

Draft Environmental Impact Statement

Appendix E Wetland Delineation Report



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CLOVEWOOD Wetland Delineation Report

Site Investigation And Assessment

RECEIVED

APR 2 0 2018

Prepared For: Simon Gelb, CPC P.O. Box 2020 Monroe, NY 10949

Environmental Permits NYSDEC Region 3 - New Paltz

June 2017

Prepared By:



ROBERT G. TORGERSEN Landscape Architecture and Environmental Sciences 3 Main Drive Nanuet, NY 10954

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Attachment 4	Wetlands Photographs
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Clovewood Wetland Delineation

Clovewood Project NYS Route 208 and Clove Road Monroe, NY 10950 Blaggs Clove Village of South Blooming Grove Orange County, New York

Abstract

Introduction

The Clovewood Project Site is comprised of 708.17 acres of land in the Hudson River watershed, located on NYS Route 208 and Clove Road in an area named Blaggs Clove within the Village of South Blooming Grove, Orange County, New York.

The property contains 35.36 total acres of wetlands, of which 34.98 acres are under the jurisdiction of the The United States Army Corps of Engineers ("US ACOE) and 0.38 acres are isolated non-jurisdictional wetlands (Wetland P). Of the 34.98 acres under the jurisdiction of the US ACOE, 23.03 are also under the jurisdiction of the New York State Department of Environmental Conservation ("NYS DEC").

As a result, the total regulatory jurisdictional wetlands total an area of only 34.98 acres, which account for approximately 5% of the Project Site. Those regulatory jurisdictional wetlands are described below.

US ACOE Wetlands

The 34.98 acres of US ACOE wetlands accounts approximately 5% of the total Project Site area and includes 23.03 acres of Wetlands No. 1, which includes Wetlands No. A, B, C, D, L and Pond 2, and 11.95 acres comprised of Wetlands No. E, F, G, H, I, J, K, M, N, O, Q, R, S, T and Pond 1. Together, these wetlands contain a total of 617 flags.

Clovewood Wetland Delineation

A jurisdictional determination was issued by the US ACOE on June 7, 2017 (see Attachment 1). These jurisdictional waters are shown on the map found in Attachment 2.

NYS DEC Wetlands

The NYS DEC freshwater wetlands boundary was delineated in 2014 and 2015 by the NYS DEC and was validated by the NYS DEC on November 16, 2015 and was submitted to the Village on December 18, 2015 (see Attachment 3). It includes 23.03 acres of wetlands that are also under the jurisdiction of the US ACOE identified as Wetland No. 1, which includes Wetlands No. A, B, C, D, L and Pond 2, accounting for approximately 3% of the Project Site. These wetlands contain a total of 348 flags.

Any proposed construction, grading filling, excavating, clearing or other regulated activity in the NYS DEC fresh water wetlands or within 100 feet of the wetland boundary requires a permit from NYS DEC under Article 24 of the Environmental Conservation Law (Freshwater Wetlands Act) prior to the commencement of work.

Photographs & Wetland Delineation Data

Attachment 4 includes photographs of the wetlands and ponds located on the Project Site and Attachment 5 includes the data from the wetland delineations for each of the wetlands on the Project Site.

Conclusions

The Clovewood Project proposes no construction, grading filling, excavating, clearing or other regulated activity on the wetlands as well as within 100 feet of the NYS DEC wetland boundary. Therefore, the Project, as proposed, would not require a permit from either the US ACOE or the NYS DEC in this regard.

Attachment 1 Jurisdictional Determination from the US ACOE

See updated JD after this Report

Attachment 2 US ACOE Wetlands Maps

See updated Freshwater Wetlands Map after this Report

Attachment 3 NYS DEC Wetlands Map



Attachment 4 Photographs of Wetlands

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NYS LA LIC. # 451 NJS LA CERT. # 148

Clovewood Wetland photos. July 3, 2015



Photo area O



Photo area P



Photo area Q



Photo area C



Photo area D



Photo area N



Photo area E



Photo area A



Photo area B



Photo area M



Photo area R



Photo area S



Photo – Pipe into area I



Photo – Pond 1



Photo area J



Photo area K



Photo area H



Photo area L



Photo area F



Photo area G

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NYS LA LIC # 451 NJS LA LIC # 148 CPESC Cert. # 899

Clovewood Area T Wetlands - March 24, 2016



Photo # 1 - Area T wetland



Photo #2 - Area T wetland

ED BY REGULATORY

JUL 1 3 2016

NY DIST. CORPS OF ENGINEERS

Attachment 5 Wetland Delineation Data

	FORM – Northcentral and Northeast Region
Project/Site: Cloue Wood Cit	ty/County: Orange Co Sampling Date: May Ze
Applicant/Owner:CDC	State: NY, Sampling Point: A
Investigator(s): Robert Torgerten se	
Landform (hillslope, terrace, etc.):	Local relief (concave convex none) CONCAVE
Slope (%): Lat: <u>41 - 23 - 3 - 66 N</u> Lo	ng: 74 - 10 - 4.13 (J Datum: COOGLE
Soil Map Unit Name: <u>Carradausinva</u>	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	
	turbed? INC Are "Normal Circumstances" present? Yes K. No
Are Vegetation, Soil, or Hydrology naturally proble	
	impling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks: (Explain alternative procedures here or in a separate report.)	Is the Sampled Area within a Wetland? Yes No If yes, optional Wetland Site ID:
wetlands along bunked-old	man made pend network
YDROLOGY	\sim
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)	
High Water Table (A2) High Water Table (A2) Saturation (A3) Mari Deposits (B15)	
Water Marks (B1) Hydrogen Sutfide Oc	
	res on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
_ Drift Deposits (B3) Presence of Reduce	
	on in Tilled Soils (C6) Geomorphic Position (D2)
_ Iron Deposits (B5) Thin Muck Surface (_ Inundation Visible on Aerial Imagery (B7) Other (Explain in Re	_
_ Sparsely Vegetated Concave Surface (B8)	marks) Microtopographic Relief (D4)
old Observations	
urface Water Present? Yes _/ No Depth (inches):	18
urface Water Present? Yes <u>//</u> No Depth (inches): fater Table Present? Yes No Depth (inches):	18 Westiend Mudicilianu Research Yes No
urface Water Present? Yes No Depth (inches): ater Table Present? Yes No Depth (inches): ituration Present? Yes No Depth (inches): ituration Present? Yes No Depth (inches): ituration Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
/ater Table Present? Yes No Depth (inches):	
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unface Water Present? Yes No Depth (inches): fater Table Present? Yes No Depth (inches): aturation Present? Yes No Depth (inches): aturation Present? Yes No Depth (inches): acudes capillary fringe) Bescribe Recorded Data (stream gauge, monitoring well, aerial photos, presented	vious inspections), if available:
urface Water Present? Yes No Depth (inches): fater Table Present? Yes No Depth (inches): aturation Present? Yes No Depth (inches): aturation Present? Yes No Depth (inches): aturation Present? Yes No Depth (inches): acudes capillary fringe) Scribe Recorded Data (stream gauge, monitoring well, aerial photos, present)	vious inspections), if available:
urface Water Present? Yes <u>Ves</u> No <u>Depth</u> (inches): <u></u> ater Table Present? Yes <u>No</u> Depth (inches): <u></u> aturation Present? Yes <u>No</u> Depth (inches): <u>Scludes capillary fringe)</u>	vious inspections), if available:

