total % Cover of: Mu	ıltiply by:	
Sapling/Shrub Stratum (Plot size:15')				OBL species0 x 1 =	0	
1. Ulmus americana	15	Yes	FACW	FACW species 105 x 2 =	210	
2. Fraxinus pennsylvanica	15	Yes	FACW	FAC species50 x 3 =	150	
3. Rhamnus cathartica	15	Yes	FAC	FACU species 55 x 4 =	220	
4. Lonicera morrowii	15	Yes	FACU	UPL species0 x 5 =	0	
5.				Column Totals: 210 (A)	580 (B)	
6.				Prevalence Index = B/A =	2.76	
7.				Hydrophytic Vegetation Indicators:		
	60	=Total Cover		1 - Rapid Test for Hydrophytic Ve	getation	
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%		
1. Solidago gigantea	15	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹		
2. Lonicera morrowii	15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting		
3. Rhamnus cathartica	10	Yes	FAC	data in Remarks or on a separa	ate sheet)	
4. Persicaria virginiana	10	Yes	FAC	Problematic Hydrophytic Vegetation	on ¹ (Explain)	
5. Geranium maculatum	5	No	FACU	¹ Indicators of hydric soil and wetland hydrology must		
6. Toxicodendron radicans	5	No	FAC	be present, unless disturbed or problematic.		
7. Viburnum recognitum	5	No	FAC	Definitions of Vegetation Strata:		
8. Galium mollugo	5	No	FACU	Tree – Woody plants 3 in (7.6 cm) or	more in	
9. Fraxinus pennsylvanica	5	No	FACW	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 th	nan 3 in DRU	
11.				and greater than or equal to 3.28 ft (1		
12.				Harb All barbassaus (non woody) pl	lanta ragardiasa	
	75	=Total Cover		Herb – All herbaceous (non-woody) pl of size, and woody plants less than 3.3		
Woody Vine Stratum (Plot size: 30')		•		N/ - decide - Alleren decide - and -	th 0.00 ft in	
1. Celastrus orbiculatus	5	Yes	FACU	Woody vines – All woody vines greate height.	er than 3.28 π in	
2.						
3.				Hydrophytic		
4.				Vegetation Present? Yes X No		
	5	=Total Cover				
Remarks: (Include photo numbers here or on a sepa	rate sheet.)	-		1		
•	,					

SOIL Sampling Point P5-T Wet

Depth	Matrix		-	x Featur		101 01 0	omirm the absence o	indicators.)
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 3/1	90	10YR 4/6	_10_	c	m_	Loamy/Clayey	Prominent redox concentrations
7-17	10YR 4/1	70	10YR 5/3	30	c	<u>m</u>	Loamy/Clayey	Distinct redox concentrations
				_				
		<u> </u>		_	<u> </u>	<u> </u>		
					_			
¹ Type: C=Co	oncentration, D=Depl	etion, RN	 //=Reduced Matrix, N	—— ∕/S=Mas	 ked Sand	Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Black Hi Hydroge Stratified X Depleted Thick Da Mesic Sp (MLR Sandy M Sandy G Sandy R Stripped	(A1) pipedon (A2)	e (A11)	Dark Surface (Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri X Redox Dark St Depleted Dark x Redox Depress Marl (F10) (LR Red Parent Ma	ow Surfa ace (S9 Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)) (LRR R 611) (LRI (F1) (LRI F2) 	, MLRA ⁻ R K, L) R K, L)	2 cm Mi Coast P 5 cm Mi Polyvalu Thin Da Iron-Ma Piedmoi Red Pai Very Sh Other (E	for Problematic Hydric Soils ³ : Luck (A10) (LRR K, L, MLRA 149B) Irrairie Redox (A16) (LRR K, L, R) Lucky Peat or Peat (S3) (LRR K, L, R) Lucky Peat or Peat (S8) (LRR K, L) Irk Surface (S9) (LRR K, L) Inganese Masses (F12) (LRR K, L, R) Int Floodplain Soils (F19) (MLRA 149B) Irent Material (F21) (outside MLRA 145) allow Dark Surface (F22) Explain in Remarks) Dors of hydrophytic vegetation and Ind hydrology must be present, Is disturbed or problematic.
Depth (ir	nches):						Hydric Soil Prese	nt? Yes X No
Remarks:								

