Project/Site:	Champlain Huds	on Express			_ City/Count	ty: <u>Albany</u>		Sampling Date	e: November 16, 2021		
Applicant/Owner:	CHA				State:	NY		Sampling Point	:: DP-AM		
Investigator(s):	Tristen Peterson				- Section, To	wnship, Range	: Voorhees	sville			
Landform (hillslope,		Depression			_	(concave, conv	0	Concave	Slope (%): 1		
Subregion (LRR or I		LRR R			42.656738°	,	ong: -73.9301		Olope (78)		
• ,			land samul		42.030730	IN L	-ung75.950 N				
Soil Map Unit Name		nts, loamy-Urban I				<b>V</b> N		_	ot Mapped		
Are climatic / hydrol	•	•.		•				o, explain in Remarks.)	<b>v</b>		
_		, or Hydrology						mstances" present?	Yes X No		
Are Vegetation	, Soil	, or Hydrology		naturally p	oroblematic?	(If	needed, explain	any answers in Remark	3.)		
SUMMA	RY OF FIND	NGS – Attach	ı site ma	up show	ving sam	pling point	locations, ti	ransects, importar	ıt features, etc.		
Hydrophytic Vege	tation Present?	Yes	x	No		Is the Sample	ed Area				
Hydric Soil Presei	nt?	Yes	Х	No		within a Wetla	and?	Yes X No			
Wetland Hydrolog	y Present?	Yes	<u> </u>	No		If yes, optiona	l Wetland Site I□	): <u>AM</u>			
Remarks: (Explain a PSS Wetland lo	cated within a d		ent to Fo	undary R			eport text.				
HYDROLOGY											
Wetland Hydrolo	gy Indicators:							Secondary Indicators (m	inimum of two required)		
Primary Indicators	(minimum of one	is required; check	र all that ap	ply)				Surface Soil Cracks (B	6)		
Surface Wate	er (A1)		Wa	ater-Staine	ed Leaves (B	39)	<u>x</u>	Drainage Patterns (B1	0)		
X High Water T			Aq	uatic Faur	na (B13)		_	Moss Trim Lines (B16)			
X Saturation (A	•			arl Deposit				Dry-Season Water Tab	nle (C2)		
Water Marks				_	ulfide Odor (0	•		Crayfish Burrows (C8)			
Sediment De						on Living Roots	ts (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits					Reduced Iro			Stunted or Stressed Pl	• •		
Algal Mat or						Tilled Soils (C	6) <u>X</u>	•	D2)		
Iron Deposits	• •	(D7)			Surface (C7)	X	_	Shallow Aquitard (D3)	. f (D 4)		
<u> </u>	isible on Aerial Im getated Concave S	. , ,	_ Oi	ner (Expla	ain in Remark	KS)	_	Microtopographic Relie FAC-Neutral Test (D5)	л (D4)		
		——————————————————————————————————————					_	- FAC-Neutral Test (D5)			
Field Observation Surface Water Pre		Van Y Na	Б	anth (inch	۱۹۹۱ ۱						
		Yes X No					Wetlend Hed	volomy Duopout? Vo	. Y Na		
Water Table Prese		Yes X No		epth (inch epth (inch			wetiand nyd	rology Present? Ye	es <u>X</u> No		
(includes capillary		res _X_ No		aptri (inch	.es <i>)</i> . I						
		auge, monitoring w	vell, aerial p	hotos, pre	evious inspe	ctions), if availa	ıble:				
Remarks:											

(Plot size: 30 ft.)

Tree Stratum

1. Populus deltoides

Sap	oling/Shrub Stratum (Plot size: 15 ft.)				FACW species <u>55</u> x 2 = <u>110</u>
1.	Salix discolor	15	Yes	FACW	FAC species <u>10</u> x 3 = <u>30</u>
2.	Comus alba	15	Yes	FACW	FACU species <u>5</u> x 4 = <u>20</u>
3.	Cornus amomum	20	Yes	FACW	UPL species <u>0</u> x 5 = <u>0</u>
4.					Column Totals: <u>85</u> (A) <u>175</u> (B)
					Prevalence Index = B/A = 2.05
					Hydrophytic Vegetation Indicators:
					1 - Rapid Test for Hydrophytic Vegetation
١.					X 2 - Dominance Test is >50%
		50	= Total Cover		X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
Her	b Stratum (Plot size: 5 ft.)				4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
1.	Lythrum salicaria	15	Yes	OBL	data in remarks of on a separate shooty
2.	Comus alba	5	Yes	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
3.	Solidago canadensis	5	Yes	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
4.					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
0					and greater than or equal to 3.28 ft (1 m) tall.
9.					Herb – All herbaceous (non-woody) plants, regardless of
	)		<del></del>		size, and woody plants less than 3.28 ft tall.
11	l				Woody vines – All woody vines greater than 3.28 ft in
12	2.		·		height.
		25	_ = Total Cover		
Wo	ody Vine Stratum (Plot size: 30 ft.)				
1.					
					Hydrophytic
					Vegetation   Present?
1					
7.		0	= Total Cover		
	Description (Include whate must have been as an arrange about a	<u> </u>	- Total Cover		
	Remarks: (Include photo numbers here or on a separate sheet.)				
us.	Army Corps of Engineers				Northcentral and Northeast Region – Version 2.0
					-

Absolute Dominant Indicator

Yes

Status

FAC

% Cover Species?

10 = Total Cover

10

SOIL Sampling Point: DP-AM Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) Color (moist) Loc<sup>2</sup> Texture Remarks (inches) 10YR 3/1 70 7.5YR 5/6 30 Clay <u>8-0</u> 10YR 5/3 7.5YR 5/6 Clay <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) 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) X 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) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Depth (inches): Hydric Soil Present? Yes No Remarks:



Wetland AM- View facing North



Wetland AM- Soils

### **SITE PHOTOGRAPHS**

Project/Site:	Champlain Huds	son Express		City/Coun	nty: <u>Albany</u>		_ Sampling Date:	November 16, 2021
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-AM-Upland
Investigator(s):	Tristen Petersor	n		Section, To	ownship, Range	: Voorheesville	-	
Landform (hillslope,		Hillslope			f (concave, conv			Slope (%): 1
, , ,						-		Datum: NAD83
Subregion (LRR or I		LRR R		Lat: 42.656698°	<u>'N L</u>	ong: -73.930135°W		
Soil Map Unit Name		ents, loamy-Urban I				NWI cla	assification: Not N	Mapped
Are climatic / hydrol	J	• • • • • • • • • • • • • • • • • • • •	•			(If no, explain	n in Remarks.)	
Are Vegetation _	, Soil	, or Hydrology	signi	ificantly disturbed	? A	re "Normal Circumstance	s" present?	Yes No
Are Vegetation	, Soil	, or Hydrology	natu	rally problematic?	(If	needed, explain any ans	wers in Remarks.)	
SUMMA	RY OF FIND	INGS – Attach	ı site map s	showing sam	pling point	locations, transec	ts, important f	eatures, etc.
Hydrophytic Vege	etation Present?	Yes	No	х	Is the Sample	nd Area		
Hydric Soil Presei		Yes	No	x	within a Wetla		No _	<u> </u>
Wetland Hydrolog		Yes	No	Х	If yes, optiona	Wetland Site ID:		
Remarks: (Explain	<u>*                                      </u>	-		<u> </u>				
HYDROLOGY								
Wetland Hydrolo	gy Indicators:					Seconda	ary Indicators (minin	num of two required)
Primary Indicators	(minimum of one	e is required; check	κ all that apply)			Surfac	e Soil Cracks (B6)	
Surface Wate	er (A1)		Water-	Stained Leaves (E	39)	Draina	ge Patterns (B10)	
High Water T	√able (A2)			c Fauna (B13)		Moss	Trim Lines (B16)	
Saturation (A	•		<del></del>	eposits (B15)			eason Water Table	(C2)
Water Marks	. ,			gen Sulfide Odor (	' '		sh Burrows (C8)	
Sediment De				ed Rhizospheres o	_		tion Visible on Aeria	
Drift Deposits				ice of Reduced Iro			d or Stressed Plant	, ,
Algal Mat or	• 1			t Iron Reduction in	•	· —	orphic Position (D2)	ı
Iron Deposits Inundation V	s (65) 'isible on Aerial Im	nagery (R7)		luck Surface (C7) (Explain in Remarl			w Aquitard (D3) opographic Relief ([	<b>14</b> 1
l —	getated Concave				N3)		leutral Test (D5)	74)
Field Observation		,					,	
Surface Water Pre		Yes No	X Depth	(inches):				
Water Table Pres		Yes No				Wetland Hydrology F	resent? Yes	No <u>X</u>
Saturation Presen		Yes No						
(includes capillary		auge, monitoring w	uell serial photo	on previous inspe	notione) if avails	.hlo:		
Describe Necords	u Data (Sucam y	auge, monitoring w	/ell, aeriai prioc	a, previous maps	Clions), ii avana	ible.		
Remarks: No wetland hydr	rology present a	at data point						

Sapling/Shrub Stratum (Plot size: 15 ft.)