-love wood 2015 A Sampling Point: VEGETATION – Use scientific names of plants. Dominance Test worksheet: Absolute Dominant' Indicator % Cover Species? Status Number of Dominant Species Tree Stratum (Plot size: _____) (A) That Are OBL, FACW, or FAC: FACIN 1. PIN OAK FAC 2. RED MAPLE Total Number of Dominant **(B)** Species Across All Strata: 3. Percent of Dominant Species (A/B) That Are OBL, FACW, or FAC: Prevalence Index worksheet: 6._____ Total % Cover of: Multiply by: OBL species _____ x 1 = _____ = Total Cover FACW species _____ x 2 = _____ Sapling/Shrub Stratum (Plot size: _____) FAC species _____ x 3 = ____ FACI 1. SILKY DOGWOOD FACU species _____ x 4 = _____ 2. MULTIFLORA ROSE x 5 = _____ UPL species Column Totals: _____ (A) _____ (B) 3. SPICE BUSH PACE 4. SILBY WILLOW Prevalence Index = B/A = _____ Hydrophytic Vegetation Indicators: 5._____ Rapid Test for Hydrophytic Vegetation 6. ____ Dominance Test is >50% = Total Cover Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting Herb Stratum (Plot size: _____) data in Remarks or on a separate sheet) OBL 1. TUSJOCK SEDLE Problematic Hydrophytic Vegetation¹ (Explain) 2. SOFT RUSH FACULT FACUE Indicators of hydric soil and wetland hydrology must 3. BEED CANARY GRASS be present, unless disturbed or problematic. 4. CANADA BUSH OBL Definitions of Vegetation Strata: 5._____ Tree - Woody plants 3 in. (7.6 cm) or more in diameter _____ 6._____ at breast height (DBH), regardless of height. 7._____ _____ Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall. 8._____ 9._____ Herb - All herbaceous (non-woody) plants, regardless 10.______ of size, and woody plants less than 3.23 ft tall. 11.______ Woody vines - All woody vines greater than 3.28 ft in height. 12. = Total Cover Woody Vine Stratum (Plot size: _____) 1. 2._____ 3.______ Hydrophytic Vegetation Yes K No____ Present? = Total Cover scoub/shab to to rest up habitat a long banks of pond Remarks: (Include photo numbers here or on a separate sheet.)

Northcentral and Northeast Region – Interim Version

Clouewood 2015 A

Sampling Point:

OIL Brafilo Desc	ription: (Describe 1	to the dept	h needed to docun	nent the indicator of	commu	he absence of indicators.)
			Redu		2	Texture Remarks
Depth	Matrix Color (moist)	%	Color (moist)	<u>% Type</u> ¹	Loc ²	Texture Remarks
(inches)	Color (moist)					
	301					
6	51R 2.5/	100				
10	CUD AL	100				
12	2115 21		C. 2 41	10		
10	54R 4/1	90	5815 1/4	10		
		-				
		-				
		-				
	-					· · · · · · · · · · · · · · · · · · ·
	5.000					
	-			S=Covered or Coate	d Sand Gra	ains. ² Location: PL=Pore Lining, M=Matrix.
¹ Type: C=0	Concentration, D=Dep	pletion, RM	=Reduced Matrix, C	S=Covered or Coate		Indicators for Problematic Hydric Soils ³ :
Hydric Soi	I Indicators:			ow Surface (S8) (LRF		2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histos			Polyvalue Beio MLRA 1498		,	Coast Prairie Redox (A16) (LRR K, L, K)
Histic	Epipedon (A2)		MLKA 149	face (S9) (LRR R, MI	RA 149B)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	listic (A3)			Mineral (F1) (LRR K	, L)	
	gen Sulfide (A4)		Loamy Gleyed	Matrix (F2)		Polyvalue Below Surface (S8) (LRR K, L)
Stratifi	ed Layers (A5)	(011)	Depleted Matr	ix (F3)		Thin Dark Surface (S9) (LRR K, L)
Deplei	ed Below Dark Surfa	ce (ATT)	Redox Dark S	urface (F6)		Iron-Manganese Masses (F12) (LRR K, L, R
Thick	Dark Surface (A12)		Depleted Darl	Surface (F7)		Piedmont Floodplain Soils (F19) (MLRA 149
Sandy	Mucky Mineral (S1)		Redox Depres	sions (F8)		Mesic Spodic (TA6) (MLRA 144A, 145, 149)
Sandy	Gleyed Matrix (S4) Redox (S5)					Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
	ed Matrix (S6)					Other (Explain in Remarks)
Suipp	Surface (S7) (LRR R,	MLRA 149	B)			Other (Explain in Remains)
					1' . t h. a. a	l er problematic
³ Indicators	of hydrophytic veget	ation and w	etland hydrology m	ust be present, unles	s disturbed	l or problematic.
Restrictiv	e Layer (if observed	1):				
Restrictiv	e Layer (if observed	1):				
Restrictiv Type: _	e Layer (if observed	l):				
Restrictiv Type: _ Depth	e Layer (if observed inches):	l):				
Restrictiv Type: _ Depth Remarks:	e Layer (if observed	l):				Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	e Layer (if observed	l):				Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	e Layer (if observed	l):	- r1ol	lic Hap	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	e Layer (If observed (inches):	1): 	- r-1ol	lic Hap	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	e Layer (If observed (inches):	1): 	- r-10l	lic Hap	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	e Layer (If observed (inches):	1): 	- Mol	lic Hap cational	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	e Layer (If observed (inches):	1): 	- Mol ocal En	lic Hap cotional	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	e Layer (if observed	1): 	- Mol ocal é n	lic Hap cotions	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	e Layer (If observed (inches):	1): 	- Mol ocal é n	lic Hap cations	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	inches):	1): 	- Mol ocal é n	lic Hap cotions	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	inches):	1): 	- Mol ocal é n	lic Hap cations	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	inches):	1): 	- Mol ocal é n	lic Hap cations	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	inches):	1): 	- Mol ocal é n	lic Hap cations	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	inches):	1): 	- Mol ocal é n	lic Hap cations	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	inches):	1): 	- Mol ocal é n	lic Hap cations	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	inches):	1): 	- Mol ocal é n	lic Hap cations	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	e Layer (If observed (inches):	1): 	- Mol ocal é n	lic Hap cations	lago	Hydric Soil Present? Yes No
Restrictiv Type: _ Depth Remarks:	e Layer (If observed (inches):	1): 	- Mol ocal é n	lic Hap cations	lago	Hydric Soil Present? Yes No