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: P5-S & T 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 %: 3
Subregion (LRR or MLRA): LRR R	Lat: 42 39'56"N	•	-73 56'09"W	Datum: WGS84
Soil Map Unit Name: BuB - Burdett silt loam,			NWI classification:	
Are climatic / hydrologic conditions on the site		Yes x		explain in Remarks.)
, ,	,,		`	
Are Vegetation, Soil, or Hydrold			nal Circumstances" prese	
Are Vegetation, Soil, or Hydrolo	<u> </u>		d, explain any answers in	·
SUMMARY OF FINDINGS – Attach s	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	tland Site ID: Upland ad	jacent to Wetlands P5-S & P5-T
Mowed powerline ROW. Shared upland point				
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 (BS	,9)	Drainage Patterns (•
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	·
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	
Water Marks (B1)	Hydrogen Sulfide Odor (C		Crayfish Burrows (C	,
Sediment Deposits (B2)	Oxidized Rhizospheres or			n Aerial Imagery (C9)
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Reduced Iron Recent Iron Reduction in	` '	Stunted or Stressed Geomorphic Positio	
Iron Deposits (B5)	Thin Muck Surface (C7)	Tilled Oolis (Oo)	Shallow Aquitard (D	` '
Inundation Visible on Aerial Imagery (B7)		(8)	Microtopographic R	·
Sparsely Vegetated Concave Surface (B8		,	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 x Depth (inches):	Wetlan	d Hydrology Present?	Yes No _X_
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, prev	vious inspections), if	available:	
Remarks:				

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)
	Percent of Dominant Species
	That Are OBL, FACW, or FAC: 0.0% (A/B)
	Prevalence Index worksheet:
	Total % Cover of: Multiply by:
	OBL species0 x 1 =0
	FACW species 0 x 2 = 0
	FAC species 5 x 3 = 15
	FACU species 90 x 4 = 360
	UPL species 5 x 5 = 25
	Column Totals: 100 (A) 400 (B
	Prevalence Index = B/A = 4.00
	Hydrophytic Vegetation Indicators:
	1 - Rapid Test for Hydrophytic Vegetation
	2 - Dominance Test is >50%
FACU	3 - Prevalence Index is ≤3.0 ¹
FACU	4 - Morphological Adaptations ¹ (Provide supportin
UPL	data in Remarks or on a separate sheet)
FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
FACU	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.
	- Harb All barbassaya (non woody) plants regardless
	 Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	Mandusines All woods vince greater than 2.29 ft is
	Woody vines – All woody vines greater than 3.28 ft in height.
	Hydrophytic
	Vegetation Present? Yes No X
	-