Tree Stratum (Plot size: 30 ft.)

5				Prevalence Index = B/A = 4
6.				Hydrophytic Vegetation Indicators:
7.				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
	0	= Total Cover		3 - Prevalence Index is ≤3.0 <sup>1</sup>
Herb Stratum (Plot size: 5 ft.)	_			4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
1. Lolium perenne	90	Yes	FACU	add in Normanic of on a departed shooty
2. Trifolium pratense	10	<u>No</u>	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
3				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5.				Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7.				at breast height (DBH), regardless of height.
Q				Sapling/shrub – Woody plants less than 3 in. DBH
0.				and greater than or equal to 3.28 ft (1 m) tall.
9				Herb – All herbaceous (non-woody) plants, regardless of
10				size, and woody plants less than 3.28 ft tall.
11.				Woody vines – All woody vines greater than 3.28 ft in
12				height.
	100	= Total Cover		
Woody Vine Stratum (Plot size: 30 ft.)	_			
1				
2				Hydrophytic
	_			Vegetation
3				ries No
4				
	0	= Total Cover		
Remarks: (Include photo numbers here or on a separate shee No hydrophytic vegetation found at data point	t.)			
The Hydrophysic regional or learne at data point				
US Army Corps of Engineers				Northcentral and Northgest Pegion - Version 2.0
OO Anny Outpa of Engineers				Northcentral and Northeast Region – Version 2.0

Absolute Dominant

\_\_\_\_\_0 = Total Cover

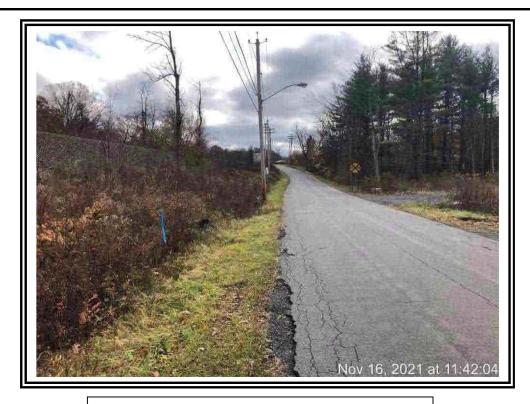
% Cover Species?

Indicator

Status

SOIL Sampling Point: DP-AM-Upland

Profile Descri	ption: (Describe to the	depth need	ded to document the i	ndicator or	confirm th	ne absence	of indicators.)		
Depth		•		Features			•		
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Rem	narks
(inches)	Color (molecy		- Color (molec)		.,,,,,		TOXIGIO	11011	Idiko
0-8	10YR 3/2	100					Silt Loam	Gravel refusal	
								•	
-			-						
<sup>1</sup> Type: C=Cond	centration, D=Depletion,	RM=Reduc	ed Matrix, MS=Masked	d Sand Grain	ns.		<sup>2</sup> Location:	PL=Pore Lining, M=N	∕latrix.
			, , , , , , , , , , , , , , , , , , , ,						
Hydric Soil Inc				0 ( (00				or Problematic Hydr	
Histosol (	A1)		Polyvalue Below	Surface (S8	) (LRR R,			luck (A10) ( <b>LRR K, L</b> ,	· ·
Histic Epi	pedon (A2)		MLRA 149B)				Coast	Prairie Redox (A16) (L	-RR K, L, R)
Black His	tic (A3)		Thin Dark Surface	e (S9) ( <b>LRR</b>	R, MLRA	149B)	5 cm M	lucky Peat or Peat (S	3) (LRR K, L, R)
Hydrogen	Sulfide (A4)		Loamy Mucky Mir	neral (F1) (L	RR K. L)		Dark S	urface (S7) (LRR K, L	., M)
	Layers (A5)		Loamy Gleyed M.		, ,		_	lue Below Surface (S8	· ·
		4\							
	Below Dark Surface (A1	1)	Depleted Matrix (					ark Surface (S9) (LRR	
Thick Dar	k Surface (A12)		Redox Dark Surfa	ace (F6)			Iron-Ma	anganese Masses (F1	2) (LRR K, L, R)
Sandy Μι	ıcky Mineral (S1)		Depleted Dark Sι	ırface (F7)			Piedmo	ont Floodplain Soils (F	19) ( <b>MLRA 149B</b> )
Sandy Glo	eyed Matrix (S4)		Redox Depressio	ns (F8)			Mesic	Spodic (TA6) (MLRA	144A, 145, 149B)
Sandy Re				` '			_	arent Material (F21)	, , ,
									TE40)
	Matrix (S6)							hallow Dark Surface (1	(F12)
Dark Surf	ace (S7) ( <b>LRR R, MLRA</b>	(149B)					Other (	(Explain in Remarks)	
3 Indicators of h	nydrophytic vegetation ar	nd wetland	hydrology must be pres	ent unless	dieturbed d	r problemati	•		
		iu wellanu	nyarology mast be pres	ent, uniess	uistar bea c	probleman	T		
Restrictive La	yer (if observed):								
Type: None	Э								
Depth (inch	nes): 8						Hydric Soil F	Present? Yes	No X
2 opu. (o.							1.,,		
Remarks:									
No hydric soils pr	esent at data point, could no	t dig past 8 ir	nches due to gravel refusal						