WETLAND DETERMINATION DAT			
Project/Site: Clour wood	City/County:	ORANGE	_ Sampling Date: May 204
Applicant/Owner: CPC		State:	
Investigator(s): ROBERT 6. TORGERSEN	Section, Township	o, Range:	
Landform (hillsland torrace ata);	Local r	ellef (concave, convex, none)	: <u>concave</u>
Sione (%): Lat: 4-1-23-9.15 N	Long: 74 -	10-8.670	Datum:
Soil Map Unit Name: Canada ged	·	NWI classifi	ication: <u>PSSLC</u>
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes K	No (If no, explain in I	Remarks.)
Are Vegetation, Soil, or Hydrology significanti	y disturbed? / O	Are "Normal Circumstances"	present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? NO	(if needed, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing			
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	is the Sam within a W	pled Area -	No
Remarks: (Explain alternative procedures here or in a separate report Forcest wetliand habitat Hydric Soil Chromas Seasonal Stundy Water			
HYDROLOGY		~	
Drift Deposits (B3) Presence of Re	Leaves (89) (813) (815) de Odor (C1) spheres on Living F educed Iron (C4) iduction in Tilled So face (C7)	Crayfish Bun Roots (C3) Saturation V Stunted or S ils (C6) Geomorphic Shallow Aqui	tterns (B10) Ines (B16) Water Table (C2) rows (C8) isible on Aerial Imagery (C9) tressed Plants (D1) Position (D2) Itard (D3) uphic Relief (D4)
Field Observations:	12		
Surface Water Present? Yes No Depth (inches) Water Table Present? Yes No Depth (inches)	•		
Water Table Present? Yes No Depth (inches) Saturation Present? Yes No Depth (inches)		Wetland Hydrology Presen	t? Yes No
(Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photo		ons) if available:	
Describe Newrood Data (augain yauga, montoring won, asiai prod			
Remarks: Surtace Runall- & Ground Water Connects to W. Area A via surface	ostlet-fe	ed area	
30 acre waterhed, 5 onsit	Z		

Northcentral and Northeast Region - Interim Version

VEGETATION - Use scientific names of plants.

Sampling Point: __

B

Tree Stratum (Plot size:)	Absolute		nt Indicator	
Quil AN			<u>FACL</u>	Number of Dominant Species
2. GREY BIRCH				
3. BED MAFLE.				- I Total Number of Dominant
4				- Percent of Dominant Species That Are OBL, FACW, or FAC: (AVB)
5				
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Co	over	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:)				FACW species x 2 =
1. SPILE BUSH	-		FAC	FAC species x 3 =
2. SILKY WILLOW			OBL	FACU species x 4 = UPL species x 5 =
3. STEEPLEBUSH			FACW	UPL species x 5 = Column Totals: (A)
4. WINTER BERRY			EACH	(A) (B)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
-				Dominance Test is >50%
Herb Stratum (Plot size:)				Prevalence Index is ≤3.0 ¹
1. JUSSOCK SEDGE			OBL	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. SOFT RUSH			FACWE	The second s
3. SENSITIVE FERN				
4. CININIMON FERN				¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
5. IRIS 6. JACK IN PULPIT			FACH	Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
9				
10				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.23 ft tall.
11				
12	<u> </u>			Woody vines - All woody vines greater than 3.28 ft in height.
	=	Total Cov	er	
Woody Vine Stratum (Plot size:)				
2				
3	· · · ·			Hydrophytic
l				Vegetation Present? Yes 1/2 No
		Fotal Cove	ər	
Remarks: (include photo numbers here or on a separate sh	eet.)			
Forest Habitat				
				т. Т
				· · · · · · · · · · · · · · · · · · ·

clovewood 2015 B

SOIL								Sampling Poir	nt:
Profile Des	cription: (Describe	to the depth	needed to docum	nent the i	indicator	or confirm	the absence of i	ndicators.)	a 1
Depth	Matrix		Redo	x Feature	S				
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
2	7.54R 3/2				. <u></u>				
10			754R.4/4	Ċ		1			
	<u></u>		1 3 1 1 1 14						
									· · · ·
									5 x *
								· · · · · · · · · · · · · · · · · · ·	
								· · · · · · · · · · · · · · · · · · ·	
<u>~</u>		,	1 						
	ncentration, D=Deple	tion RM=R	aduced Matrix CS-		ar Costor	Sand Gra	ins ² l ocation	: PL=Pore Lining, M	A=Matrix
Hydric Soil In			sudced Matrix, CO-	Covered	UI CUALEC	Janu Gra		Problematic Hydric	
Black His Hydrogen Stratified Depleted Thick Dar Sandy Mu Sandy Gla Sandy Re Sandy Re Dark Surfa	pedon (A2) tic (A3) Sulfide (A4) Layers (A5) Below Dark Surface (k Surface (A12) tcky Mineral (S1) eyed Matrix (S4) dox (S5) Matrix (S6) ace (S7) (LRR R, ML		Polyvalue Below MLRA 149B) Thin Dark Surfac Loamy Mucky Mii Loamy Gleyed M Depleted Matrix (Redox Dark Surfa Depleted Dark Su Redox Depressio	e (S9) (LI neral (F1) atrix (F2) F3) ace (F6) Irface (F7 ns (F8)	RR R, ML) (LRR K, ')	RA 149B) L)	Coast Prairi 5 cm Mucky Dark Surfac Polyvalue B Thin Dark S Iron-Mangar Piedmont FI Mesic Spodi Red Parent Very Shallov Other (Expla	(A10) (LRR K, L, Mi e Redox (A16) (LRF Peat or Peat (S3) (e (S7) (LRR K, L) elow Surface (S8) (I urface (S9) (LRR K, nese Masses (F12) (oodplain Soils (F19) ic (TA6) (MLRA 144 Material (TF2) v Dark Surface (TF1 in in Remarks)	R K, L, R) LRR K, L, R) LRR K, L) L) LRR K, L, R) (MLRA 149B) A, 145, 149B)
	ydrophytic vegetation yer (if observed):	and wettar	la nyarology must t	be presen	it, unless o	listurbed o	r problematic.		
Type:	ye. (.: esserved).		-					у ¹	
Depth (inch	es):		-				Hydric Soil Prese	ont? Yes	No
Remarks:		C. V	anadai pd	jue	- T Éno	Loll. tion	io Hayl hydric	uquopt. so:1	

Remarks:

	4	Northcentral and Northeast Region
Project/Site:OUCUS60		ORANGE Sampling Date: Mar
	CPC	State: M Sampling Point:
Investigator(s): <u>ROBERT</u>	TORGERSEN Section, Town	nship, Range:
Landform (hillslope, terrace, etc.):	valley	cal relief (concave, convex, none):
Slope (%): Lat:		.09.54.51 W Datum: 60061
Soil Map Unit Name:	daiqua	NWI classification:
Are climatic / hydrologic conditions or	the site typical for this time of year? Yes	No (If no evoluin in Remarks)
Are Vegetation, Soil,	or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes <u>& </u> N
Are Vegetation, Soil, c	r Hydrology naturally problematic? is 4	 (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS -	Attach site man showing compliant	point locations, transects, important feature
Hydrophytic Vegetation Present? Hydric Soil Present?		ampled Area
Wetland Hydrology Present?		
Remarks: (Explain alternative proces	dures here or in a separate report)	ptional Wetland Site ID:
Scrub/shrub to e	emergent meadow habitat	
Hydrie Soils Ch	romany	
v		,
HYDROLOGY		\sim
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two requ
Primary Indicators (minimum of one is	required: check all that apply)	Surface Soil Cracks (B6)
<u>bc</u> Surface Water (A1)	K 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 (C8
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled S	Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imager		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surfa	ce (B8)	FAC-Neutral Test (D5)
Sparsely Vegetated Concave Surfa Field Observations:		
Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes	No Depth (inches):	
Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Nater Table Present? Yes	No Depth (inches): ^ No Depth (inches):5	FAC-Neutral Test (D5)
Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes includes capillary fringe)	No Depth (inches): No Depth (inches):5 No Depth (inches):	FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes includes capillary fringe)	No Depth (inches): No Depth (inches):5 No Depth (inches):	FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Vater Table Present? Yes Saturation Present? Yes Includes capillary fringe)	No Depth (inches): ^ No Depth (inches):5	FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Vater Table Present? Yes raturation Present? Yes raturation Present? Yes ncludes capillary fringe) escribe Recorded Data (stream gauge, amarks:	No Depth (inches): No Depth (inches): No Depth (inches): monitoring well, aerial photos, previous inspec	FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No tions), if available:
Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Vater Table Present? Yes Saturation Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge, emarks:	No Depth (inches): No Depth (inches): No Depth (inches): monitoring well, aerial photos, previous inspec	FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No tions), if available:
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Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes Saturation Present? Yes includes capillary fringe) Describe Recorded Data (stream gauge,	No Depth (inches): No Depth (inches):5 No Depth (inches):	FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No tions), if available:
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Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes Saturation Present? Yes includes capillary fringe) Describe Recorded Data (stream gauge,	No Depth (inches): No Depth (inches): No Depth (inches): monitoring well, aerial photos, previous inspec	FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No tions), if available:
Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes Yes Saturation Present? Yes	No Depth (inches): No Depth (inches): No Depth (inches): monitoring well, aerial photos, previous inspec	FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No tions), if available:
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Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes includes capillary fringe) Describe Recorded Data (stream gauge, Memarks: CWM OAF & Growdw	No Depth (inches): No Depth (inches): No Depth (inches): monitoring well, aerial photos, previous inspec	FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No tions), if available:
Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Vater Table Present? Yes raturation Present? Yes raturation Present? Yes ncludes capillary fringe) escribe Recorded Data (stream gauge, amarks:	No Depth (inches): No Depth (inches): No Depth (inches): monitoring well, aerial photos, previous inspec	FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No tions), if available:

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VEGETATION - Use scientific names of plants.			Sampling Point:
	Absolute		Dominance Test worksheet:
Tree Stratum (Plot size:) 1. PIN OAK		Species? Status	Number of Dominant Spacios
1. DIN OAK 2. RED MAPLE		EAC	That Are OBL, FACW, or FAC: (A)
			Total Number of Dominant
3. WHITE OAK			Species Across All Strata: (B)
4			Percent of Dominant Species
5			That Are OBL, FACW, or FAC: (A/B)
6	-		Prevalence Index worksheet:
7			Total % Cover of: Multiply by:
		= Total Cover	OBL species x1 =
Sapling/Shrub Stratum (Plot size:)			FACW species x 2 =
1. SPICE BUSH 2. ARROWWOOD VIBURNUM		FAC	FAC species x 3 =
2 ARROWWOOD WIBURNUM	0	FAC	FACU species x 4 =
3. SINKY WILLOW			UPL species x 5 =
			Column Totals: (A) (B)
4			Prevalence Index = B/A =
6			Hydrophytic Vegetation Indicators:
7			Rapid Test for Hydrophytic Vegetation
		= Total Cover	Dominance Test is >50%
Herb Stratum (Plot size:)			Prevalence Index is ≤3.0 ¹
1. SKUNK CABBAGE		ABL	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
The second second			Problematic Hydrophytic Vegetation ¹ (Explain)
3. SEED CANARY GRASS			
4			¹ Indicators of hydric soil and wetland hydrology must 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.
8			Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
9 10			Herb - All herbaceous (non-woody) plants, regardless
11			of size, and woody plants less than 3.28 ft tall.
12			Woody vines – All woody vines greater than 3.28 ft in height.
	=	Total Cover	
Woody Vine Stratum (Plot size:)			
······································			
2.			
3			Hydrophytic Vegetation
4			Present? Yes No
-		Total Cover	
Remarks: (Include photo numbers here or on a separate she Large Meadow's Read Ca Forcet Habitat - Red Maple,	ncery	dominant	area, old golfgreen
Forcest Habitat . RedMaple,	Spice	ebush don	inent
			* *

US Army Corps of Engineers

SOIL CLOVEWOOD 2015 C

		-
0	Delet	(
Sampling	Point:	

Profile Des	cription: (Describe	to the dep	th needed to docun	nent the in	dicator	or confirm	n the absence of	of indica	tors.)	
Depth	Matrix		Redo	k Features						
(inches)	Color (moist)	%	Color (moist)	%		Loc ²	Texture		Rema	arks
	01.									
4	7.54R 4/2	100								
0	764241	DO	7.54R4/4							
$-\mathcal{O}$	1.2115 71	80	1. JTK 14	20						
	Lipto,									
			2							
									*	
				·						
	oncentration, D=Deple	tion, RM=	Reduced Matrix, CS=	Covered of	or Coated	I Sand Gra				g, M=Matrix.
Hydric Soil I	ndicators:						Indicators fo		-	
Histosol	• •		Polyvalue Below	Surface (S	68) (LRR	R,				, MLRA 149B)
	ipedon (A2)		MLRA 149B)							LRR K, L, R)
Black His		_	Thin Dark Surfac						•	3) (LRR K, L, R)
	n Sulfide (A4)	_	Loamy Mucky Min		(LRR K,	L)			(LRR K,	
	Layers (A5)	-	Loamy Gleyed M							8) (LRR K, L)
	Below Dark Surface	(A11) <u>_</u>	_ 'Depleted Matrix ((S9) (LRI	
	rk Surface (A12)	_	Redox Dark Surfa							12) (LRR K, L, R)
	ucky Mineral (S1)		_ Depleted Dark Su					•		19) (MLRA 149B)
	leyed Matrix (S4)		_ Redox Depressio	ns (F8)				-		144A, 145, 149B)
	edox (S5)						Red Pare			
	Matrix (S6)								Surface (TF12)
Dark Sur	face (S7) (LRR R, ML	RA 149B)					Other (E)	cplain in f	Remarks)	
2										
	hydrophytic vegetatio	n and wetla	and hydrology must b	pe present	, unless o	disturbed of	or problematic.			
Restrictive La	ayer (if observed):									
Туре:		8								
Denth (incl										
	nes):						Hydric Soil Pr	esent?	Yes	No
	nes):						Hydric Soil Pr	esent?	Yes	No
Remarks:			1		i	· · ·	Hydric Soil Pr	esent?	Yes	No
Remarks:			1)	Ĺ		Hydric Soll Pr	esent?	Yes	No
Remarks:			1	olago	ept		Hydric Soll Pr	esent?	Yes	No
Remarks:	adaiqua		lollic Har	olago	cpt					
Remarks:	adaiqua		lollic Har	olaque	ept il					
Remarks:			lollic Har	olaqus	eft i'l					
Remarks: Cana Vpd	adaiqua	e nat	tollic Har	ric 4:						
Remarks: Ccene Vpd	adaiqua	e nat	tollic Har	ric 4:						
Remarks: Ccene Vpd	adaiqua L local	e nat	tollic Har	56 9:	.' (~ ~		-	
Remarks: Cana Vpd	adaiqua L local	e nat	tollic Har	56 9:	.' (~ ~		-	
Remarks: Cana Vpd	adaiqua L local	e nat	tollic Harrisonal Ingel	NC 5:	.' [•				
Remarks: Cana Vpd	adaiqua L local	e nat	tollic Harrisonal Ingel	NC 5:	.' [•				
Remarks: Cana Vpd	adaiqua L local	e nat	tollic Harrisonal Ingel	NC 5:	.' [•				
Remarks: Cana Vpd	adaiqua L local	e nat	tollic Harrisonal Ingel	NC 5:	.' [•				
Remarks: Ccene Vpd	adaiqua L local	e nat	tollic Harrisonal Ingel	NC 5:	.' [•				
Remarks: Ccene Vpd	adaiqua L local	e nat	tollic Harrisonal Ingel	NC 5:	.' [•				
Remarks: Ccent	adaiqua L. local	e nat	tollic Harrisonal Ingel	NC 5:	.' [•				
Remarks: Ccene Vpd	adaiqua L. local	e nat	tollic Harrisonal Ingel	NC 5:	.' [•				
Remarks: Ccent	adaiqua L. local	e nat	tollic Harrisonal Ingel	NC 5:	.' [•				