SOIL Sampling Point P5-S & T Upl

Profile Desc Depth	ription: (Describe to Matrix	o the de		ument th ox Featur		ator or co	onfirm the absence o	f indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	5
0-2	10YR 4/3	100					Loamy/Clayey		
2-10	10YR 5/3	90	10YR 5/8	10	С	m	Loamy/Clayey	Prominent redox co	ncentrations
1Type: C=Cc	oncentration, D=Deple			MS-Mac	Led Sand		² Location: P	L=Pore Lining, M=Matri	iv
Hydric Soil I		suon, ran	1-I teduced Matrix, I	VIO-IVIASI	Neu Gan	J Grains.		or Problematic Hydric	_
Histosol			Dark Surface	(S7)				ck (A10) (LRR K, L, M I	
	ipedon (A2)		Polyvalue Belo		ce (S8) (LRR R,		airie Redox (A16) (LRF	· ·
Black His			MLRA 149E	3)			5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydrogei	n Sulfide (A4)		Thin Dark Sur	face (S9)) (LRR R	, MLRA 1	I 49B) Polyvalu	e Below Surface (S8) (I	LRR K, L)
Stratified	Layers (A5)		High Chroma	-			Thin Dar	k Surface (S9) (LRR K	, L)
	Below Dark Surface	(A11)	Loamy Mucky			R K, L)		nganese Masses (F12)	
	rk Surface (A12)		Loamy Gleyed		F2)			nt Floodplain Soils (F19	
	oodic (A17)		Depleted Matr					ent Material (F21) (outs	
	A 144A, 145, 149B) lucky Mineral (S1)		Redox Dark S Depleted Dark	-	-			allow Dark Surface (F22 xplain in Remarks)	2)
	leyed Matrix (S4)		Redox Depres				Other (E	Apiaiii iii Neiliaiks)	
	edox (S5)		Marl (F10) (LF	-	0)		³ Indicato	rs of hydrophytic veget	ation and
	Matrix (S6)		Red Parent M	•	21) (MLF	RA 145)		d hydrology must be pr	
	, ,			,	, ,	,	unless	disturbed or problemat	tic.
Restrictive L	ayer (if observed):								
Type:									
Depth (in	nches):						Hydric Soil Preser	nt? Yes	No X
Remarks:									

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Phase 5	City/County: <u>Sche</u>	enectady	Sampling Date:_ <u>11/16/21</u>
Applicant/Owner: <u>CHA</u>		State: <u>NY</u>	Sampling Point: <u>FA-1</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): LRR R Lat	:: <u>42.66320</u>	Long: <u>-73.93409</u>	Datum: NAD83
Soil Map Unit Name:		NWI classi	ification:_PFM
Are climatic / hydrologic conditions on the site typical f	for this time of year? Yes 🔼 🛚 🗈	No (If no, explain in	ı Remarks.)
Are Vegetation NO, Soil NO, or Hydrology NO	significantly disturbed?	Are "Normal Circumstances	s" present? Yes 🗵 No 🔲
Are Vegetation NO , Soil NO , or Hydrology NO	naturally problematic?	(If needed, explain any ansv	wers in Remarks.)
SUMMARY OF FINDINGS – Attach site n	nap showing sampling poi	nt locations, transec	ts, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative procedures here or in Wetland EA	No Within a W If yes, option		<u>No □</u>
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; chec	ck all that apply)		icators (minimum of two required) oil Cracks (B6)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations:	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living I Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)	Drainage F Moss Trim Dry-Seaso Crayfish B Roots (C3) Saturation Stunted or Dils (C6) Drainage F	Patterns (B10) I Lines (B16) In Water Table (C2) Furrows (C8) Visible on Aerial Imagery (C9) Testressed Plants (D1) Inic Position (D2) Iquitard (D3) Igraphic Relief (D4)
Surface Water Present? Yes X No	_ Depth (inches): 1		
Water Table Present? Yes X No	_ Depth (inches): 6		
Saturation Present? Yes X No X (includes capillary fringe)	_ Depth (inches): surface	Wetland Hydrology Pres	ent? Yes 🗵 No 🗌
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous inspec	tions), if available:	
Remarks:			
Tremains.			