**Upland AM- View facing North** 



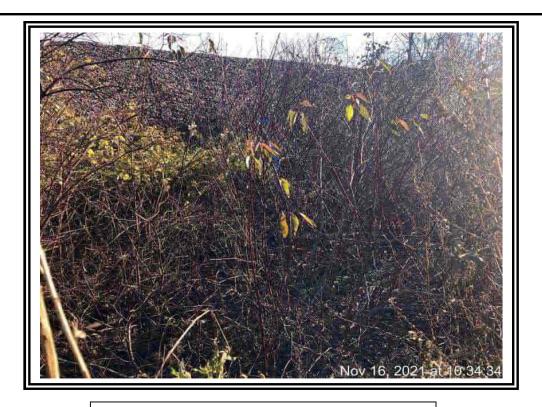
**Upland AM- Soils** 

### SITE PHOTOGRAPHS

Project/Site:	Champlain Huds	on Express		City/Count	ty: <u>Albany</u>		Sampling Date:	November 16, 2021
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-AK
Investigator(s):	Tristen Peterson			Section, To	wnship, Range:	Voorheesv	<del></del> ville	
Landform (hillslope,		Depression			(concave, convex,		Concave	Slope (%): 1
Subregion (LRR or I		LRR R		Lat: 42.656513°	,	: -73.929950		Datum: NAD83
Soil Map Unit Name		nts, loamy-Urban I		Lat. 72.0000.1	11			Mapped
·				-0 V	¥ No			иарреч
Are climatic / hydrol	_	•					explain in Remarks.)	· V N
_		, or Hydrology						Yes No
Are Vegetation							any answers in Remarks.) ansects, important t	
			- I Site iliap c.	Towning Sam.	pinig point ico			
Hydrophytic Vege	tation Present?	Yes _	X No		Is the Sampled A		Yee V No.	
Hydric Soil Presei		Yes _	X No _		within a Wetland?		Yes X No	
Wetland Hydrolog Remarks: (Explain a		Yes _	<u>X</u> No _		If yes, optional We	tland Site ID:	AK	
					and in rep		]	
HYDROLOGY								
Wetland Hydrolo	gy Indicators:						Secondary Indicators (minir	num of two required)
Primary Indicators	(minimum of one	is required; check	k all that apply)				Surface Soil Cracks (B6)	
Surface Wate	er (A1)		X Water-St	tained Leaves (B	39)	<u>x</u>	Drainage Patterns (B10)	
X High Water T	Γable (A2)		Aquatic F	Fauna (B13)		_	Moss Trim Lines (B16)	
X Saturation (A	<b>\3</b> )		Marl Dep	posits (B15)		_	Dry-Season Water Table	(C2)
Water Marks	· ·			n Sulfide Odor (0	**	_	Crayfish Burrows (C8)	
Sediment De					on Living Roots (C3)		Saturation Visible on Aeri	, ,
Drift Deposits			_	e of Reduced Iro		_	Stunted or Stressed Plant	• •
Algal Mat or					Tilled Soils (C6)	<u>x</u>	Geomorphic Position (D2)	)
Iron Deposits	ร (ธอ) ′isible on Aerial Im	eageny (B7)		ck Surface (C7) xplain in Remark	(e)	_	Shallow Aquitard (D3) Microtopographic Relief (I	D4)
_	getated Concave		Ouler (E.	Apiaiii iii Neiliair	NS)	_	FAC-Neutral Test (D5)	<b>J</b> 4)
Field Observation					<del></del>		1710 1104141 1001 (20)	
Surface Water Pre		Yes No	X Depth (	inches):				
Water Table Prese		Yes X No			w	etland Hydr	ology Present? Yes	X No
Saturation Presen		Yes X No				-		
(includes capillary	<u> </u>							
Describe Recorde	d Data (stream ga	auge, monitoring w	vell, aerial photos	i, previous inspe	ctions), if available:			
Remarks:								

Tree Stratum (Plot size: 30 ft. )	Absolute % Cover	Dominant I Species?	ndicator Status	Dominance Test	worksheet:		
1				Number of Domina That Are OBL, FA		3	_(A)
2				Total Number of D	Oominant		
3				Species Across Al	Strata:	4	_(B)
4				Percent of Domina That Are OBL, FA		75	(A/B)
5				macrico OBE, 174			_(//////
6				Prevalence Index Total % Cove		Multiply by:	
7		= Total Cover		OBL species		x 1 = 35	_
Sapling/Shrub Stratum (Plot size: 15 ft.)				FACW species	35	x 2 = 70	
1. Comus alba	20	Yes	FACW	FAC species	0		
2. Cornus amomum	15	Yes	FACW	FACU species	15	·	_
3.				UPL species Column Totals:	<u>0</u> <u>85</u>		— (B)
4						<u></u>	_ (-/
5				Prevalence	Index = B/A = 1	1.70	
6				Hydrophytic Vege			
7				X 2 - Dominand	st for Hydrophyt ce Test is >50%		
	35	= Total Cover		X 3 - Prevalence	ce Index is ≤3.0	1	
Herb Stratum (Plot size: 5 ft.)						ns <sup>1</sup> (Provide supportino separate sheet)	9
Lythrum salicaria		Yes	OBL				
2. Rubus idaeus		Yes	FACU	1.		getation <sup>1</sup> (Explain)	
3. Oenothera biennis			FACU	be present, unless		and hydrology must oblematic	
4				<u> </u>	· ·		
5				Definitions of Veg		: n) or more in diameter	
6				at breast height (D	•	*	
7. 8.				Sapling/shrub – \	Woody plants le	ess than 3 in. DBH	
9.				and greater than o	or equal to 3.28	ft (1 m) tall.	
10.					•	ly) plants, regardless o	of
11.				size, and woody pl			
12.				Woody vines – Al height.	II woody vines g	reater than 3.28 ft in	
	50	= Total Cover					
Woody Vine Stratum (Plot size: 30 ft.)							
1							
2				Hydrophytic Vegetation			
3.				Present?	Yes _	X No	
4							
	0	= Total Cover	•				
Remarks: (Include photo numbers here or on a separate	sheet.)						

SOIL Sampling Point: DP-AK Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) % Color (moist) Loc<sup>2</sup> Remarks Texture (inches) 10YR 3/1 100 Silty Clay Loam 10YR 5/1 100 <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) 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) X Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) 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) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Depth (inches): Hydric Soil Present? Yes No Remarks:



Wetland AK- View facing North



Wetland AK- Soils

### **SITE PHOTOGRAPHS**

Project/Site:	Champlain Huds	son Express		City/Count	y: <u>Albany</u>		Sampling Date:	November 16, 2021		
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-AK-Upland		
Investigator(s):	Tristen Petersor	n		Section, To	wnship, Range:	Voorheesville				
Landform (hillslope,	terrace, etc.):	Terrace		Local relief	(concave, convex,	none): Convex		Slope (%): 1		
, , ,	,	LRR R		— at: 42.656487 °	•	: -73.929961 °W		Datum: NAD83		
Subregion (LRR or				al. 42.00040 <i>1</i>	in Long					
Soil Map Unit Name	E UK - Udorthe	ents, loamy-Urban la	nd complex			NWI clas	sification: Not N	Mapped		
Are climatic / hydrol	ogic conditions or	n the site typical for	this time of year?	'Yes	X No	(If no, explain	n Remarks.)			
Are Vegetation _	, Soil	, or Hydrology	significa	antly disturbed?	Are "N	Normal Circumstances	present?	Yes <u>X</u> No		
Are Vegetation	, Soil	, or Hydrology	naturally	y problematic?	(If nee	eded, explain any answ	rers in Remarks.)			
SUMMA	ARY OF FIND	INGS – Attach	site map sho	owing sam	oling point loc	cations, transect	s, important f	eatures, etc.		
Hydrophytic Vege	etation Present?	Yes	No	х	Is the Sampled A	rea				
Hydric Soil Prese		Yes	No	Х	within a Wetland	? Yes _	No _	<u> </u>		
Wetland Hydrolog		Yes	No	Х	If yes, optional We	etland Site ID:				
HYDROLOGY										
Wetland Hydrolo	gy Indicators:					Secondar	y Indicators (minin	num of two required)		
Primary Indicators	s (minimum of one	e is required; check	all that apply)			Surface	Soil Cracks (B6)			
Surface Wat	er (A1)		Water-Sta	ained Leaves (B	9)	Drainag	e Patterns (B10)			
High Water	Гable (A2)		Aquatic Fa	auna (B13)		Moss Tr	im Lines (B16)			
Saturation (A	<del>/</del> 3)		Marl Depo	osits (B15)		Dry-Sea	son Water Table (	(C2)		
Water Marks	; (B1)		Hydrogen	Sulfide Odor (C	C1)	Crayfish Burrows (C8)				
Sediment De	eposits (B2)		Oxidized F	Rhizospheres o	n Living Roots (C3)	ots (C3) Saturation Visible on Aerial Imagery (C9)				
— Drift Deposit	` '			of Reduced Iron	• •	Stunted or Stressed Plants (D1)				
Algal Mat or	• •				Tilled Soils (C6)		phic Position (D2)			
Iron Deposit	` '		_	Surface (C7)			Aquitard (D3)			
	isible on Aerial Im	,	Other (Exp	plain in Remark	s)		oographic Relief ([	04)		
Sparsely Ve	getated Concave	Surface (B8)				FAC-Ne	utral Test (D5)			
Field Observatio										
Surface Water Pro		Yes No _								
Water Table Pres		Yes No _			<b>"</b>	Vetland Hydrology Pr	esent? Yes	No <u>X</u>		
Saturation Preser		Yes No _	X Depth (in	iches):						
(includes capillary		auge, monitoring we								
Describe Records	id Data (stream g	auge, monitoring we	л, aenai priotos, į	previous inspec	mons), ii avaliable.					
Remarks: No wetland hyd	rology present a	at data point								