WETLAND DETERMINATION DATA FO	RM – Northcentral and Northeast Region
Project/Site: Clouewood City/	county: ORANGE CO, sampling Date: May 2014
Applicant/Owner: CDC	State: NY, Sampling Point: D
7 2 12 - 1	on, Township, Range:
	· · · · · · · · · · · · · · · · · · ·
Landform (hillslope, terrace, etc.): Slope (%): Lat:L - 23 - 2.47 N Long:	Local relief (concave, convex, none):
Soil Map Unit Name:Kayn helyn	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrology naturally problems	tic? $\gamma \mathcal{O}$ (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soll Present? Yes No Wetland Hydrology Present? Yes No	Is the Sampled Area within a Wetland? Yes No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	11 1 1 1 1 1 1
SErub/shrub habitet - runalte	llection area hydric soil chromes
mapped hydric sol	· .
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: check all that apply)	Surfacé Soil Cracks (B6)
Surface Water (A1)	(B9) Crainage Patterns (B10)
K 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	
Algal Mat or Crust (B4) Recent Iron Reduction	
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rema	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
	0 Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previ	nue inspections) if available
Describe recorded Data (arean yavyo, montonny wen, achar proces, previ	
Remarks:	
ron off collection arece is	olated area, soo feet to
streambed to the west.	
old piped connection to larger stream	A.
Saure watershed!	

Northcentral and Northeast Region - Interim Version

Cloucwood 2015 D

VEGETATION - Use scientific names of plants.				Sampling Point:
Tree Stratum (Plot size:) 1.	the second secon	Dominant Species?	Status	Dominance Test worksteet: Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2	. Distant and a second second second) and a many second	uterstate the state of the stat	Total Number of Dominant Species Across All Strata:(B)
3				Percent of Dominant Species That Are OBL, FACW, or FAC: (AVB)
5			1	Prevalence Index worksheet:
7		= Tolai Cov	er	Totel % Cover of Multiply by: OBL species x1 =
Sacting/Strub Stratum (Plot size:) 1. GREY DOGWOOD		3	TAC	FACW species x 2 = FAC species x 3 =
			FAC	FACU species x 4 =
2 SILKY DOGUOOD 3			TALL	UPL species
4 5				Prevalence Index = B/A =
	Manufacture 1			Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
	=	Total Cov	er ja	3 - Prevalence Index is ≤3.0 ¹
Herb Stratum (Plat size:) 1REED (ANARY GRASS				 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2 SOFT ROSH			\ 	Problematic Hydrophylic Vegetation ² (Explain)
	, 			¹ Indicators of hydric soil and wellend hydrology must be present, unless disturbed or problematic,
				Definitions of Vegetation Strate:
· · · · · · · · · · · · · · · · · · ·				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 3.26 ft (1 m) tall.
				Herb - All herbaccous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tail.
2				Woody vines - All woody vines greater than 3.28 ft in
-		Total Cove	ar 🔰	height.
Voorty Vine Stratum (Flot size:)				
·				и А
				Hydrophylic
				Vegetation Present? Yes No
ana anta a Janah da mhata ana ha sa ha sa a ana sa a a		Total Cove	r	
emerics: (include photo numbers here or on a separate she Succession field habita	-			:
				· · · · · · · · · · · · · · · · · · ·

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Northcentral and Northeast Region - Version 2.0

Cloudwood 2015 D

Depth						ca, comut	n the absence	an an isang ang so p
(inches)	Color (moist)	% C	Rede olor (moist)	x Features		1	:	
areas ar				78	Type	Loc	Texture	Remarks
		a telefoliation and the statements	and the second second		Automatica and a			
5	55R 3/1	100					;	
0	SYR 4/1	100					-	
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5	37K 7/	90 5-	15 4/4	10			-	· ·
Toomin Contractor Statement (1991)								
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e: C=Con	centration, C=Deple	tion, RM=Reduc	ed Matrix, MS	=Masked S	and Grai	ns.	² Location: I	PL=Pore Lining, M=Matrix.
ric Soli Ini		1	1				Indicators fo	r Problematic Hydric Solis ³ ;
Histosol (A	6	Po	lyvalue Below	Surface (S	8) (LRR	R, i	2 cm Muc	# (A10) (LRR K, L, MLRA 1498)
Histic Ecip			MLRA 1498)			1	Cosst Pro	hirle Redox (A16) (LRR K, L, R)
Black Histi	c (A3) Sulfide (A4)	Th	in Dark Surfac	# (59) (LR	R R, MLR	ta 149B)	5 cm Muc	ky Peat or Feat (S3) (LRR K, L, F
Stratified L		Lo	amy Mucky Mi amy Gleyed M	ntein (F1) (LERR K, L	")	Dark Sur	ace (S7) (LRR K, L, M)
	elow Dark Surface ((A11) De	pleted Matrix (6(1)A (FZ) F31			Polyvalue	Below Surface (SB) (LRR K, L) Surface (S9) (LRR K, L)
and the second s	Surface (A12)		dox Dark Surfa	ice (F6)			fron-Man	anese Masses (F12) (L.R.R.K. L.
Sandy Muc	ky Mineral (S1)		pleted Dank Su				Piedmont	Floodplain Soils (F19) (MLRA 14
	ed Malrix (S4)	Re	dok Depressio	ns (F8)			Mesic Spo	ofic (TAG) (MLRA 144A, 145, 149
Sandy Red			8				Red Parel	nt Material (F21)
								to remove the train to
Stripped M							Very Shall	ow Dark Surface (TF12)
	ce (S7) (LRR R, ML	RA 1498)					Very Shall	
Dark Surfac	e (S7) (LRR R, ML		rirolony musti	te present	intee d	ab about o	Very Shall	ow Dark Surface (TF12)
Dark Surfac			drology must i	oe present,	unless d	o badhule	Very Shall	ow Dark Surface (TF12)
Dark Surfac ators of hy lictive Lay	e (S7) (LRR R, ML drophylic vegetelice er (If observed):		drology must t	oo present,	uniess di	o badhule	Very Shall	ow Dark Surface (TF12)
bark Surfac ators of hy lotive Lay po:	e (S7) (LRR R, ML drophylic vegetation er (If observed):		drology must t	oe present.	unless di		Very Shall	low Dark Surface (TF12) Slain in Remarks)
Dark Surfac ators of hy lictive Lay pe: ppth (inches	e (S7) (LRR R, ML drophylic vegetation er (If observed):		drology must t	oe present.	uniess d		Very Shall	low Dark Surface (TF12) Slain in Remarks)
Dark Surfac	e (S7) (LRR R, ML drophylic vegetation er (If observed):		drology must t	oc present,	uniess d		Very Shall	low Dark Surface (TF12) Slain in Remarks)
Dark Surfac intors of hy lictive Lay po: ppth (inches inks:	ce (S7) (LRR R, ML drophytic vegetation er (If observed): 	a and wetlend hy					Very Shall	low Dark Surface (TF12) Slain in Remarks)
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Dark Surfac ators of hy lictive Lay pe: pih (inche: rks:	ce (S7) (LRR R, ML drophytic vegetation er (If observed): 	a and wetlend hy					Very Shall	low Dark Surface (TF12) Slain in Remarks)
Dark Surfac Intons of hy lictive Lay pe: pih (inche: rks:	ce (S7) (LRR R, ML drophytic vegetation er (If observed): 	a and wetlend hy					Very Shall	low Dark Surface (TF12) Slain in Remarks)
Dark Surfac inters of hy lictive Lay pe: pph (inche: irks:	ce (S7) (LRR R, ML drophytic vegetation er (If observed): 	a and wetlend hy					Very Shall	low Dark Surface (TF12) Slain in Remarks)
Dark Surfac inters of hy lictive Lay pe: pph (inche: irks:	ce (S7) (LRR R, ML drophytic vegetation er (If observed): 	a and wetlend hy					Very Shall	low Dark Surface (TF12) Slain in Remarks)
Dark Surfac ators of hy lictive Lay pe: pih (inche: rks:	ce (S7) (LRR R, ML drophytic vegetation er (If observed): 	a and wetlend hy					Very Shall	low Dark Surface (TF12) Slain in Remarks)
Dark Surfac Intons of hy lictive Lay pe: pih (inche: rks:	ce (S7) (LRR R, ML drophytic vegetation er (If observed): 	a and wetlend hy					Very Shall	low Dark Surface (TF12) Slain in Remarks)
Dark Surfac inters of hy lictive Lay pe: pph (inche: irks:	ce (S7) (LRR R, ML drophytic vegetation er (If observed): 	a and wetlend hy					Very Shall	low Dark Surface (TF12) Slain in Remarks)
Dark Surfac Intons of hy lictive Lay pe: pih (inche: rks:	ce (S7) (LRR R, ML drophytic vegetation er (If observed): 	a and wetlend hy					Very Shall	low Dark Surface (TF12) Slain in Remarks)
Dark Surfac ators of hy lictive Lay pe: pih (inche: rks:	ce (S7) (LRR R, ML drophytic vegetation er (If observed): 	a and wetlend hy					Very Shall	low Dark Surface (TF12) Slain in Remarks)