			Sampling Point: <u>EA-1</u>
<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Indica	tus
1		<u> </u>	Number of Dominant Species That Are OBL, FACW, or FAC: _3(A)
2		<u> </u>	Total Number of Dominant
3			Species Across All Strata: 4 (B)
4		<u> </u>	
5			That Are OBL, FACW, or FAC: (A/B)
6			Prevalence Index worksheet:
7			
		= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15)			FACW species x 2 =
1. <u>Lonicera spp.</u>	30	YES ▼ FACU	FAC species x 3 =
2. <u>Cornus alba</u>		=	FACU species x 4 =
3			UPL species x 5 =
4			Column Totals: (A) (B)
5			Dravelance Index = D/A =
6			T 4 Daniel Took for Hudrouk, die Monstellier
7			2 - Dominance Test is >50%
_		= Total Cover	3 - Prevalence Index is ≤3.0 ¹
Herb Stratum (Plot size: 5) 1. Onoclea sensibilis	10	YES FAC	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. <u>Lythrum salicaria</u>			Problematic Hydrophytic Vegetation¹ (Explain)
3		=	Indicators of hydric soil and wetland hydrology must
4		_	be present, unless disturbed or problematic.
5			Definitions of Vegetation Strata:
6			
7			at breast height (DRH) regardless of height
8			
9			and greater than or equal to 3.28 ft (1 m) tall.
10			Herb – All herbaceous (non-woody) plants, regardless of
			size, and woody plants less than 3.28 ft tall.
11		<u> </u>	Woody vines – All woody vines greater than 3.28 ft in
12	100	= Total Cover	height.
Mandy Vine Stratum (Plot eine 20	100	- Total Cover	
Woody Vine Stratum (Plot size: 30)			
1		-	Hvdrophytic
2		- -	── Vegetation
		-	Present? Yes No
3			
3 4			

SOIL Sampling Point: <u>EA-1</u>

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	10YR/3/1	_60	10yr/5/6	40			SiCL	Prominent redox
					_	_		
					-	-		
					-			
					-	-		
		·				-		
		·			-	-		
					-	-		
					-			
					-	-		
1- 0.0						<u>-</u>	21	
'Type: C=Co		letion, RM	=Reduced Matrix, Ms	S=Masked	Sand Gr	ains.		r: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :
			П вышения выше	0	(OO) (LD		_	•
Histosol	(A1) pipedon (A2)		Polyvalue Below		(S8) (LR	R K,		Muck (A10) (LRR K, L, MLRA 149B) Prairie Redox (A16) (LRR K, L, R)
Black Hi			☐ Thin Dark Surfa	•	RR R. M	LRA 149B)		Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Loamy Mucky N					Surface (S7) (LRR K, L, M)
	Layers (A5)		Loamy Gleyed			-, -,	_	alue Below Surface (S8) (LRR K, L)
	d Below Dark Surfac	e (A11)	Depleted Matrix		,			erk Surface (S9) (LRR K, L)
_	ark Surface (A12)	` ,	Redox Dark Su				_	anganese Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface (F	7)		_	ont Floodplain Soils (F19) (MLRA 149B)
Sandy G	leyed Matrix (S4)		Redox Depress	ions (F8)	·			Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy R	edox (S5)						Red Pa	arent Material (F21)
Stripped	Matrix (S6)						☐ Very S	Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	ILRA 149	B)				Other	(Explain in Remarks)
³ Indicators of	f hydrophytic vegetat	tion and w	etland hydrology mus	st be prese	ent, unles	s disturbed	or problemation	.
Restrictive I	_ayer (if observed):							
Type:			•					<u>_</u>
Depth (inc	ches):						Hydric Soil	Present? Yes X No
Remarks:								



Wetland EA - Soils

Phase 5

SITE PHOTOGRAPHS

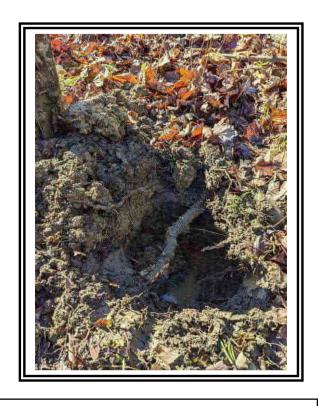
Champlain Hudson Power Express

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE Phase 5	City/County: Schenectady Sampling Date: 11/16/2021
Applicant/Owner: CHA	State: NY Sampling Point: EA-2 DA Upland
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope Local	relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.67076	Long: -73.93899 Datum: NAD83
Soil Map Unit Name:	NWI classification: Upland
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, 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 of Wetland EA and DA	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves ((B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor	(C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced 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 Remai	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches)	: <u></u>
Water Table Present? Yes No X Depth (inches)	; <u> </u>
Saturation Present? Yes No X Depth (inches)	: Wetland Hydrology Present? Yes No_X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

