

Wetland CP at flag CP-8 - View facing east.



Wetland CP-8 - Soils

Phase 2

SITE PHOTOGRAPHS

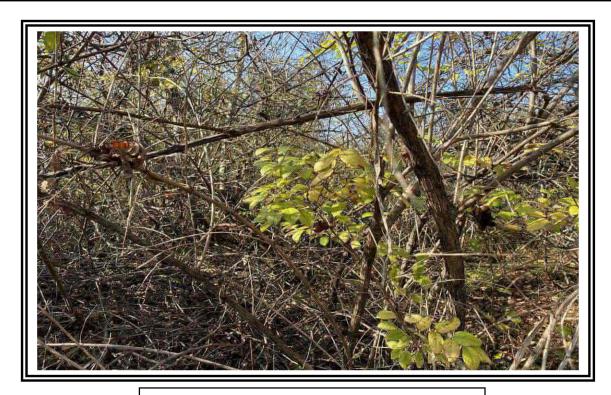
Project/Site: CHPE	City/County: New Scotland/ Albany Sampling Date: 11/11/21
Applicant/Owner: TDI	State: NY Sampling Point: CP-8 Upl
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): flat Local	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42-36-41N	Long: 73-54-04W Datum: WGS 84
Soil Map Unit Name: Rhinebeck silty clay loam (RhA)	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Upland scrub shrub.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (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	on (C4) Stunted or Stressed Plants (D1)
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)	: <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:	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Tree Stratum (Plot size: 30') 1. Malus species	30	Species? Yes	Status	Dominance Test worksneet.
2				Number of Dominant Species That Are OBL, FACW, or FAC:1(A)
3. 4.				Total Number of Dominant Species Across All Strata:5(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
	30	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x1 =0
1. Lonicera morrowii	65	Yes	FACU	FACW species 0 x 2 = 0
2				FAC species 8 x 3 = 24
3.				FACU species x 4 = 308
4				UPL species0 x 5 =0
5				Column Totals: 85 (A) 332 (B)
6				Prevalence Index = B/A =3.91
7				Hydrophytic Vegetation Indicators:
	65	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Equisetum arvense	8	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Fragaria virginiana	2	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Lonicera morrowii	5	Yes	FACU	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:
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11				
12	15	=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. Vitis aestivalis	5	Yes	<u>FACU</u>	height.
2				
3.				Hydrophytic Vegetation
4				Present? Yes No X
	5	=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: CP-8 Upl

SOIL Sampling Point CP-8 Upl

	· ·	o the de				ator or co	onfirm the absence of ind	licators.)
Depth	Matrix	0/		k Featur		1 2	Taxtura	Damanica
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-2	10YR 2/1	100					Loamy/Clayey	
2-6								Rock
6-8	10YR 2/1	100					Loamy/Clayey	
								_
	ncentration, D=Deple	etion, RM	I=Reduced Matrix, M	1S=Mas	ked Sand	Grains.		ore Lining, M=Matrix.
Hydric Soil II					(22) (roblematic Hydric Soils ³ :
— Histosol (Polyvalue Belo		ce (S8) (I	LRR R,		A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		// DD D	MIDA		Redox (A16) (LRR K, L, R)
Black His	n Sulfide (A4)		Thin Dark Surfa				· —	Peat or Peat (S3) (LRR K, L, R) How Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I	-		-		irface (S9) (LRR K, L)
	Below Dark Surface	(Δ11)	Loamy Gleyed			ι Χ (Χ, L)		ese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	(~11)	Depleted Matrix	•	1 2)			podplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		:6)			c (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					Material (F21)
	edox (S5)		Redox Depress					Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		-,			in in Remarks)
Dark Surf				,,				,
		on and w	etland hydrology mu	ıst be pr	resent, ur	nless dist	urbed or problematic.	
Type:	.ayer (if observed): rock/large o	robblee						
Depth (in		8					Hydric Soil Present?	Yes No _X_
Remarks:								
	n is revised from Nor	thcentral	and Northeast Regi	onal Su	pplemen	t Version	2.0 to include the NRCS F	ield Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	



Upland CP at flag CP-8 - View facing east.



Upland CP-8 - Soils

Phase 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: New Scotland/ Albany Sampling Date: 11/11/21
Applicant/Owner: TDI	State: NY Sampling Point: co-10 Wet
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
	relief (concave, convex, none): concave Slope %: 0-1
Subregion (LRR or MLRA): LRR R Lat: 42-36-39N	Long: 73-54-03W Datum: WGS84
Soil Map Unit Name: Rhinebeck silty clay loam (RhA)	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Isolated common reed marsh.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· / · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) X Oxidized Rhizospheres	
Presence of Reduced Ir	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7) Other (First in Present	
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 x No Depth (inches):	:0 Wetland Hydrology Present? Yes _X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
No inlet or outlet.	
I .	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Populus tremuloides	<u> </u>	Yes	FACU	
2		163		Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata:5(B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 40.0% (A/B)
7				Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species5 x1 =5
1. Lonicera morrowii	5	Yes	<u>FACU</u>	FACW species 90 x 2 = 180
2. Cornus racemosa	5	Yes	FAC	FAC species10 x 3 =30
3. Rosa multiflora	5	Yes	FACU_	FACU species15 x 4 =60
4				UPL species 2 x 5 = 10
5				Column Totals: 122 (A) 285 (B)
6				Prevalence Index = B/A =2.34
7				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Phragmites australis	90	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Lythrum salicaria	5	No No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Artemisia vulgaris	2	No	UPL	data in Remarks or on a separate sheet)
4. Equisetum arvense	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	102	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3.				Vegetation
4				Present? Yes X No No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: CO-10 Wet