Northcentral and Northeast Region - Version 2.0

WETLAND DET	ERMINATION DAT	A FORM — Northcen	tral and Northeas	t Region
Project/Site: <u>Clauewood</u>		City/County: ORA	NGE CO.	Sampling Date: May 20
Applicant/Owner:	CDC		State: N	Sampling Point: E
Investigator(s): Robert Tom	resser	Section, Township, Range		
Landform (hillslope, terrace, etc.):	2		ncave, convex, none):	
Slope (%): Lat: 41-22	· 55.76 H	Long: 74 - 10 13		Datum: Geralf
Soil Map Unit Name:	Mardin		NWI classifica	
Are climatic / hydrologic conditions on the site	typical for this time of ye	No No		
Are Vegetation, Soil, or Hydro				
Are Vegetation, Soil, or Hydrol				
SUMMARY OF FINDINGS - Attach	site map showing	sampling point loca	tions, transects,	important features, etc.
Hydrophytic Vegetation Present? Ye	s No	is the Sampled Are	8	
Hydric Soll Present? Yes		within a Wetland?	Yes	No
Wetland Hydrology Present? Yes	Contraction of the local division of the loc	If yes, optional Wetla	and Site ID:	
Remarks: (Explain alternative procedures he	re or in a separate report	.)		,
FACL Vegetation				
Hydric soil chronices	18	2		
isslated area				
HYDROLOGY		Ť		
Wetland Hydrology Indicators:		,	/	rs (minimum of two required)
Primary Indicators (minimum of one is required	1	· · · · · · · · · · · · · · · · · · ·	Surface Soil Cr	
Surface Water (A1) High Water Table (A2)	Water-Stained Le Aquatic Fauna (B		Drainage Patter	
Saturation (A3)	Marl Deposits (B1		Moss Trim Line Dry-Season Wa	
Water Marks (B1)	Hydrogen Sulfide		Crayfish Burrow	
Sediment Deposits (B2)	Oxidized Rhizospl	heres on Living Roots (C3)	Saturation Visib	le on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Redu			sed Plants (D1)
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduc	ction in Tilled Soils (C6)	Geomorphic Po Shallow Aquitan	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in F		Microtopographi	
Sparsely Vegetated Concave Surface (B8)	- 1		K FAC-Neutral Te	
Field Observations:				
	Depth (inches):			
	Depth (Inches):			
(includes capillary fringe)			Hydrology Present?	Yes No
Describe Recorded Data (stream gauge, monito	oring well, aerial photos, p	revious inspections), if av	allable:	
Remarks:		· · · · · · · · · · · · · · · · · · ·		
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3 acre watershed	1	u.		а ²

Northcentral and Northeast Region - Interim Version *

Clovewood 2015 E

EGETATION - Use scientific names of plants	ŝ.	Sampling Point:
	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:) BED MAPLE	<u>% Cover Species? Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata:(B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
5		Prevalence Index worksheet:
* *	num multimationidant. Dammatid305teau idunatidantar	Total % Cover of Multiply by: OBL species x1 =
Sapling/Strub Stratum (Plot size:)	= Tolai Cover	FACW species x 2 =
CREX DOLAXOD	TAC	FAC species x 3 = FACU species x 4 =
		UPL species x 5 = Column Totals: (A) (B)
		Prevalence Index = B/A =
		Hydrophytic Vegetation Indicators:
·		1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
	= Total Cover	3 - Prevalence Index is \$3.0
Herb Stratum (Plot size:) SENSITIVIE FERN	FACW	4 - Morphological Adaptations ¹ (Provide supportin data in Remarks or on a separate sheet)
REED CANARY GRASS		Problematic Hydrophylic Vegetation ² (Explain)
SOFT RUSH		¹ Indicators of hydric soil and welland 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/strub - Woody plants less than 3 in. DBH and greater than or equal to 3.26 ft (1 m) tall.
0	-	Herb - All herbaccous (non-woody) plants, regardless of size, and woody plants less than 3.20 ft tall.
1.		Woody vines - All woody vines greater than 3.28 ft in height.
the second se	= Total Cover	
/oody Vine Stratum (Flot size:)		
**************************************		Hydrophylic
		Vegetation Present? Ves K No
temarks: (include photo numbers here or on a separate	= Total Cover	
Successions mice down	hobtot	
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Clovewood 2015 E