ree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
ree Stratum (Plot size:30) . Quercus rubra	10	Yes	UPL	Dominance Test worksheet.
Fagus grandifolia	20	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Acer saccharinum	20	Yes	FAC	matric obt, i now, or i no.
		165		Total Number of Dominant Species Across All Strata: 6 (B)
		· ——		Species Across All Strata: 6 (B)
				Percent of Dominant Species
	-			That Are OBL, FACW, or FAC: 16.7% (A/E
		-Total Cavan		Prevalence Index worksheet:
odia z Obach Otach oz. / Plataia z	50	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15)				OBL species 0 x 1 = 0
Lonicera spp.	40	Yes	<u>FACU</u>	FACW species 0 x 2 = 0
				FAC species 20 x 3 = 60
				FACU species115 x 4 =460
		·		UPL species10 x 5 =50
				Column Totals: 145 (A) 570 (I
				Prevalence Index = B/A = 3.93
				Hydrophytic Vegetation Indicators:
	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size:5)				2 - Dominance Test is >50%
Solidago sp.	30	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Taraxacum officinale.	25	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporti
				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 Meada plants 2 in (7.0 am) an man in
				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.
2	 55	=Total Cover		Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size: 30)		- Total Gover		
				Woody vines – All woody vines greater than 3.28 ft
	-			height.
				Hydrophytic
				Vegetation
				Present? Yes No_X
		=Total Cover		

		o the de				tor or co	onfirm the absence of indic	cators.)
Depth	Matrix Color (majet)	%		x Featur		Loc ²	Toyturo	Remarks
(inches)	Color (moist)		Color (moist)		Type ¹	LOC	Texture	Remarks
0-14	10yr 3/1	100					Loamy/Clayey	
¹Type: C=Co	ncentration, D=Deple	 etion. RM	=Reduced Matrix. N	 //S=Mas	ked Sand	Grains.	² Location: PL=Por	e Lining, M=Matrix.
Hydric Soil I		,						blematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (l	LRR R.		10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		() (,		Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf		(LRR R	. MLRA		eat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		— High Chroma S					ow Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					face (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			,		se Masses (F12) (LRR K, L, R)
	rk Surface (A12)	(,	Depleted Matri		,			dplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		·6)			(TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark				Red Parent Ma	
	edox (S5)		Redox Depress					Dark Surface (F22)
	Matrix (S6)		 Marl (F10) (LR		,		Other (Explain	
Dark Sur				, ,				•
	,							
3Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	ıst be pı	esent, ur	nless dist	urbed or problematic.	
	ayer (if observed):		, 0,		· ·			
Type:	, ,							
• • •	ches):						Hydric Soil Present?	Yes No_X_
							Tiyunc 3011 Fresent:	
Remarks:								