SOIL Sampling Point CO-10 Wet

		o the de				ator or co	onfirm the absence of	findicators.)
Depth	Matrix			r Featur		12	T 4	Demode
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/1	90	10YR 4/6	10	<u> </u>	PL_	Loamy/Clayey	Prominent redox concentrations
10-20	10YR 5/2	70	10YR 4/6	30	<u> </u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations
								
								
	oncentration, D=Depl	etion, RI	M=Reduced Matrix, M	IS=Mas	ked Sand	Grains.		L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
— Histosol			Polyvalue Belo		ce (S8) (LRR R,		ck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		MLRA 149B)		/	MIDA		rairie Redox (A16) (LRR K, L, R)
	stic (A3) n Sulfide (A4)		Thin Dark Surfa				· —	cky Peat or Peat (S3) (LRR K, L, R) e Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky I	•		-		k Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed			···· · , —,		iganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	,	X Depleted Matrix	•	,			t Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		X Redox Dark Su	rface (F	6)		Mesic Sp	oodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	Gleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	ent Material (F21)
	Redox (S5)		? Redox Depress	•	В)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR l	R K, L)			Other (E	xplain in Remarks)
— Dark Su	rface (S7)							
³ Indicators o	f hydrophytic vegetati	on and v	wetland hydrology mu	ist he ni	esent III	nlees diet	urhed or problematic	
	Layer (if observed):	on and v	wedana nyarology ma	ist be pi	Cociit, ui	11000 0100	urbed or problematio.	
Type:	none	•						
Depth (ii	nches):						Hydric Soil Presen	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	COMENT	S/nrcs14	2p2_051293.docx)	



Wetland CO at flag CO-10 - View facing west.



Wetland CO-10 - Soils

Phase 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: New Scotland/Albany Sampling Date: 11/11/21
Applicant/Owner: TDI	State: NY Sampling Point: CO-10 Upl
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42-36-39N	Long: 73-54-03W Datum: WGS 84
Soil Map Unit Name: Rhinebeck silty clay loam (RhA)	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No _X	If yes, optional Wetland Site ID:
Upland deciduous forest.	
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 In	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	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:
D-modus.	
Remarks:	

	Absolute	Dominant Species?	Indicator	Dominance Test warksheets
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
Quercus rubra	80	Yes	FACU	Number of Dominant Species
Populus tremuloides	15	No	<u>FACU</u>	That Are OBL, FACW, or FAC:0 (A)
				Total Number of Dominant
				Species Across All Strata: 6 (B)
·				Percent of Dominant Species
·				That Are OBL, FACW, or FAC: 0.0% (A/E
				Prevalence Index worksheet:
	95	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')			OBL species0 x 1 =0
Lonicera morrowii	20	Yes	<u>FACU</u>	FACW species 0 x 2 = 0
Prunus serotina	8	Yes	<u>FACU</u>	FAC species 0 x 3 = 0
				FACU species141 x 4 =564
				UPL species0 x 5 =0
				Column Totals: 141 (A) 564 (E
·				Prevalence Index = B/A = 4.00
				Hydrophytic Vegetation Indicators:
	28	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size:5')				2 - Dominance Test is >50%
Quercus rubra	5	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Rubus allegheniensis	8	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporti
Lonicera morrowii	5	Yes	FACU	data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
				11-diseases of bridge cell and confident bridge become
				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
o. 1.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
	. ———— 18	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size: 30'	\ 	- Total Gover		or size, and woody plants less than 5.25 it tall.
	,			Woody vines – All woody vines greater than 3.28 ft
				height.
				Hydrophytic
	· 			Vegetation
				Present? Yes No _X_
		=Total Cover		

SOIL Sampling Point CO-10 Upl

	· •	o the de				tor or co	onfirm the absence of inc	dicators.)
Depth	Matrix			x Featur		12	T4	D
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-5	10YR 2/1	100				—	Sandy	
5-11	10YR 5/4	100					Loamy/Clayey	
						—		
						—		
¹ Type: C=Co	ncentration, D=Depl	etion, RN	//=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	² Location: PL=P	ore Lining, M=Matrix.
Hydric Soil I							Indicators for P	roblematic Hydric Soils ³ :
Histosol	`		Polyvalue Belo		ce (S8) (I	LRR R,		A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B	•				e Redox (A16) (LRR K, L, R)
— Black His			Thin Dark Surf					Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S	-		-		elow Surface (S8) (LRR K, L)
	Layers (A5)	(411)	Loamy Mucky			₹ K, L)		urface (S9) (LRR K, L)
	Below Dark Surface rk Surface (A12)	(A11)	Loamy Gleyed Depleted Matri		<u>Γ</u> Ζ)			ese Masses (F12) (LRR K, L, R) podplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		-6)			c (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					Material (F21)
	edox (S5)		Redox Depress					v Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		-,		 ·	in in Remarks)
	face (S7)		` ` /`					,
		on and v	vetland hydrology mu	ust be pi	resent, ur	iless dist	urbed or problematic.	
	.ayer (if observed):							
Type: _	rock							
Depth (in	ches):	11					Hydric Soil Present?	Yes No _X
Remarks:					_			
	m is revised from Noi 2015 Errata. (http://w							Field Indicators of Hydric Soils,
version 7.0, 2	2013 Ellata. (Ilttp://w	ww.iiics	.usua.gov/internevi	3L_DO	JOIVILIAI	O/111 CO 1 72	EPZ_001293.000X)	



Upland CO at flag CO-10 - View facing east.