Tree Stratum (Plot size: 30 ft. )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test	t worksheet:			
1		<u> </u>		Number of Domir That Are OBL, FA			0	<b>(A)</b>
2				That Are OBL, FA	ACW, of FAC.			_(A)
				Total Number of I			1	(B)
3				'				_(5)
4				Percent of Domin			0	(A/B)
5					· 			_` ′
6				Prevalence Inde				
7				Total % Cov			Itiply by:	
0 1 (0) 1 (0) 1 (0) 1 (15 (1)	0	= Total Cover		OBL species	0	_		
Sapling/Shrub Stratum (Plot size: 15 ft.)				FACW species FAC species	0		)	
1				FACU species	100			
2				UPL species	0	_	)	
3				Column Totals:	100	(A) 4	400	(B)
4								
5				Prevalence	e Index = B/A = 4	4		
6				Hydrophytic Ve	_			
7				1 - Rapid Te			ition	
	0	= Total Cover		_	nce Test is >50% nce Index is ≤3.0	-		
   Herb Stratum (Plot size: 5 ft.)		- Total Gover			ogical Adaptation		de supportir	ıg
1. Lolium perenne	95	Yes	FACU	data in F	Remarks or on a	separate	sheet)	
2. Taraxacum officinale			FACU	Problematic	: Hvdrophytic Ve	getation <sup>1</sup>	(Explain)	
				<sup>1</sup> Indicators of hyd				
3				be present, unles		-		
4				Definitions of W				
5				Definitions of Ve	_			
6				Tree – Woody pla at breast height (	•	•		
7						_		
8.				Sapling/shrub – and greater than				
9				'	·	. ,		_£
10				Herb – All herbad size, and woody	•		-	OI
11				Woody vines – A	All woody vines d	reater tha	n 3 28 ft in	
12				height.	an woody vincs g	ji odlor trio	ar 6.20 it iii	
	100	= Total Cover						
Woody Vine Stratum (Plot size: 30 ft.)								
1								
2.				Hydrophytic				
				Vegetation Present?	Yes _	No	x	
3				riesent?	163 _	NO		
4								
	0	= Total Cove	r					
Remarks: (Include photo numbers here or on a separate sheet.)  No hydrophytic vegetation found at data point								

SOIL Sampling Point: DP-AK-Upland Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) Color (moist) Loc<sup>2</sup> % Texture Remarks (inches) 10YR 2/1 100 Loam Gravel refusal <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) 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) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None No X Depth (inches): 8 Hydric Soil Present? Yes Remarks: Could not dig past 8 inches due to gravel Refusal

	No Photos
Upla	nd AK- View facing -
	No Photos
Ţ	Upland AK- Soils
Phase 1	SITE PHOTOGRAPHS  Champlain Hudson Power Express

Project/Site:	Champlain Huds	on Express		City/Count	y: <u>Albany</u>		Sampling Date:	November 15, 2021
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-AC
Investigator(s):	Tristen Peterson			Section, To	wnship, Range:	Slingerland	 d	
Landform (hillslope,	-	Depression			(concave, conve		Concave	Slope (%): 1
Subregion (LRR or I		LRR R	1	at: 42.640303°I		ong: -73.920249		Datum: NAD83
Soil Map Unit Name		fine sandy loam		ati TZIO ICIDE				Mapped
Are climatic / hydrol		·	r this time of year	) Vac	X No		explain in Remarks.)	парреч
•	ū	••	•					V <b>V</b> No
_		, or Hydrology					-	YesX No
Are Vegetation							any answers in Remarks.) ansects, important f	eatures, etc.
Hydrophytic Vege		Yes _	X No		Is the Sampled within a Wetla		Yes X No	
Hydric Soil Presei Wetland Hydrolog		Yes _ Yes	X No No			Wetland Site ID:		<del></del>
Remarks: (Explain				<del>!</del>	II yes, opaona.	Welland One ib.	<u> </u>	
HYDROLOGY		d FA-AC oi						
Wetland Hydrolo	gy Indicators:						Secondary Indicators (minim	num of two required)
_		is required; check	k all that apply)				Surface Soil Cracks (B6)	
Surface Wate		·		ained Leaves (B	9)		Drainage Patterns (B10)	
X High Water T				auna (B13)	-,		Moss Trim Lines (B16)	
X Saturation (A	43)		Marl Depo	osits (B15)		_	Dry-Season Water Table (	(C2)
Water Marks			Hydrogen	Sulfide Odor (C	C1)	_	Crayfish Burrows (C8)	
Sediment De				Rhizospheres or		(C3) <u>X</u>	Saturation Visible on Aeria	
Drift Deposits			_	of Reduced Iron			Stunted or Stressed Plants	• •
Algal Mat or				on Reduction in	Tilled Soils (C6	<u>X</u>	Geomorphic Position (D2)	
Iron Deposits	s (B5) 'isible on Aerial Im	eccent (R7)		k Surface (C7) plain in Remark	·a)	_	Shallow Aquitard (D3) Microtopographic Relief (D	741
	getated Concave S		Outer (Lx	piani in Nemark	.5)	_	FAC-Neutral Test (D5)	<i>)</i> 4)
Field Observation		Juliado (55)					170-1104441 1001 (20)	
Surface Water Pre		Yes No	X Depth (ir	nches):				
Water Table Prese		Yes X No				Wetland Hydro	ology Present? Yes	X No
Saturation Presen		Yes X No	Depth (ir	ıches): 1				
(includes capillary		auge, monitoring w	voll aprial photos	provious insper	tions) if availab			
Describe Mecordo	u Data (Subani gi	tuge, monitoring w	/eli, aciiai priotos,	previous mapec	siluns), n avanas	л <del>е</del> .		
Remarks:								

Tree Stratum (Plot size; 30 ft. )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
Acer saccharum	10	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	: 2 (A)
2.					
3.				Total Number of Dominant Species Across All Strata:	4 (B)
4				Paraent of Dominant Species	
5				Percent of Dominant Species That Are OBL, FACW, or FAC:	50 (A/B)
6.					
7				Prevalence Index worksheet: Total % Cover of:	: Multiply by:
		= Total Cover		OBL species 30	x 1 = 30
Sapling/Shrub Stratum (Plot size: 15 ft.)				· · · · · · · · · · · · · · · · · · ·	x 2 = 130
Lonicera morrowii	 10	No	FACU	· '	x 3 = 15
Onoclea sensibilis	50	Yes	FACW	FACU species 20	x 4 = <u>80</u>
Typha angustifolia	30	Yes	OBL	UPL species 0	x 5 = 0
Equisetum pratense				Column Totals: 120	(A) <u>255</u> (B)
<u> </u>	15	No	FACW	Prevalence Index = B/A	= 2 12
5					
6				Hydrophytic Vegetation India 1 - Rapid Test for Hydrop	
7				X 2 - Dominance Test is >50	
	105	= Total Cover		X 3 - Prevalence Index is ≤3	
Herb Stratum (Plot size: 5 ft.)				4 - Morphological Adaptated data in Remarks or on	tions <sup>1</sup> (Provide supporting
1					
2				Problematic Hydrophytic	√egetation <sup>1</sup> (Explain)
3				<sup>1</sup> Indicators of hydric soil and w	etland hydrology must
4				be present, unless disturbed or	r problematic.
5				Definitions of Vegetation Stra	ata:
6				Tree – Woody plants 3 in. (7.6	cm) or more in diameter
7				at breast height (DBH), regardl	ess of height.
8				Sapling/shrub – Woody plants	1
9				and greater than or equal to 3.3	28 ft (1 m) tall.
10				Herb – All herbaceous (non-wo	
11.				size, and woody plants less that	
12.				Woody vines – All woody vine height.	s greater than 3.28 ft in
		= Total Cover			
Woody Vine Stratum (Plot size: 30 ft.)					
Vitis riparia	<del></del>	Yes	FAC		
2.			17.0	Hydrophytic	
2.		No		Vegetation	_X No
3		No		Present? Yes	No
4					
	5	= Total Cove	r		
Remarks: (Include photo numbers here or on a separate s	sheet.)				