Upland EA – Soils

Phase 5

SITE PHOTOGRAPHS

Champlain Hudson Power Express

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

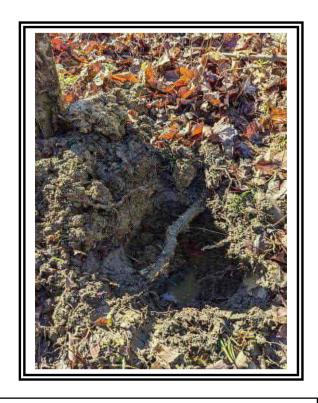
Project/Site: CHPE Phase 5	City/County: Schenectady Sampling Date: 11/16/2021
Applicant/Owner: CHA	State: NY Sampling Point: EA-17 Upland
Investigator(s): Nick Dominic/Justin Williams	Section, Township, Range:
- , ,	ocal relief (concave, convex, none): Slope %:
Subregion (LRR or MLRA): LRR R, MLRA 144B Lat: 42.65920	Long: -73.93151 Datum: NAD83
Soil Map Unit Name:	NWI classification: Upland
Are climatic / hydrologic conditions on the site typical for this time of ye	ar? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly of	
Are Vegetation, Soil, or Hydrology naturally prob	<u></u>
 	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:
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 Leav	<u> </u>
High Water Table (A2) Aquatic Fauna (B13)	· · · · · · · · · · · · · · · · · · ·
Saturation (A3)Marl Deposits (B15	
Water Marks (B1) Hydrogen Sulfide C	
1 	eres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduc	<u>—</u>
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduct Thin Muck Surface	tion in Tilled Soils (C6) Geomorphic Position (D2) (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Re	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No X Depth (inc	phool:
Surface Water Present? Yes No X Depth (inc Water Table Present? Yes No X Depth (inc	
Saturation Present? Yes No X Depth (inc	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos	s, previous inspections), if available:
Remarks:	

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size:30)	% Cover	Species?	Status	Dominance Test worksheet:
1. Pinus stobus	40	Yes	FACU_	Number of Dominant Species
2. Fagus grandifolia	30	Yes	FACU	That Are OBL, FACW, or FAC:1 (A)
3				Total Number of Dominant
4				Species Across All Strata: 5 (B)
5.				Borosat of Dominost Species
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B)
7.				Prevalence Index worksheet:
· -	70	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1 Loninora onn	40	Yes	FACU	FACW species 0 x 2 = 0
1. Lonicera spp.	40	Tes	FACU	
2.				FAC species 30 x 3 = 90
3				FACU species140 x 4 =560
4				UPL species0 x 5 =0
5				Column Totals: 170 (A) 650 (B)
6				Prevalence Index = B/A =3.82
7				Hydrophytic Vegetation Indicators:
	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Solidago sp.	30	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
Taraxacum officinale.	30	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
				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.				Definitions of Vegetation Strata.
				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
	60	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic
4				Vegetation Present?
4.		=Total Cover		1103cm 103 10 _X
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Sampling Point: EA-17 Upland

SOIL Sampling Point EA-17 Upland

	cription: (Describe t	to the de				itor or co	onfirm the absence of indic	ators.)
Depth	Matrix			x Featur		. 3		
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks
0-6	10yr 5/2	100					Loamy/Clayey	
6-12	10yr 3/1	100					Loamy/Clayey	
	-							
¹ Type: C=C	oncentration, D=Depl	etion RM	/=Reduced Matrix N	 AS=Mas	ked Sand		² Location: PL=Por	e Lining M=Matrix
Hydric Soil		Ction, ra	Treduced Matrix, II	ivius	inca cari	oranio.		blematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		0) (LRR K, L, MLRA 149B)
	oipedon (A2)		MLRA 149B		` ,`	•		Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surf	-	(LRR R	MLRA 1		eat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	311) (LRF	R K, L)	Polyvalue Belo	w Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark Surf	ace (S9) (LRR K , L)
	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganes	se Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri					dplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su					TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark				Red Parent Ma	
	ledox (S5)		Redox Depress		8)			Dark Surface (F22)
	Matrix (S6) rface (S7)		Marl (F10) (LR	K K, L)			Other (Explain	in Remarks)
— Daik Su	nace (Sr)							
³ Indicators o	f hvdrophytic vegetati	ion and v	vetland hydrology mu	ıst be pı	resent. ur	nless dist	urbed or problematic.	
	Layer (if observed):		, 0,		,			
Type:								
Depth (i	nches):						Hydric Soil Present?	Yes No _X_
Remarks:	<u> </u>							



Upland EA – Soils

Phase 5

SITE PHOTOGRAPHS

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