Upland CO-10 - Soils

Phase 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: New Scotland/ Albany Sampling Date: 11/11/21
Applicant/Owner: TDI	State: NY Sampling Point: EDR L-1 Wet
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): depression Local	relief (concave, convex, none): concave Slope %: 0-1
Subregion (LRR or MLRA): LRR R Lat: 42-36-37N	Long: 73-54-01W Datum: WGS 84
Soil Map Unit Name: Rhinebeck silty clay loam (RhA)	NWI classification: PSS
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	 -
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Possible vernal pool. Isolated.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leaves (
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor	· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced Ir	<u> </u>
Algal Mat or Crust (B4) Recent Iron Reduction in This Music Surface (G7)	· , — · · · ,
Iron Deposits (B5) Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark)	
<u> </u>	rks) Microtopographic Relief (D4) X FAC-Neutral Test (D5)
Sparsely Vegetated Concave Surface (B8)	- A FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes x No Depth (inches)	
Water Table Present? Yes x No Depth (inches)	
Saturation Present? Yes x No Depth (inches)	:0 Wetland Hydrology Present? Yes _X No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Describe Recorded Data (stream gauge, monitoring well, aerial priotos, pre	evious inspections), if available:
Remarks:	
No inlet or outlet. Inundated during visit.	
, and the second	

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
<u> </u>				Number of Deminent Coories
				Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
				,
-				Total Number of Dominant Species Across All Strata: 3 (B)
	-			Species Across All Strata(b)
•		· ——		Percent of Dominant Species
·				That Are OBL, FACW, or FAC:100.0%(A/B
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')			OBL species0 x1 =0
llex verticillata	25	Yes	FACW	FACW species 30 x 2 = 60
Cornus racemosa	10	Yes	FAC	FAC species 10 x 3 = 30
				FACU species 0 x 4 = 0
				UPL species 0 x 5 = 0
				Column Totals: 40 (A) 90 (B
	-			
	-			Prevalence Index = B/A = 2.25
				Hydrophytic Vegetation Indicators:
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
Onoclea sensibilis	5	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
·				4 - Morphological Adaptations ¹ (Provide supporting
· .				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
	-			Tree – Woody plants 3 in. (7.6 cm) or more in
·				diameter at breast height (DBH), regardless of height
)	_			Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb – All herbaceous (non-woody) plants, regardles
	5	=Total Cover		of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size: 30')			Mandaying All wand wings greater than 2.20 ft
	•			Woody vines – All woody vines greater than 3.28 ft i height.
				The state of the s
	-			Hydrophytic
				Vegetation
•				Present? Yes X No
		=Total Cover		

SOIL Sampling Point EDR L-1 Wet

Profile Desc Depth	ription: (Describe t Matrix	to the de		ı <mark>ment tl</mark> x Featur		ator or co	onfirm the absence of	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 4/1	100			-71		Loamy/Clayey	
7-8	10YR 2/1	100					Sandy	
8-20	10YR 4/2	80	10YR 6/4	20	С		Loamy/Clayey	Distinct redox concentrations
¹Type: C=Cc	oncentration, D=Depl	etion, RM	/=Reduced Matrix, N		ked Sand	d Grains.	²Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I			,					or Problematic Hydric Soils ³ :
Histosol Histic Ep Black His Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy R Stripped Dark Sur	(A1) bipedon (A2) stic (A3) n Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) ducky Mineral (S1) deleyed Matrix (S4) dedox (S5) Matrix (S6) rface (S7)		Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed X Depleted Matri: Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR) ace (S9) Sands (S Mineral (Matrix (x (F3) urface (F Surface sions (F& R K, L)	(LRR R 611) (LRI (F1) (LRI F2) 66) (F7)	, MLRA 1 R K, L) R K, L)	2 cm Mu Coast Pr 49B) 5 cm Mu Polyvalu Thin Dari Iron-Man Piedmon Mesic Sp Red Pare Very Sha	ck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R) e Below Surface (S8) (LRR K, L) k Surface (S9) (LRR K, L) rganese Masses (F12) (LRR K, L, R) at Floodplain Soils (F19) (MLRA 149B) codic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) allow Dark Surface (F22) xplain in Remarks)
	Layer (if observed):	ion and v	oddina ffydrology ffic	ос во рі	oodiit, ui	nood dibt	urbou or problematio.	
Type:	non	е						
Depth (ir	nches):						Hydric Soil Presen	nt? Yes <u>X</u> No
	m is revised from No 2015 Errata. (http://w		_					CS Field Indicators of Hydric Soils,



Wetland EDR L at flag L-1 - View facing west.



Wetland EDR L-1 - Soils

Phase 2

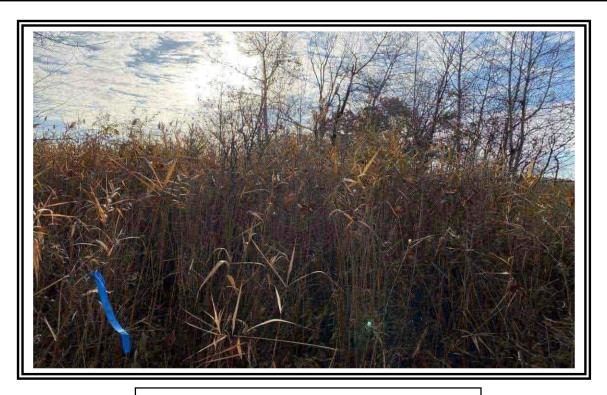
SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: New Scotland/ Albany Sampling Date: 11/11/21
Applicant/Owner: TDI	State: NY Sampling Point: CN-8 Wet
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42-36-36N	Long: 73-54-00W Datum: WGS 84
Soil Map Unit Name: Rhinebeck silty clay loam (RhA)	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrologynaturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
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:
Common reed marsh.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· / · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7) Other (Figure in Personal (B7))	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No x Depth (inches)	
Water Table Present? Yes No x Depth (inches)	
Saturation Present? Yes No x Depth (inches)	: Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), it available:
Remarks:	
Tomano.	
1	