Contraction of the local days					the second second second second			
Profile Des Depth	cription: (Describe Matrix	to the depti				or confirm	n the absance	of Indicators.)
(inches)	Color (moist)		Color (moist)	x Feature <u>%</u>	s Type	Loc	Texture	Remarks
2	STR 3/2	100		*				
6	5YR 3/	100		•••••••	17-11-12-24 Million 17-7			ายกองการกระจัดอีกอีกอาการกระจากสาวกระจากระจากระจากระจากระจากระจากระจากระจา
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								<u>จริตากรายการสารสารสุดิทาริตาศาสตร์การสารสารสารสารสารสารสารสารสา</u> รสารสารสารสารสารสารสารสารสารสารสารสารสาร
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		friendy and an office of the second	the second s				The second s	•
ne: C=Co	ncentration, D=Deple	tion RM=R	duced Matrix MS	=Masked	Sand Gra	ins.	² Location:	PL=Pore Lining, M=Matrix,
dric Soli k	ndicators:	ł					Indicators (for Problematic Hydric Solis ³ ;
Histosol (Histic Ecl	A1) pedon (A2)	×	, Polyvalue Below MLRA 1498)	Surface (58) (LRR	R, '	2 cm, M Cosst P	uck (A10) (LRR K, L, MLRA 1498) Fairle Redox (A16) (LRR K, L, R)
Black His Hydrogen	tic (A3) Sulfide (A4)	******	Thin Dark Surface Loamy Mucky Mi	~			5 cm M	ucky Peat or Feat (S3) (LRR K, L, R) Inface (S7) (LRR K, L, M)
Stratified		-			Savana wa	the J		
	* 1 1		Loamy Gleyed M				Polyvalu	e Below Surface (SB) (LRR K, L)
Depleted	Layers (AS) Below Dark Surface (k Surface (A12)	(A11)	Depleted Matrix ((F3)			Thin Da	nk Surface (S9) (LRR K, L)
Depleted Thick Dari Sandy Mu	Below Dark Surface (k Surface (A12) icky Mineral (S1)	(A11)	Depleted Matrix (Redox Dark Surfi Depleted Dark Si	(F3) IICE (F6) Urface (F7	j.		Thin Da	rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R nt Floodplain Soils (F19) (MLRA 149)
Depleted Thick Dark Sendy Mu Sandy Gle Sandy Re	Below Dark Surface (k Surface (A12) icky Mineral (S1) eyed Matrix (S4) cox (S5)	(A11)	Depleted Matrix (Redox Dark Surf	(F3) IICE (F6) Urface (F7	,)		Iron-Mai Piedmoi	rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R nt Floodplain Soils (F19) (MLRA 149
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Depleted I Thick Dari Sandy Mu Sandy Gle Sandy Re Stripped N Dark Surfi	Below Dark Surface (k Surface (A12) icky Mineral (S1) byed Matrix (S4) dox (S5) Antrix (S6)	RA 149B)	Depleted Matrix (Redox Dark Surf Depleted Dark Si Redox Depressio	(F3) ace (F6) urlace (F7 uns (F8)	-	a sturbed o	Thin Da Iron-Mai Piedmoi Mesic S Red Par Very Sh. Clher (E	rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R nt Floodplain Soils (F19) (MLRA 149) podic (TA6) (MLRA 144A, 145, 149E ent Material (F21) Mlow Dark Surface (TF12)
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	DETERMINATION DATA F			Δ
Project/Site: Cloucidocal	City	County: ORAN	GE Sampli	ng Date: May 2014
Applicant/Owner:	CDC	· ·	State: NY S	ampling Point:
	Sector Sec	tion, Township, Range:		
Landform (hillslope, terrace, etc.):	terrando .	Local relief (cond	ave, convex, none):	
Slope (%): Lat: 41-2	2-29.14 H Lon	74-10-5.	OTU Datum:	6006E
Soil Map Unit Name:	Substand		NWI classification:	
Are climatic / hydrologic conditions on the		Ves / No		
Are Vegetation, Soil, or H				
Are Vegetation, Soil, or H				
SUMMARY OF FINDINGS - Att	ach site map showing sa	mpling point locat	ions, transects, impoi	tant features, etc.
Hydrophytic Vegetation Present? Hydric Soll Present? Wetland Hydrology Present?	Yes No Yes No Yes No	is the Sampled Area within a Wetland? If yes, optional Wetlar	Yes No	
Remarks: (Explain alternative procedure Forest wetlawdha Mapped uplands	bit	>		
HYDROLOGY		ŧ		
Wetland Hydrology Indicators:		·	Secondary Indicators (mini	mum of two required)
Primary Indicators (minimum of one is re-	uired; check all that apply)		Surface Soil Cracks (B	
Surface Water (A1)	Water-Stained Leave	es (B9)	Drainage Patterns (B10	
K High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)	. /
Saturation (A3)	Mari Deposits (B15)		C Dry-Season Water Tab	le (C2)
Water Marks (B1)	Hydrogen Sulfide Od		Crayfish Burrows (C8) Saturation Visible on A	odel Imagony (CQ)
Sediment Deposits (B2) Drift Deposits (B3)	Presence of Reduced	es on Living Roots (C3)	Stunted or Stressed Pla	
Algal Mat or Crust (B4)	Recent Iron Reduction		Geomorphic Position (I	
Iron Deposits (B5)	Thin Muck Surface (0		Shallow Aquitard (D3)	• a
Inundation Visible on Aerial Imagery		narks)	Microtopographic Relie	f (D4)
Sparsely Vegetated Concave Surface	(88)		Kara FAC-Neutral Test (D5)	'
Field Observations: Surface Water Present? Yes	No Depth (inches):	×	e*	
Water Table Present? Yes	No Depth (inches): No Depth (inches):	4		
Saturation Present? Yes	No Depth (inches):	Wetland H	ydrology Present? Yes	No
(includes capillary fringe) Describe Recorded Data (stream gauge, r	、			
Describe Newided Data (subarn gauge, r	ionitoning wait, adnat priotos, pro	Nous inspections), it ava		
		· · · · · · · · · · · · · · · · · · ·		
Ground water outle Gause watershed	et/run off coll	ectionarcc	L	
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Northcentral and Northeast Region - Interim Version

Clovewood 2015 F

VEGETATION - Use scientific names of plants.

T Olistan (Citat share)	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:) 1. RED MAPLE	<u>% Cover Species? Status</u>	Number of Dominant Species
2 PIN OAK	a analysing meridian and and	That Are OBL, FACW, or FAC: (A)
		Total Number of Dominant
3.		Species Across All Strats: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
5		That Are Olsu, PAGW, or PAG.
		Prevalence index worksheet:
7		Total % Cover of:Multiply by:
5.	= Total Cover	OBL species x1=
Sacling/Shrub Stratum (Plot size:)		FACW species x 2 =
1 SPKE BUSH		FAC species x3 =
2.		FACU species x 4 =
3.		UPL species X 5 =
4	a se accessioner a construction of the second second second	Column Totals: (A) (B)
5		Prevalence Index = B/A =
6.		Hydrophytic Vegetation Indicators:
0	1	1 - Rapid Test for Hydrophylic Vegetation
	= Total Cover	2 - Dominance Test is >50%
	= 10m Cover	3 - Prevalence Index is ≤3.0*
Herb Stratum (Plot size:)		4 - Morphological Adaptations' (Provide supporting
		data in Remarks or on a separate sheet)
2. SENSITIVE FERM		Problematic Hydrophylic Vegetation' (Explain)
3. <u>/</u>		Indicators of hydric soil and welland hydrology must
4.		be present, unless disturbed or problematic.
Ś	annenningen annenning annenninger	Definitions of Vegetation Strata:
6		Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7.	fannonaantaan annanatattaataa maananaanataa	at breast height (DBH), regardless of height.
8.		Sapling/shrub - Woody plants less than 3 in. DBH
		and greater than or equal to 3.26 ft (1 m) tall.
10		Herb - All herbaccous (non-woody) plants, regardless
11.		of size, and woody plants less than 3.20 ft tall.
		Woody vines - All woody vines greater than 3.28 ft in
	= Total Cover	height.
Woorly Vine Stratum (Flot size:)	-	
1.		
2.		
3		Hydrophylic Vegetation e 2
4		Present? Ves No
	Total Cover	
Remarks: (Include photo numbers here or on a separate sho	set.)	· · ·
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Forest wertauce nator tur		
	x,	
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US Army Corps of Engineers