SOIL Sampling Point: DP-AC Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) % Color (moist) Texture Remarks (inches) 10YR 3/1 100 Clay Sandy Clay 10YR 3/1 7.5YR 5/6 4-10 85 <u>10-</u>20 10YR 4/2 7.5YR 5/6 Silty Clay Loam <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) 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) X 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) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Depth (inches): Hydric Soil Present? Yes No Remarks:



Wetland AC- View facing South



Wetland AC- Soils

### **SITE PHOTOGRAPHS**

Project/Site:	Champlain Huds	on Express		City/Coun	nty: <u>Albany</u>	<i>ı</i>	Sampling Date:	November 15, 2021		
Applicant/Owner:	СНА			State:	NY		Sampling Point:	DP-AC-Upland		
Investigator(s):	Tristen Peterson			Section, To	ownship, Range	e: Slingerland	•			
Landform (hillslope,		Terrace			f (concave, con			Slope (%): 1		
						-		Datum: NAD83		
Subregion (LRR or I		LRR R		Lat: 42.640370	TN I	Long: -73.920211°W				
Soil Map Unit Name	: Sh - Shaker 1	fine sandy loam				NWI cla	ssification: Not N	Mapped		
Are climatic / hydrole	ogic conditions on	the site typical for	r this time of ye	ar? Yes	X No	o (If no, explain	in Remarks.)			
Are Vegetation	, Soil	, or Hydrology	signi	ficantly disturbed	? A	re "Normal Circumstance:	s" present?	Yes X No		
Are Vegetation	, Soil	, or Hydrology	natu	rally problematic?	? (II	f needed, explain any ans	wers in Remarks.)			
SUMMA	ARY OF FIND	NGS – Attach	site map s	showing sam	pling point	locations, transec	ts, important f	features, etc.		
Hydrophytic Vege	station Present?	Yes	No	X	Is the Sample	ed Area				
Hydric Soil Preser		Yes	No	X	within a Wetl		No _	X		
Wetland Hydrolog		Yes	No	X	If yes, optiona	l Wetland Site ID:				
Remarks: (Explain a	alternative proced	ures here or in a s	eparate report	·						
HYDROLOGY										
Wetland Hydrolo	gy Indicators:					Seconda	ry Indicators (minin	num of two required)		
Primary Indicators	(minimum of one	is required; check	all that apply)			Surface	e Soil Cracks (B6)			
Surface Wate	er (A1)		Water-	Stained Leaves (E	B9)	Draina	ge Patterns (B10)			
High Water T	īable (A2)		Aquatio	Fauna (B13)		Moss Trim Lines (B16)				
Saturation (A	۸3)		Marl De	eposits (B15)		Dry-Season Water Table (C2)				
Water Marks	(B1)		Hydrog	en Sulfide Odor (	(C1)	Crayfish Burrows (C8)				
Sediment De	posits (B2)		Oxidize	ed Rhizospheres	on Living Roots	(C3) Satura	tion Visible on Aeria	al Imagery (C9)		
— Drift Deposits	• •		_	ce of Reduced Iro	` '	(C4) Stunted or Stressed Plants (D1)				
Algal Mat or				Iron Reduction in	·	· —	orphic Position (D2)	1		
Iron Deposits		(57)		uck Surface (C7)			v Aquitard (D3)	20		
I —	'isible on Aerial Im getated Concave \$	• • • •	Other (	Explain in Remar	·Ks)		pographic Relief ([	J4)		
						FAC-N	eutral Test (D5)			
Field Observation Surface Water Pre		Yes No	X Denth	(inches):						
Water Table Prese		Yes No				Wetland Hydrology P	rosent? Yes	No X		
Saturation Presen		Yes No				wedana nyarology r	1030111. 103	NO _X_		
(includes capillary				(11100).						
Describe Recorde	d Data (stream ga	auge, monitoring w	ell, aerial photo	os, previous inspe	ections), if availa	able:				
Remarks:										
No wetland hydr	rology present a	ıt data point								

Tree Stratum (Plot size: 30 ft. )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
Pinus resinosa	20	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)	
2.				(A)	
3.				Total Number of Dominant Species Across All Strata: 2 (B)	
				, ,	
4				Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B	3)
5					
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply by:	
	20	= Total Cover		OBL species <u>0</u> x 1 = <u>0</u>	
Sapling/Shrub Stratum (Plot size: 15 ft.)				FACW species $0 \times 2 = 0$	
1				FAC species 0 x 3 = 0	
2				FACU species 105 x 4 = 420 UPL species 0 x 5 = 0	
3				Column Totals: 105 (A) 420 (B)	١
4				(b) 420 (b)	,
5.				Prevalence Index = B/A = 4	
6.				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
				2 - Dominance Test is >50%	
	0	= Total Cover		3 - Prevalence Index is ≤3.0 <sup>1</sup>	
Herb Stratum (Plot size: 5 ft.)				4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
1. Lolium perenne	85	Yes	FACU		
2. Trifolium repens	20	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
3				<sup>1</sup> Indicators of hydric soil and wetland hydrology must	
4				be present, unless disturbed or problematic.	
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.	
9				Sapling/shrub – Woody plants less than 3 in. DBH	
				and greater than or equal to 3.28 ft (1 m) tall.	
9				Herb – All herbaceous (non-woody) plants, regardless of	
10				size, and woody plants less than 3.28 ft tall.	
11				Woody vines – All woody vines greater than 3.28 ft in	
12				height.	
	105	= Total Cover			
Woody Vine Stratum (Plot size: 30 ft.)					
1					
2.				Hydrophytic	
3.				Vegetation   Present?   Yes NoX	
				110361111	
4					
	0	= Total Cove	<u>r                                      </u>		
Remarks: (Include photo numbers here or on a separate sheet.)  No hydrophytic vegetation found at data point					

SOIL Sampling Point: DP-AC-

Depth (inches)         Matrix (inches)         Redox Features (onches)         Type¹         Loc²         Texture         Remarks           0-20         10YR 4/2         100         Sitty Clay Loam         Sitty Clay Loam	
0-20 10YR 4/2 100 Situ Clay Loam	
Only Olay Loan	
	_
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.	_
Hydric Soil Indicators: Indicators for Problematic Hydric Soi	
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLR)	•
Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LR	
Hydrogen Sulfide (A4)  Loamy Mucky Mineral (F1) (LRR K, L)  Dark Surface (S7) (LRR K, L, M)	K K, L, K)
Stratified Layers (A5)  Loamy Gleyed Matrix (F2)  Polyvalue Below Surface (S8) (LR	R 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) (LF	RR K, L, R)
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (N	-
Sandy Gleyed Matrix (S4) Redox Depressions (F8) 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)	
<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
Restrictive Layer (if observed):	
Type: None	
Depth (inches): Hydric Soil Present? Yes	No X
Remarks:	
No hydric soils present at data point	