VEGETATION – Use scientific names of pla	ants.			Sampling Point:CN-8 Wet		
Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1 2				Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)		
3				Total Number of Dominant		
4 5				Species Across All Strata: 2 (B)		
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)		
7				Prevalence Index worksheet:		
		=Total Cover		Total % Cover of:Multiply by:		
Sapling/Shrub Stratum (Plot size:15')				OBL species0 x1 =0		
1. Comus racemosa	25	Yes	FAC	FACW species 85 x 2 = 170		
2.				FAC species 25 x 3 = 75		
3.				FACU species 2 x 4 = 8		
4.				UPL species 3 x 5 = 15		
5.				Column Totals: 115 (A) 268 (B		
6.				Prevalence Index = B/A = 2.33		
7.				Hydrophytic Vegetation Indicators:		
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%		
1. Phragmites australis	85	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹		
2. Artemisia vulgaris	3	No	UPL	 4 - Morphological Adaptations¹ (Provide suppor 		
				data in Remarks or on a separate sheet)		
3 4				Problematic Hydrophytic Vegetation ¹ (Explain)		
5 6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
7.				Definitions of Vegetation Strata:		
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
		-		diameter at breast neight (DBH), regardless of neight.		
11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12				Herb – All herbaceous (non-woody) plants, regardless		
	88	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size: 30') 1. Vitis aestivalis	2	No	_FACU_	Woody vines – All woody vines greater than 3.28 ft in height.		
2						
3.				Hydrophytic Vegetation		
4.				Present? Yes X No		
	2	=Total Cover				
Domorkov /Include photo numbero bere er en e cons		-				
Remarks: (Include photo numbers here or on a sepa	arate sneet.)					

SOIL Sampling Point CN-8 Wet

Depth	Matrix	o tne ae _l		rment tr Featur		ator or co	onfirm the absence o	r indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-9	10YR 2/1	100					Loamy/Clayey	
9-20	10YR 5/2	70	10YR 5/6	30	С	<u>M</u>	Loamy/Clayey	Prominent redox concentrations
				_				
				_				
¹ Type: C=Co	ncentration, D=Deple	etion, RM	=Reduced Matrix, N	IS=Masl	ked Sand	d Grains.		L=Pore Lining, M=Matrix.
Black His Hydroger Stratified X Depleted Thick Da Sandy M Sandy G Sandy R Stripped Dark Sur	(A1) ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6) face (S7) hydrophytic vegetaticayer (if observed):	on and w	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed X Depleted Matrix Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR) ace (S9) ands (S Mineral (Matrix (I (F3) rface (F Surface sions (FE R K, L)	(LRR R 611) (LRI (F1) (LRI F2) 66) (F7)	, MLRA 1 R K, L) R K, L)	2 cm Mi Coast P 49B) 5 cm Mi Polyvalu Thin Da Iron-Mai Piedmoi Mesic S Red Par Very Sh	or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) allow Dark Surface (F22) Explain in Remarks)
Type: _ Depth (in	none	9					Hydric Soil Prese	nt? Yes <u>X</u> No
	m is revised from Nor 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,



Wetland CN at flag CN-8 - View facing south.



Wetland CN-8 - Soils

Phase 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: New Scotland/ Albany Sampling Date: 11/11/21
Applicant/Owner: TDI	 State: NY Sampling Point: cn-e/i∈dr L-1
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42-36-37N	Long: 73-54-01W Datum: WGS 84
Soil Map Unit Name: Rhinebeck silty clay loam (RhA)	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	· — — —
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X_
Wetland Hydrology Present? Yes No _X	If yes, optional Wetland Site ID:
Deciduous upland forest. CN-8 and EDR L-1 Upl.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (·
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	<u> </u>
Algal Mat or Crust (B4) Recent Iron Reduction in	· , · · · · · · · · · · · · · · · · ·
Iron Deposits (B5) — Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes 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:
Percedus	
Remarks:	

ree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
. Quercus rubra	95	Yes	FACU	Dominance Test worksheet.			
Prunus serotina	- 2	No	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)			
r runus serouna			1700	matric obt, i now, or i no.			
		· 		Total Number of Dominant Species Across All Strata: 4 (B)			
		· 		Opecies Across Air Strata.			
				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/E			
				Prevalence Index worksheet:			
	97	=Total Cover		Total % Cover of: Multiply by:			
apling/Shrub Stratum (Plot size: 15'	١	- Total Gover		OBL species 0 x1 = 0			
Comus racemosa	, 50	Yes	FAC	FACW species 0 x 2 = 0			
Comus racemosa		163		FAC species 60 x 3 = 180			
	_						
	-						
	-						
				`			
		· 		Prevalence Index = B/A = 3.66			
		T (-1.0		Hydrophytic Vegetation Indicators:			
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
erb Stratum (Plot size: 5')	_		5.00	2 - Dominance Test is >50%			
Lonicera morrowii		No No	FACU	3 - Prevalence Index is ≤3.0 ¹			
Rubus allegheniensis	8	Yes	<u>FACU</u>	 4 - Morphological Adaptations¹ (Provide supportidate in Remarks or on a separate sheet) 			
Cornus racemosa		Yes	FAC				
Quercus rubra	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain			
·				¹ Indicators of hydric soil and wetland hydrology must			
·				be present, unless disturbed or problematic.			
				Definitions of Vegetation Strata:			
				Tree – Woody plants 3 in. (7.6 cm) or more in			
				diameter at breast height (DBH), regardless of heigh			
)				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			
	28	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
oody Vine Stratum (Plot size: 30')			Woody vines - All woody vines greater than 3.28 ft			
	_			height.			
				Hydrophytic			
				Vegetation			
				Present? Yes No _X			
		=Total Cover					

Profile Desc Depth	ription: (Describe t Matrix	to the de		u ment th x Feature		ator or co	onfirm the absence of indi	cators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 2/1	100					Sandy	
5-20	10YR 5/3	100					Loamy/Clayey	
	10111070						Loamy/olayey	
1				40. Mari			21 1	. 12-2- M M-12
Hydric Soil	oncentration, D=Depl	etion, Ki	/I=Reduced Matrix, N	1S=Masi	ked Sand	Grains.		re Lining, M=Matrix. bblematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfac	ce (S8) (IRRR		.10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		00) (Little it,		Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf	-	(LRR R	, MLRA 1		Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	3ands (S	11) (LRI	R K, L)		ow Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky	Mineral ((F1) (LR I	R K, L)	Thin Dark Sui	face (S9) (LRR K, L)
Depleted	l Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mangane	se Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri					odplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su					(TA6) (MLRA 144A, 145, 149B)
	eleyed Matrix (S4)		Depleted Dark Redox Depress				Red Parent M	ateriai (F21) Dark Surface (F22)
	edox (S5) Matrix (S6)		Marl (F10) (LR)		Other (Explain	· · ·
	face (S7)			····, -/			Other (Explain	· iii r comanco)
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
³ Indicators o	f hydrophytic vegetat	ion and v	vetland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive I	_ayer (if observed):							
Type:	non	е						
Depth (ir	nches):						Hydric Soil Present?	Yes No _X_
Remarks:								
								eld Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	/ww.nrcs	.usda.gov/Internet/F	3E_DOC	COMENI	S/nrcs14	2p2_051293.docx)	



Upland EDR L & CN-8 - View facing east.



Upland EDR L & CN-8 - Soils

Phase 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: New Scotland/ Albany Sampling Date: 11/11/21
Applicant/Owner: TDI	State: NY Sampling Point: CM-2 Wet
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): depression Local	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42-36-33N	Long: 73-53-59W Datum: WGS 84
Soil Map Unit Name: Scio silt Ioam (ScA)	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	 -
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) x Water-Stained Leaves (I	<u> </u>
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor ((C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	<u> </u>
Algal Mat or Crust (B4) Recent Iron Reduction in	· , — · · · ,
Iron Deposits (B5) Thin Muck Surface (C7) Other (Figure in Reposit	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar Sparsely Vegetated Concave Surface (B8)	rks) Microtopographic Relief (D4) X FAC-Neutral Test (D5)
Field Observations:	A FAC-Neutral Test (D3)
): 0.5
Surface Water Present? Yes x No Depth (inches): Water Table Present? Yes x No Depth (inches):	
Saturation Present? Yes x No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Powerland	
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Populus deltoides	15	Yes	FAC	Dominance rest worksneet.
2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3. 4.		·		Total Number of Dominant Species Across All Strata:4(B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 75.0% (A/B)
7				Prevalence Index worksheet:
	15	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x1 = 0
1. Cornus racemosa	20	Yes	FAC_	FACW species 55 x 2 = 110
2. Lonicera morrowii	5	Yes	FACU_	FAC species35 x 3 =105
3				FACU species 5 x 4 = 20
4				UPL species0 x 5 =0
5				Column Totals: 95 (A) 235 (B)
6.				Prevalence Index = B/A =2.47
7				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	45	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Solidago gigantea	10	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Spaghnum sp.	5	No		data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.		· <u></u>		1 Indicators of hydric call and watland hydrology must
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.		· ——		Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	60	=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.
2				- rog-m
2				Hydrophytic
1		· ——		Vegetation Present? Yes X No
4.		=Total Cover		Present? Yes X No No
Remarks: (Include photo numbers here or on a separate	rate sneet.)			

Sampling Point: __CM-2 Wet

SOIL Sampling Point CM-2 Wet

Depth	Matrix	o ine de	•	x Featur		ator or co	onfirm the absence o	indicators.)
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 2/1	100					Loamy/Clayey	
8-20	10YR 4/1	80	10YR 4/6		<u> </u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations
					_			
¹Type: C=Co	oncentration, D=Deple	etion, RN		 1S=Mas	ked Sand	Grains.		PL=Pore Lining, M=Matrix.
Black His Hydroge Stratified X Depleted Thick Da Sandy M Sandy G Sandy R Stripped Dark Sur	(A1) bipedon (A2) stic (A3) n Sulfide (A4) I Layers (A5) I Below Dark Surface ark Surface (A12) lucky Mineral (S1) eleyed Matrix (S4) edox (S5) Matrix (S6) face (S7) I hydrophytic vegetatic ayer (if observed):	on and v	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed X Depleted Matrix Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR) ace (S9) Sands (S Mineral (Matrix (I x (F3) urface (F Surface sions (F8 R K, L)	(LRR R 611) (LRI (F1) (LRI F2) 66) (F7)	, MLRA 1 R K, L) R K, L)	2 cm Mi Coast P 49B) 5 cm Mi Polyvalu Thin Da Iron-Mai Piedmoi Mesic S Red Par Very Sh	or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) allow Dark Surface (F22) Explain in Remarks)
	m is revised from Nor 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,



Wetland CM at flag CM-2 - View facing xx



Wetland CM-2 - Soils

Phase 2

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: New Scotland/ Albany Sampling Date: 11/11/21
Applicant/Owner: TDI	State: NY Sampling Point: CM-2 Upl
Investigator(s): N. Frazer, C. Einstein	Section, Township, Range:
	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42-36-33N	Long: 73-53-59W Datum: WGS 84
Soil Map Unit Name: Scio silt loam (ScA)	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	
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:
Deciduous forested upland.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (I	B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· / · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of Deposits (B2)	
Drift Deposits (B3) Presence of Reduced Iro	· , ,
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·
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)
	AO-Neulial Test (DO)
Field Observations:	
Surface Water Present? Yes No x Depth (inches): Water Table Present? Yes No x Depth (inches):	
Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches):	
(includes capillary fringe)	Wettalid Hydrology Present? TesNOX
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
The second of th	
Remarks:	