**Upland AC- View facing South** 



**Upland AC- Soils** 

### **SITE PHOTOGRAPHS**



Upland AC-001E- View facing east



**Upland AC-001E- Soils** 

# Segment 8-Package 5A

### **SITE PHOTOGRAPHS**



Wetland AC-001E- View facing west



Wetland AC-001E- Soils

Segment 8-Package 5A

### **SITE PHOTOGRAPHS**

Project/Site:	Champlain Hudse	on Express		City/County	y: <u>Albany</u>		Sampling Date:	November 15, 2021
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-Z
Investigator(s):	Tristen Peterson			<ul><li>Section, Tov</li></ul>	wnship, Range:	Slingerland	1	
Landform (hillslope,		Depression			(concave, convex, no			Slope (%): 1
		-		_	,			Datum: NAD83
Subregion (LRR or I		LRR R		t: 42.635155°N	N Long.	-73.917517°W		
Soil Map Unit Name			i, 0 to 3 percent slop				ssification: R4SB	ıC
Are climatic / hydrole	-	•				(If no, explain		
_		<del></del>	significar		Are "Nor	mal Circumstances	" present?	Yes No
Are Vegetation	, Soil	, or Hydrology	naturally	problematic?	(If neede	d, explain any ansv	vers in Remarks.)	
SUMMA	RY OF FINDI	NGS – Attach	ı site map sho	wing samp	oling point locat	tions, transect	s, important f	eatures, etc.
Hydrophytic Vege	tation Present?	Yes	<b>X</b> No		Is the Sampled Area	1		
Hydric Soil Preser		Yes _	X No		within a Wetland?		X No _	
Wetland Hydrolog	y Present?	Yes _	X No		If yes, optional Wetla	nd Site ID:	Z	
	cated within a de	epression, adjac	cent to open field		bed. Wetland conr		<b>\A</b> .	
HYDROLOGY								
Wetland Hydrolo	gy Indicators:					Seconda	ry Indicators (minim	num of two required)
Primary Indicators	(minimum of one	is required; check	call that apply)			Surface	Soil Cracks (B6)	
Surface Wate	er (A1)		Water-Stair	ned Leaves (B	9)	Drainag	je Patterns (B10)	
X High Water T			Aquatic Fau	una (B13)		Moss T	rim Lines (B16)	
X Saturation (A			Marl Depos				ason Water Table (	C2)
— Water Marks			X Hydrogen S	•	•		h Burrows (C8)	
Sediment De					n Living Roots (C3)		ion Visible on Aeria	• • • •
— Drift Deposits	~ ~			of Reduced Iron	• •	<del></del>	or Stressed Plants	
Algal Mat or			· <del></del>		Tilled Soils (C6)		rphic Position (D2)	
Iron Deposits	ร (ฮอ) ïsible on Aerial Ima	ccon/ (R7)		Surface (C7) lain in Remark	a)		v Aquitard (D3)	341
_	getated Concave S	. , ,	Oulei (Expi	Alli III Noman	5)		pographic Relief (D eutral Test (D5)	14)
Field Observation		7411435 (ES,						
Surface Water Pre		Yes No	X Depth (inc	:hes):				
Water Table Prese			Depth (inc		Wet	land Hydrology P	resent? Yes	X No
Saturation Presen			Depth (inc				_	
(includes capillary	fringe)							
Describe Recorde	d Data (stream ga	uge, monitoring w	vell, aerial photos, p	revious inspec	ctions), if available:			
Remarks:								

Tree Stratum (Plot size: 30 ft. )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1				Number of Dominant Species That Are OBL, FACW, or FAC:	1 (A)
2.					(' ')
3.				Total Number of Dominant Species Across All Strata:	1 (B)
					(=)
4				Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/B)
5					
6				Prevalence Index worksheet:	
7				Total % Cover of:	Multiply by:
	=	= Total Cover			x 1 = 15
Sapling/Shrub Stratum (Plot size: 15 ft.)				1 '	$x = \frac{180}{2}$
1				l	x = 0 x = 0
2					x5= 0
3				Column Totals: 105	
4				<u></u>	<u></u> (2)
5				Prevalence Index = B/A =	1.85
6.				Hydrophytic Vegetation Indica	tors:
7.				X 1 - Rapid Test for Hydrophy	
				X 2 - Dominance Test is >50%	
Liet Otester (Diet sies 5 &)	0	= Total Cover		X 3 - Prevalence Index is ≤3.0 4 - Morphological Adaptatio	
Herb Stratum (Plot size: 5 ft.)				data in Remarks or on a	
1. Typha latifolia	15	No	OBL		4
Phalaris arundinacea	90	Yes	FACW	Problematic Hydrophytic Ve	
3				<sup>1</sup> Indicators of hydric soil and wet	
4				be present, unless disturbed or p	problematic.
5				Definitions of Vegetation Strat	a:
6				Tree - Woody plants 3 in. (7.6 ci	m) or more in diameter
7				at breast height (DBH), regardles	ss of height.
8.				Sapling/shrub – Woody plants I	ess than 3 in. DBH
9.				and greater than or equal to 3.28	Bft (1 m) tall.
10.				Herb – All herbaceous (non-woo	
11.				size, and woody plants less than	3.28 ft tall.
				Woody vines – All woody vines	greater than 3.28 ft in
12				height.	
	105	= Total Cover			
Woody Vine Stratum (Plot size: 30 ft.)					
1				Hydrophytic	
2				Vegetation	
3				Present? Yes	X No
4					
	0	= Total Cove			
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL Sampling Point: DP-Z Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) Color (moist) <u>Te</u>xture % Remarks (inches) Sandy Clay 10YR 3/1 100 8-0 Loam Sandy Clay 10YR 2/1 100 <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) 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) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Depth (inches): Hydric Soil Present? Yes No Remarks:



Wetland Z- View facing North



Wetland Z- Soils

### **SITE PHOTOGRAPHS**

Project/Site:	Champlain Huds	son Express		City/County	y: <u>Albany</u>		Sampling Date:	November 15, 2021		
Applicant/Owner:	СНА			State:	NY		Sampling Point:	DP-Z-Upland		
Investigator(s):	Tristen Petersor	n		<ul><li>Section, Tov</li></ul>	wnship, Range:	Slingerland				
Landform (hillslope		Terrace			(concave, convex, no			Slope (%): 1		
				_				Datum: NAD83		
Subregion (LRR or		LRR R		t: 42.635248°N	V ∟ong.	-73.917517°W				
Soil Map Unit Name	e: <u>SuA - Suapt</u>	ury fine sandy loam,	, 0 to 3 percent sion	pes				Mapped		
Are climatic / hydro	logic conditions or	n the site typical for	this time of year?	Yes	X No	(If no, explain i	n Remarks.)			
Are Vegetation _	, Soil	, or Hydrology	significar	ntly disturbed?	Are "Nor	rmal Circumstances	' present?	Yes No		
		, or Hydrology		problematic?	•	ed, explain any answ	•			
SUMM	ARY OF FIND	INGS – Attach	site map sho	wing samp	oling point locat	tions, transect	s, important f	eatures, etc.		
Hydrophytic Vege	etation Present?	Yes _	No	Х	Is the Sampled Area	a				
Hydric Soil Prese	ent?	Yes _	No	X	within a Wetland?	Yes _	No _	X		
Wetland Hydrolog	gy Present?	Yes _	No	Х	If yes, optional Wetla	and Site ID:				
HYDROLOGY										
Wetland Hydrold						Secondar	v Indicators (minin	num of two required)		
-		- 'inode obook	-11 414 -mmls.)			· · · · · · · · · · · · · · · · · · ·		1um or two required)		
	•	e is required; check	• • • • •	· · · /D			Soil Cracks (B6)			
— Surface Wat	, ,			ned Leaves (B	э)	Drainage Patterns (B10)				
— High Water	, ,		Aquatic Fat			Moss Trim Lines (B16)				
Saturation (			Marl Depos		• 4 •	Dry-Season Water Table (C2)				
Water Marks	• •			Sulfide Odor (C	•	Crayfish Burrows (C8) oots (C3) Saturation Visible on Aerial Imagery (C9)				
_	eposits (B2)			•	n Living Roots (C3)					
— Drift Deposit	• •			of Reduced Iron	, ,		or Stressed Plants	, ,		
Algal Mat or Iron Deposit	• •			Surface (C7)	Tilled Soils (C6)	<u> </u>				
l —	ເຮ (ສວ) ⁄isible on Aerial In	72300/ (R7)		Surrace (C7) Iain in Remarks	c)		Aquitard (D3) pographic Relief (D	741		
_			— Oulei (Expi	Idii in neman	5)			<i>)</i> 4)		
	egetated Concave	Surface (Bo)					eutral Test (D5)			
Field Observation Surface Water Pr		Yaa Na	Y Donth (inc							
			X Depth (inc		Wat	tland Hydrology Pr		No. Y		
Water Table Pres			X Depth (inc		***	tiand Hydrology Fr	esentr res .	No <u>X</u>		
Saturation Preser (includes capillary		Yes NO	Deptil (inc	:nes):						
		gauge, monitoring w	ell. aerial photos, p	revious inspec	tions). if available:					
					,					
Remarks: No wetland hyd	Irology present a	at data point								

(Plot size: 30 ft.)