Two Charles (Districts 20)	Absolute	Dominant	Indicator	Danisa a Tart wallahart		
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:		
1. Quercus rubra	60	Yes	FACU	Number of Dominant Species		
2. Quercus montana	15	No	UPL	That Are OBL, FACW, or FAC:(A)		
3. Pinus strobus	15	No	FACU	Total Number of Dominant		
4. Betula populifolia	2	<u>No</u>	<u>FAC</u>	Species Across All Strata: 6 (B)		
5. Juniperus virginiana	2	No	FACU	Percent of Dominant Species		
6				That Are OBL, FACW, or FAC: 33.3% (A/B)		
7				Prevalence Index worksheet:		
	94	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:)				OBL species0 x1 =0		
1. Lonicera morrowii	5	Yes	<u>FACU</u>	FACW species 0 x 2 = 0		
2. Cornus racemosa	5	Yes	FAC	FAC species 9 x 3 = 27		
3				FACU species 90 x 4 = 360		
4				UPL species15 x 5 =75		
5.				Column Totals: 114 (A) 462 (B)		
6.				Prevalence Index = B/A = 4.05		
7.				Hydrophytic Vegetation Indicators:		
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')		10101 00101		2 - Dominance Test is >50%		
1. Lonicera morrowii	3	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹		
Quercus rubra	<u>5</u>	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting		
 _				data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)		
Toxicodendron radicans 4.	2	<u>Yes</u>	FAC			
				¹ Indicators of hydric soil and wetland hydrology must		
6.				be present, unless disturbed or problematic.		
7.				Definitions of Vegetation Strata:		
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.						
	10	=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')				M		
1.				Woody vines – All woody vines greater than 3.28 ft in height.		
2.						
2				Hydrophytic		
				Vegetation		
4				Present? Yes No X		
		=Total Cover				
Remarks: (Include photo numbers here or on a separ	ate sheet.)					

Sampling Point: CM-2 Upl

SOIL Sampling Point CM-2 Upl

Depth	Matrix			x Featur			onfirm the absence of indica	,
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 3/2	100					Loamy/Clayey	
6-20	10YR 5/2	100					Loamy/Clayey	
						—		
¹ Type: C=Co	oncentration, D=Depl	etion, RI	//≡Reduced Matrix, M	1S=Masl	ked Sand	Grains.	² Location: PL=Pore	Lining, M=Matrix.
Hydric Soil								lematic Hydric Soils ³ :
— Histosol			Polyvalue Belo		ce (S8) (LRR R,		0) (LRR K, L, MLRA 149B)
Black Hi	oipedon (A2)		MLRA 149B) Thin Dark Surfa	•	(MI DA 1		edox (A16) (LRR K, L, R) at or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					v Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I			-		ce (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			, ,		Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matrix	x (F3)			Piedmont Flood	plain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spodic (T	A6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark				Red Parent Mat	
	ledox (S5)		Redox Depress		B)			ark Surface (F22)
	Matrix (S6) rface (S7)		Marl (F10) (LR	RK, L)			Other (Explain i	n Remarks)
Daik Sui	nace (S7)							
³ Indicators of	f hydrophytic vegetati	on and v	vetland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):						·	
Type:	none	Э						
Depth (ir	nches):						Hydric Soil Present?	Yes No _X_
Remarks:							•	
							2.0 to include the NRCS Field	d Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	ww.nrcs	.usda.gov/internet/FS	sE_DOC	JUMENT	S/nrcs14	2p2_051293.docx)	



Upland CM at flag CM-2 - View facing southeast.



Upland CM-2 - Soils

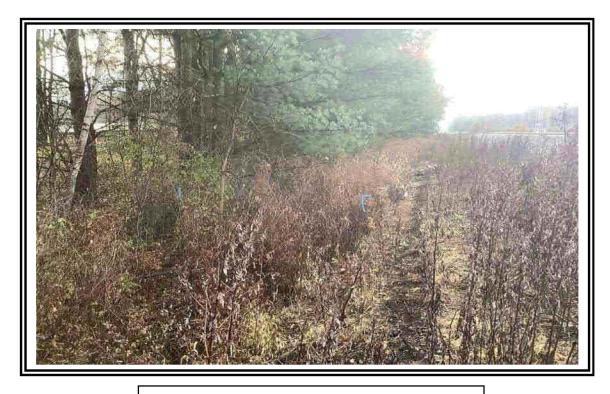
Phase 2

SITE PHOTOGRAPHS

Project/Site:	Champlain Hud	dson Power Ex	press	City/Cou	nty: Ne	w Scotland, Al	bany County.	Sampling Date:	11/10/2021
Applicant/Owner:		Kiew	ritt Engineering	g Group		S	state: New York	Sampling Point:	WK-1W
Investigator(s):		MA, KC		Section,	Township, Ra	nge:	Town	of New Scotland	
Landform (hillslope, terr	ace, etc):	Swale	Lo	cal relief (conc	ave, convex, i	none):	concave	Slope	(%): 0-3
Subregion (LRR or MLF	₹A):	LRR R	La	at: 42.	60843333	Long:	-73.899050°	14 Datum	: WGS 1984
Soil Map Unit Name: _			Rhinebeck silt	ty clay loam			NWI classification	on:	
Are climatic / hydrologic	conditions on the	site typical for	this time of ye	ear? Yes	XNo	(If no	o, explain in Remark	s.)	
Are Vegetation X						Are "Normal Ci	ircumstances" prese	ent? Yes X	No
Are Vegetation	, Soil,	or Hydrology	natur	ally problemation	?	(If needed, exp	lain any answers in	Remarks.)	
SUMMARY OF FIN	IDINGS - Atta	ch site mar	showing	sampling p	oint location	ons, transe	cts, important	features, etc.	
Hydrophytic Vegetation	on Present?	Yes	X No _		Is the Sam	pled Area			
Hydric Soil Present?		Yes	No _		within a We	etland?	Yes X	No	_
Wetland Hydrology P	resent?	Yes	X No		If yes, optio	nal Wetland Si		WK-1W PEM	<u> </u>
Remarks: (Explain all					and soils we	are disturbed d	ue to proximity to ra	ilroad Soil sample	was not
	ble deeper than 2 i				i, and sons we	ere distarbed d	de to proximity to ra	illioad. Soil sample	was not
					ied as W	etland FI	DR-K on wet	land mappin	a
HYDROLOGY							SIX IX OII WOL	iana mappin	9
Wetland Hydrology	Indicators:			—and in	report te	XL.			
Primary Indicators (m		guired: check a	Il that apply)				Secondary Indica	ators (minimum of tv	vo required)
X Surface Water (A		Julieu, officer a	,	tained Leaves	(BQ)			l Cracks (B6)	vo required)
X High Water Table				Fauna (B13)	(00)			atterns (B10)	
X Saturation (A3)	5 (AL)			posits (B15)			Moss Trim L	, ,	
Water Marks (B1	1)			en Sulfide Odor	(C1)		_	Water Table (C2)	
Sediment Depos				d Rhizospheres	. ,	ots (C3)	Crayfish Bu	, ,	
Drift Deposits (B	` '			e of Reduced I	_	(00)		/isible on Aerial Ima	agery (C9)
Algal Mat or Cru	•			Iron Reduction	` '	(C6)		Stressed Plants (D1	
Iron Deposits (B			_	ck Surface (C7		()	X Geomorphic		,
	le on Aerial Image	erv (B7)		xplain in Rema	•		Shallow Aqu		
	ited Concave Surf				,			aphic Relief (D4)	
							X FAC-Neutra		
Field Observations:									
Surface Water Preser		X No		(inches):	4				
Water Table Present?		X No		(inches):	0				
Saturation Present?		X No	Depth	(inches):	0	Wetland Hy	drology Present?	Yes X	No
(includes capillary frir	ige)								
Describe Recorded D)ata (stream gaug	e. monitorina w	ell. aerial pho	tos, previous in	spections), if	available:			
	(-, ···-································	,	, ,					
Remarks:									

National Continue Nati	VEGETATION - Use scientific names of plants.				Sampling Point: WK-1W
Species Across All Stratu: 3 (8)	1	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7 (A/B)					Species Across All Strata: (B)
Prevalence Index worksheet: Total Kover Saping/Shrub Stratum (Plot size:15 Feet) 1. Populus tremuloides / Quaking aspen 5	3. 4.				·
Saping/Shrub Stratum (Plot size: 15 Feet 1. Populus tremuloides / Quaking aspen 5	6	_			Prevalence Index worksheet:
Sapiling/Shrub Stratum	7				Total % Cover of: Multiply by:
Populus tremuloides / Quaking aspen 5 Yes FACU FACU FAC Species 0 x 3 = 0	Sanling/Shruh Stratum (Plot size: 15 Feet)	0	_ = Total Cov	er	· — — —
2.		5	Yes	FACU	· — — — —
1					
Column Totals: 85 (A) 160 (B)	3.				
Prevalence Index = B/A = 1.88					
Tree - Woody Vine Stratum (Plot size: 30 Feet) So					(,
S = Total Cover Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 1 - Rapid Test for Hydrophytic Vegetati	6				Prevalence Index = B/A = 1.88
Herb Stratum (Plot size: 5 Feet 1. Onoclea sensibilis / Sensitive fern 50 Yes GBL 2. Lythrum selicaria / Purple loosestrife 20 Yes OBL 3. Solidago gigantea / Smooth goldenrod 10 No FACW 4. Morphological Adaptations¹ (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 5. 4. Morphological Adaptations¹ (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 5. 5. 5. 5. 5. 5. 5.	1		- Total Cov		Hydrophytic Vagatation Indicators:
1. Onoclea sensibilis / Sensitive fern 50 Yes FACW 2. Lythrum salicaria / Purple loosestrife 20 Yes OBL 3. Solidago gigantea / Smooth goldenrod 10 No FACW 4. Amorphological Adaptations¹ (Provide supporting Problematic Hydrophytic Vegetation¹ (Explain) 5.	Herb Stratum (Plot size: 5 Feet)		IOIAI COV	CI	
2. Lythrum salicaria / Purple loosestrife 20 Yes OBL 3. Solidago gigantea / Smooth goldenrod 4.		50	Yes	FACW	
3. Solidago gigantea i Smooth goldenrod 4.					1
5		10	No	FACW	4 - Morphological Adaptations¹ (Provide supporting
5. 6. 1Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 8. 9.	4.		_		Problematic Hydrophytic Vegetation¹ (Explain)
Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	5	_	_		
8	6				
9.	7				be present, unless disturbed or problematic.
10.					Definitions of Vegetation Strata
Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No	40				
Direct Height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height.	44		_		Tree - Woody plants 3 in. (7.6 cm) or more in diameter at
Woody Vine Stratum (Plot size: 30 Feet) 1.					breast height (DBH), regardless of height.
1.	Woody Vine Stratum (Plot size: 30 Feet)	80	= Total Cov	er	greater than or equal to 3.28 ft (1 m) tall.
4					
Hydrophytic Vegetation Present? Yes X No	3. 4.				
Vegetation Present? Yes X No		0	= Total Cov	er	Undranbudia
Present? YesX No					
Remarks: (Explain alternative procedures here or in a separate report.)					1
	Remarks: (Explain alternative procedures here or in a separate	te report.)			

SOIL Sampling Point: WK-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Matrix Color (moist) % Loc2 (inches) Color (moist) Type¹ Texture Remarks 10YR 2/1 0-2 100 Clay Loam ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils3: ___ Histosol (A1) Polyvalue Below Surface (S8) (LRR R,MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) ___ Depleted Dark Surface (F7) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR K, L, R) __ Redox Depressions (F8) Sandy Mucky Mineral (S1) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: **Hydric Soil Present?** Depth (inches): No X Remarks: Gravel refusal at 2in