Tree Stratum

1				That Are OBL, F			0	_(A)
2				Total Number of				
3				Species Across A	All Strata:		4	_(B)
4.	-			Percent of Domir That Are OBL, FA			0	(A/B)
5					<u> </u>			_` ′
6				Prevalence Inde		Mult	iply by:	_
	0	= Total Cover		OBL species	0	x 1 = 0		_
Sapling/Shrub Stratum (Plot size: 15 ft.)	_			FACW species	0	x 2 = 0		_
1. Fagus grandifolia	5	Yes	FACU	FAC species	10	x3 = <u>30</u>	0	_
2.				FACU species	65	x4 = 26	60	_
				UPL species	0	x5= 0		
3				Column Totals:	75	(A) <u>2</u>	90	(B)
4				Provelope	e Index = B/A = :	2 96		
5				Prevalence	e muex – b/A –	3.00		
6				Hydrophytic Ve	_			
7				1 - Rapid Te			ion	
	5	= Total Cover		2 - Dominar	nce Index is ≤3.0			
Herb Stratum (Plot size: 5 ft.)				4 - Morphole			le supportin	g
Arctium spp.	30	Yes	NI	data in F	Remarks or on a	separate s	sheet)	
Glechoma hederacea	25	Yes	FACU	Problematic	: Hvdrophvtic Ve	aetation <sup>1</sup> (	Explain)	
Rubus idaeus			FACU	1Indicators of hyd				
4. Galium boreale			FAC	be present, unles		•		
5			17.0	Definitions of V	egetation Strata	a:		
				Tree – Woody pl	-		in diameter	
6.				at breast height (	•	•		
7						_		
8				Sapling/shrub – and greater than				
9				Herb – All herba	•			of
10.				size, and woody	•		•	·
11.				Woody vines – /	All woody vines o	greater thar	n 3.28 ft in	
12				height.				
	100	_ = Total Cover						
Woody Vine Stratum (Plot size: 30 ft.)	-							
1								
2.				Hydrophytic Vegetation				
3.				Present?	Yes _	No	X	
4.								
		= Total Cover						
Remarks: (Include photo numbers here or on a separate sheet.				•				
No hydrophytic vegetation found at data point	,							
1								

Absolute

% Cover

Dominant

Species?

Indicator

Status

SOIL Sampling Point: DP-Z-Upland Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) % Color (moist) Loc<sup>2</sup> Remarks Texture (inches) 10YR 3/1 100 Silty Clay Loam 10YR 4/2 100 <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) 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) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None No X Depth (inches): Hydric Soil Present? Yes Remarks: No hydric soils present at data point



Upland Z- View facing North



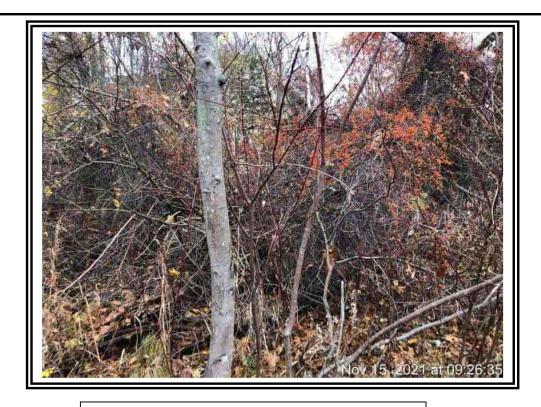
**Upland Z- Soils** 

### **SITE PHOTOGRAPHS**

Project/Site:	Champlain Huds	son Express			City/Count	ty: <u>Albany</u>	/	Sa	ampling Date:	November 15, 2021	1
Applicant/Owner:	СНА				State:	NY		Sa	ampling Point:	DP-W	
Investigator(s):	Tristen Petersor	n			— Section, To	wnship, Range	e: Slingerlar	nd			
Landform (hillslope,		Depression				(concave, conv	-	Concave		Slope (%): 1	
Subregion (LRR or		LRR R			t: 42.632900°		Long: -73.91608			Datum: NAD83	
						in .	_Ulig70.51000		Not N		—
Soil Map Unit Name		uents-Udifluvents co					(15	_ NWI classifi		Mapped	—
Are climatic / hydrol	_	•						o, explain in F			
Are Vegetation _							re "Normal Circu	ımstances" pı	resent?	Yes <u>X</u> No	—
Are Vegetation	, Soil	, or Hydrology		_naturally	problematic?	(If	f needed, explain	n any answer	s in Remarks.)		
SUMMA	ARY OF FIND	INGS – Attach	ı site m	ap sho	wing sam	pling point	locations, tr	ransects,	important f	eatures, etc.	
Hydrophytic Vege	etation Present?	Yes	х	No		Is the Sample	ed Area				
Hydric Soil Prese		Yes _	Х	No		within a Wetl		Yes	X No		
Wetland Hydrolog	gy Present?	Yes _	Х	No _		If yes, optiona	al Wetland Site ID	D: <u>V</u>			
		depression adjace						W-018			
HYDROLOGY											
Wetland Hydrolo	ogy Indicators:							Secondary Ir	ndicators (minim	num of two required)	_
Primary Indicators	s (minimum of one	e is required; check						_	oil Cracks (B6)		
Surface Wat					ned Leaves (B	19)	<u>x</u>	_	Patterns (B10)		
X High Water	. ,				una (B13)		Moss Trim Lines (B16)				
X Saturation (A	•			-	sits (B15) Sulfide Oder ((	24)	_	_	in Water Table (	(C2)	
Water Marks			_		Sulfide Odor ((				urrows (C8)	al Imagani (CO)	
Sediment De Drift Deposit					inizospneres o of Reduced Iro	on Living Roots	(03)		Visible on Aeria		
Algal Mat or						on (C4) i Tilled Soils (C	(6) X	_	Stressed Plants ic Position (D2)		
Iron Deposits					Surface (C7)	111100 000 (-	o) <u></u>	_	quitard (D3)	!	
l —	/isible on Aerial Im	nagery (B7)	_		lain in Remark	ks)	X	_	graphic Relief (D	<b>D4</b> )	
l <del></del>	getated Concave		_			,	_		ral Test (D5)	,	
Field Observation						Т		_	-		
Surface Water Pr		Yes No	<u>X</u> [	Depth (inc	ches):	[					
Water Table Pres	ent?	Yes X No				Ī	Wetland Hyd	drology Pres	ent? Yes	X No	_
Saturation Preser	nt?	Yes X No		Depth (inc	:hes): 1	[					
(includes capillary											
Describe Recorde	ed Data (stream g	gauge, monitoring w	ell, aerial	photos, p	revious inspe	ctions), if availa	able:				
Remarks:											

Tree Stratum (Plot size: 30 ft. )	Absolute % Cover	Dominant Species?	ndicator Status	Dominance Test	worksheet:			
1. Salix nigra	15	Yes	OBL	Number of Domir That Are OBL, FA			5	(A)
2.								_(' ')
3.				Total Number of I Species Across A			5	(B)
				'			-	_(-/
				Percent of Domin			100	(A/B)
5								`
6				Prevalence Inde				
7				Total % Cov			lultiply by:	_
-	15 :	= Total Cover		OBL species	35			
Sapling/Shrub Stratum (Plot size: 15 ft.)				FACW species	110			
1. Comus amomum	25	Yes	FACW	FAC species	0			
2. Salix nigra	10	Yes	OBL	FACU species UPL species	0			
3				Column Totals:	145		255	
4				Column Totals.	143	(^)	233	_ (b)
5				Prevalence	e Index = B/A = 1	1.75		
6.				Hydrophytic Veg	netation Indicat	ors:		
7				X 1 - Rapid Te	-		tation	
· ·				X 2 - Dominan	ice Test is >50%	)		
-	35	= Total Cover		X 3 - Prevalen				
Herb Stratum (Plot size: 5 ft.)				l —	ogical Adaptatior Remarks or on a	•		ıg
Onoclea sensibilis	30	Yes	FACW	data iii i	temarks of on a	зерагас	e sileet)	
Symphyotrichum novae-angliae	40	Yes	FACW	Problematic	Hydrophytic Ve	getation	<sup>1</sup> (Explain)	
3. Phalaris arundinacea	15	No	FACW	<sup>1</sup> Indicators of hyd	tric soil and wetl	and hyd	rology must	
Symplocarpus foetidus	10	No	OBL	be present, unless disturbed or problematic.				
5.				Definitions of Ve	egetation Strata	ι:		
6.				Tree – Woody pla	-		re in diameter	-
				at breast height (	,	•		
7				Sapling/shrub –	Woody plants le	see than	3 in DBH	
				and greater than	• •			
9				Herb – All herbad	eous (non-wood	dv) nlani	ts renardless	of
10				size, and woody	•		-	<b>.</b>
11				   Woody vines – A	All woody vines o	reater t	han 3 28 ft in	
12				height.	iii iioody viiioo g	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ian oizo it iii	
_	95	= Total Cover						
Woody Vine Stratum (Plot size: 30 ft.)								
1								
				Hydrophytic				
2				Vegetation		ν.	_	
3				Present?	Yes _	\	lo	
4								
	0	= Total Cover	•					
Remarks: (Include photo numbers here or on a separate sheet.)								