Wetland K - View facing southeast



Wetland K - Soils

Package 5

SITE PHOTOGRAPHS

Project/Site:	Champlain Hu	dson Power Expres	ss (City/County:	New Scotland, Al	lbany County.	Sampling Date:	11/10/2021
Applicant/Owner:	•	Kiewitt E	itt Engineering Group		S	State: New York	Sampling Point:	WK-1U
Investigator(s):		MA, KC		Section, Townshi	p, Range:	Town o	of New Scotland	
Landform (hillslope, te	errace, etc):	Flat			vex, none):	none	Slope	(%): 0-3
Subregion (LRR or M	LRA):	LRR R	Lat:			-73.898947	62 Datum	: WGS 1984
Soil Map Unit Name:			nebeck silty clay I	loam		NWI classification	on:	
Are climatic / hydrolog	gic conditions on the				No (If no	— o, explain in Remark	(s.)	
	, Soil				Are "Normal C	ircumstances" prese	ent? Yes X	(No
	, Soil					olain any answers in	Remarks.)	
SUMMARY OF F					cations, transe	ects, important	features, etc.	
Hydrophytic Vegeta		Yes	-		Sampled Area		•	
Hydric Soil Present		Yes			a Wetland?	Vos	NoX	
Wetland Hydrology		Yes				ite ID:		_
Wettand Hydrology	T resent:		_ 10	· II yes,	optional Wettand Of			
	alternative procedu d point for PEM wet							
HYDROLOGY								
Wetland Hydrolog	v Indicators:							
, ,	(minimum of one re	quired: check all th	at annly)			Secondary Indica	ators (minimum of tv	wo required)
Surface Water	,	quired; errock an ar	Water-Stained	Leaves (B9)			Cracks (B6)	wo roquirou)
High Water Ta	` '		Aquatic Fauna	` ,			atterns (B10)	
Saturation (A3	• •		Marl Deposits (Moss Trim L	, ,	
Water Marks (•	_	Hydrogen Sulfic				Water Table (C2)	
Sediment Dep	osits (B2)		Oxidized Rhizo	spheres on Livin	g Roots (C3)	Crayfish Bu	rrows (C8)	
Drift Deposits	(B3)		Presence of Re	educed Iron (C4)		Saturation \	/isible on Aerial Ima	gery (C9)
Algal Mat or C	rust (B4)	_	Recent Iron Re	duction in Tilled	Soils (C6)	Stunted or S	Stressed Plants (D1)
Iron Deposits	(B5)	<u> </u>	Thin Muck Surf	face (C7)		Geomorphic	Position (D2)	
Inundation Vis	ible on Aerial Image	∍ry (B7)	Other (Explain	in Remarks)		Shallow Aqu	uitard (D3)	
Sparsely Vege	etated Concave Surf	ace (B8)				Microtopogr	aphic Relief (D4)	
						FAC-Neutra	l Test (D5)	
Field Observation	e.							
Surface Water Pres		No X	Depth (inches	.).				
Water Table Preser					-			
Saturation Present			_ ' '	·	— Wetland Hy	drology Present?	Voc	No X
(includes capillary f		110X	_ Deput (inches		— Welland Hy	diology Fresenti	Yes	NO
(includes capillary i	inge <i>)</i>							
Describe Recorded	l Data (stream gaug	e, monitoring well,	aerial photos, pre	evious inspection	s), if available:			
Domorko								
Remarks:								

				Sampling Point: WK-1U
				Dominance Test worksheet:
				Number of Dominant Species
	A l- solute	Din-ent	la diamen	That Are OBL, FACW, or FAC: 1 (A)
T 01 ((Blot-i 20 Foot)	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30 Feet)	% Cover	Species?	Status	Total Number of Dominant
1. Pinus strobus / Eastern white pine		Yes	FACU	Species Across All Strata: 5 (B)
2. Populus tremuloides / Quaking aspen	10	<u>No</u>	_ FACU_	
3				Percent of Dominant Species
4				That Are OBL, FACW, or FAC: 20.0 (A/B
5				
6				Prevalence Index worksheet:
7			- ——	Total % Cover of: Multiply by:
O all (Obs.) Obs. (Obs.)	70	_ = Total Cove	ər	OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 Feet)	45	Van	-40	FACW species 0 x 2 = 0
1. Cornus racemosa / Gray dogwood	15	_ Yes	FAC	FAC species15 x 3 =45
2. Lonicera morrowii / Morrow's honeysuckle	10	Yes	FACU_	FACU species 90 x 4 = 360
3			- ——	UPL species 5 x 5 = 25
4				Column Totals: 110 (A) 430 (B
5				
6				Prevalence Index = B/A = 3.91
7				
	25	= Total Cove	er	Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5 Feet)		-		1 - Rapid Test for Hydrophytic Vegetation
Lonicera morrowii / Morrow's honeysuckle	10	Yes	FACU	2 - Dominance Test is >50%
2. Rubus / Blackberry		Yes	NI NI	3 - Prevalence Index ≤3.0¹
3.				4 - Morphological Adaptations¹ (Provide supporting
4.				Problematic Hydrophytic Vegetation¹ (Explain)
_				
				¹Indicators of hydric soil and wetland hydrology must
7			- ——	be present, unless disturbed or problematic.
		_	- —	pe present, unless disturbed of problematic.
8			- —	Definitions of Vegetation Strata
9			-	
10				Tree - Woody plants 3 in. (7.6 cm) or more in diameter at
11				breast height (DBH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
	15	_ = Total Cove	er	greater than or equal to 3.28 ft (1 m) tall.
Woody Vine Stratum (Plot size:30 Feet)				Herb - All herbaceous (non-woody) plants, regardless of
1			- ——	size, and woody plants less than 3.28 ft tall.
2				
3				Woody vines - All woody vines greater than 3.28 ft in height.
4				neignt.
	0	_ = Total Cove	er	Hydrophytic
				Vegetation
				Present? Yes No X

SOIL Sampling Point: WK-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Matrix Color (moist) % Loc2 (inches) Color (moist) Type¹ Texture Remarks 10YR 2/1 0-3 100 Loamy Sand ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils3: ___ Histosol (A1) Polyvalue Below Surface (S8) (LRR R,MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) ___ Depleted Dark Surface (F7) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR K, L, R) __ Redox Depressions (F8) Sandy Mucky Mineral (S1) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: **Hydric Soil Present?** Depth (inches): No X Remarks: Gravel refusal at 3in