SOIL Sampling Point: DP-W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) Color (moist) Loc<sup>2</sup> Remarks % Texture (inches) 0-20 10YR 2/1 100 Clay Loam <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) 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) X Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) 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) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Depth (inches): Hydric Soil Present? Yes No Remarks:



Wetland W- View facing North



Wetland W- Soils

### **SITE PHOTOGRAPHS**

Project/Site:	Champlain Hud	son Express		City/County	y: <u>Albany</u>		Sampling Date:	November 15, 2021		
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-W-Upland		
Investigator(s):	Tristen Petersor	n		Section, Tov	wnship, Range:	Slingerland				
Landform (hillslope,		Hillslope			(concave, convex,			Slope (%): 3		
		-		_		,		Olope (70):		
Subregion (LRR or		LRR R		t: 42.632953°N	V Long	g: -73.916089°W				
Soil Map Unit Name	e: <u>Fx - Fiuvaqu</u>	uents-Udifluvents co	mplex, frequently r	ilooded				Mapped		
Are climatic / hydro	logic conditions of	n the site typical for	this time of year?	Yes	X No	(If no, explain i	n Remarks.)			
Are Vegetation _	, Soil	, or Hydrology	significar	ntly disturbed?	Are "N	Normal Circumstances	' present?	Yes No		
Are Vegetation _	, Soil	, or Hydrology	naturally	problematic?	(If nee	eded, explain any answ	ers in Remarks.)			
SUMMA	ARY OF FIND	INGS – Attach	site map sho	wing samp	oling point loc	cations, transect	s, important f	eatures, etc.		
Hydrophytic Vege	etation Present?	Yes _	No		Is the Sampled A					
Hydric Soil Prese	ent?	Yes _	No	Х	within a Wetland	? Yes _	No _	X		
Wetland Hydrolog	gy Present?	Yes _	No	Х	If yes, optional We	etland Site ID:				
HYDROLOGY										
						Secondar	· Indicators (minin	of two required)		
Wetland Hydrolo		· · · · · · · · · · · · · · · · · · ·						num of two required)		
		e is required; check	• • • • • • • • • • • • • • • • • • • •				Soil Cracks (B6)			
Surface Wat				ned Leaves (B	9)		e Patterns (B10)			
High Water			Aquatic Fa			Moss Trim Lines (B16)				
Saturation (A			Marl Depos			Dry-Season Water Table (C2)				
Water Marks	, ,			Sulfide Odor (C	•	Crayfish Burrows (C8)				
l —	eposits (B2)			-	n Living Roots (C3	<u> </u>				
— Drift Deposit	• •			of Reduced Iron	• •	Stunted or Stressed Plants (D1)				
Algal Mat or	• •				Tilled Soils (C6)	· · · · · · · · · · · · · · · · · · ·				
Iron Deposit	เร (ฮอ) Visible on Aerial In	7000/ (P7)	_	Surface (C7) lain in Remark	·a\		Aquitard (D3) pographic Relief (D	241		
l —		• • • •	— Other (Expr	lain in remark	s)			J4)		
	egetated Concave	Suпасе (ва)				FAC-INE	eutral Test (D5)			
Field Observation		Y No	V Donth (inc	-1- <u></u> \.						
Surface Water Pr		Yes No				Wetland Hydrology Pr		Na Y		
Water Table Pres		Yes No Yes No			'	vetiand mydrology Fi	esentr res .	No <u>X</u>		
Saturation Preser (includes capillary		Yes NO _	Deptil (inc	:nes):						
		gauge, monitoring we	ell. aerial photos, p	revious inspec	tions). if available:	:				
	, -				,,					
Remarks: No wetland hyd	drology present a	at data point								

(Plot size: 30 ft.)

Tree Stratum

1. Pinus strobus

2.	Quercus ellipsoidalis	15	Yes	UPL	T-4-1 November of Density and				
3.	Acer saccharum	15	Yes	FACU	Total Number of Dominant Species Across All Strata:	5(B	3)		
4	Fagus grandifolia	10	No	FACU	Percent of Dominant Species				
5.					That Are OBL, FACW, or FAC:	0(A	¥⁄B)		
					Prevalence Index worksheet:				
					Total % Cover of:	Multiply by:			
	-	60	= Total Cover		OBL species 0	x 1 = <u>0</u>			
Sap	ling/Shrub Stratum (Plot size: 15 ft.)				'	x 2 = 0			
1.	Fagus grandifolia	10	Yes	FACU		x 3 = <u>0</u>			
2.			. <u> </u>		· —	x 4 = 260 x 5 = 75			
3.						A) <u>335</u>	(B)		
4.					, column rotals.	., <u>555</u>			
5.					Prevalence Index = B/A = 4.1	8			
					Hydrophytic Vegetation Indicators	s:			
7.			. <u> </u>		1 - Rapid Test for Hydrophytic	Vegetation			
		10	= Total Cover		2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 <sup>1</sup>				
Hert	o Stratum (Plot size: 5 ft.)	10	- Total Gover		4 - Morphological Adaptations <sup>1</sup>	(Provide supporting			
1.	Acer saccharum	10	Yes	FACU	data in Remarks or on a se	parate sheet)			
2.					Problematic Hydrophytic Veget	tation <sup>1</sup> (Explain)			
					<sup>1</sup> Indicators of hydric soil and wetland				
					be present, unless disturbed or problematic.				
5.					Definitions of Vegetation Strata:				
6					Tree – Woody plants 3 in. (7.6 cm)	or more in diameter			
			·		at breast height (DBH), regardless of				
8.					Sapling/shrub – Woody plants less	than 3 in. DBH			
۵					and greater than or equal to 3.28 ft (				
10					Herb – All herbaceous (non-woody)	plants, regardless of			
					size, and woody plants less than 3.2	28 ft tall.			
	·				Woody vines – All woody vines great height.	ater than 3.28 ft in			
12	·	40	- Total Cavor		neight.				
\ <b>\</b> /o.	- ody Vine Stratum (Plot size: 30 ft.)	10	_ = Total Cover						
	ody vine Stratum (Piot size, 30 ft.)								
1.					Hydrophytic				
2.			· —— ·		Vegetation	v			
3.			·		Present? Yes	NoX			
4.									
		0	= Total Cover						
	Remarks: (Include photo numbers here or on a separate sheet.)  No hydrophytic vegetation found at data point								

Absolute

20

Dominant

Yes

% Cover Species?

Indicator

Status

FACU

SOIL Sampling Point: DP-W-Upland Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) % Color (moist) Remarks Texture (inches) 10YR 4/3 100 Silty Clay Loam 10YR 5/4 7.5YR 5/8 5-12 90 10YR 5/6 7.5YR Silty Clay Loam <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Loamy Mucky Mineral (F1) (LRR K, L) Hydrogen Sulfide (A4) Dark Surface (S7) (LRR K, L, M) 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) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None No X Depth (inches): Hydric Soil Present? Yes Remarks: No hydric soils present at data point