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Sampling Point:

Clovewood ZOIS F

SOIL			Sampling Point:
		epth needed to document the indicator or confirm	m the absence, of indicators.)
Depth (inches)	Matrix Color (molst) %	Redox Features	
<u>unues</u>	<u>Color (molst)</u> %	<u>Color (molst) % Type Loc*</u>	Texture Remarks
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	1.10		
8	1.21K7 80	7.58244 20	
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		Reduced Matrix, MS=Masked Sand Grains	² Location: PL=Pare Lining, M=Matrix,
Hydric Soll In			Indicators for Problematic Hydric Solis ³ ;
Histosol (/	6	Polyvalue Below Surface (S8) (LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Black Hist	bedon (A2)	NLRA 1498) Thin Dark Surface (S9) (LRR R, MLRA 1498)	Cosst Prairie Redox (A16) (LRR K, L, R)
	Sulfide (A4)	Loamy Mucky Mineral (F1) (LRR K, L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L, N)
	ayers (A5)	Loamy Gleved Matrix (F2)	Polyvalue Below Surface (SB) (LRR K, L)
	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)
	city Mineral (S1)	Depleted Dark Surface (F7)	Fiedmont Floodplain Soils (F19) (MLRA 149B)
	yed Malrix (S4)	Redox Depressions (F8)	Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Rec			Red Parent Material (F21)
Stripped M	unit (36) ce (S7) (LRR R, MLRA 149		Very Shallow Dark Surface (TF12)
	ee fee life and minute and		Çther (Explain in Remarks)
³ Indicators of M	vdrophylic vegetation and w	tiand hydrology must be present, unless disturbed o	r problemalic.
	ver (if abserved):		
1. Type:	۹.		
Depth (inche	is):		Hydric Soli Present? Yes K No
Remarks:			
	1	oil Type (Hardin)	
•	11) 1-	The state when the	2 S. S.
Marian	21 Uplands	al Tune (
1 teopp	cer o pueros	on type (minutes)	
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	ORM – Northcentral and Northeast Region
Project/Site: Clouce Coo CD City	County: ORANGE CO. Sampling Date: May 2014
Applicant/Owner: CDC	State: NY, Sampling Point: 0
Investigator(s): Robert Torgessen Sec	tion, Township, Range:/
Landform /billong terrarg atc)	Local relief (concave, convex, none):
AL-77 ADSIN	1. 74-9-52.14 15 Datum: 60061-12
	NWI classification:
Soil Map Unit Name:	
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly dist	
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS - Attach site map showing sa	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	is the Sampled Area
Hydric Soli Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Forest wetland hubitat	
Hydric Soil Chromas	•
HYDROLOGY	the second se
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) Kater-Stained Leav	Mana Trim Lines (P16)
High Water Table (A2) Aquatic Fauna (B13	
Saturation (A3) Mari Deposits (B15) Water Marks (B1) Hvdrogen Sulfide O	
	res on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	ed Iron (C4) Stunted or Stressed Plants (D1)
	on in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (
Inundation Visible on Aerial Imagery (B7) Other (Explain in Re	marks) Microtopographic Rellef (D4)
Sparsely Vegetated Concave Surface (B8)	
Field Observations: Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes <u>No</u> Depth (inches):	12
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evicus inspections) if available:
Describe Recorded Data (stream gauge, monitoring weil, aenai photoe, ph	
Remarks:	
O II - Hat an arou	
Runder collection area	
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Remarks: Run all collection area 6 acre watershed	
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Run off collection area 6 acre watershed	

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Clovewood 2015 G

VEGETATION - Use scientific names of plants	, ²	Sampling Point:
Tree Stratum (Plot size:)	Absolute Dominant Indica <u>% Cover Species7 State</u>	US Instante for the Section
1_BED MAPLE	FAC	That Are OBL, FACW, or FAC: (A)
3.		Total Number of Dominant Species Across All Strata:(B)
		Percent of Dominant Species
5	-	That Are OBL. FACW. or FAC: (A/B)
67.		Prevalence Index worksheel: Total % Cover of
	= Tolai Cover	OBL species x1=
Sacting/Shrub Stratum (Plot size:) 1. SILKY DOG 6000	TAN	FACW species x2 = FAC species x3 =
2 ARROW WOOD YIBURNUM	FACIER FACI	FACU species x 4 =
3. MULTIFLORIA ROSE	• ••••••••••••••••••••••••••••••••••••	UPL species x 5 = (B)
4		Prevalence Index = B/A =
5. <u> </u>		Hydrophytic Vegetation Indicators:
7.	·	1 - Rapid Test for Hydrophylic Vegetation 2 - Dominance Test is >50%
	= Total Cover	3 - Prevalence Index is <3.0
Herb Stratum (Plot size:) 1. REED CANARY GRASS	FACI	1+ 4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
2. SENSITIVE FERH	FACI	Problematic Hydrophylic Vegetation' (Explain)
3/	-	Indicators of hydric soil and welland hydrology must be present, unless disturbed or problematic.
5.		De present, unless asturbets of proteinate.
б.	mentantantan cara canada ana ana ana ana ana ana ana ana an	Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7.	Summer Summer Summer Summer	at breast height (DBH), regardless of height.
-		and must be then an amial to 3 26 ft (1 m) fall
10.	-	
11		Woody vines - All woody vines greater than 3.28 ft in
	= Total Cover	height.
Woody Vine Stratum (Flot size:)		
2.		
3.		Hydrophylic
4.	= Total Cover	Present? Ves K No
Remarks: (include photo numbers here or on a separate s	heet.)	
Forest Wotland Hab	st	
	- V	
r		·

Clovewood 2015 6

	wintigs: illusation		needs of habean ch	nent the indicate	r or confirm	n the absance	of indicators.)	
	cription: (Describe Matrix	era annas erant		x Features	n waa wedersaatigii			
Depth (inchos)	Color (molst)	%	Color (moist)	% Type	Loc	Texture	Remarks	
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6	10724/1	20	1072 4/4	20		Harris	-	
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	<u>8.</u>						· .	
Noe: C=C	oncentration. C=Dept	etion, RM=	Reduced Matrix, MS	-Masked Sand G	ains.		PL=Pore Lining, M=Matrix,	100000000000000000000000000000000000000
	Indicators:	en e	**************************************			Indicators (for Problematic Hydric Solis ⁹	;
Histosol	(A1)		Polyvalue Below	Surface (S8) (LR	RR,	2 cm M	luck (A10) (ERR K, L, MLRA 14	(9B)
_ Histic E	pipedon (A2)		MLRA 1498)			- A A A A A A A A A A A A A A A A A A A	Prairie Redox (A16) (LRR K, L,	
	istic (A3)			:e (S9) (LRR R, N			ucky Peat or Peat (S3) (LRR K	, L, R)
	an Sulfide (Ad)			ineral (F1) (LRR I	C L)		Inface (S7) (LRR K, L, M)	15
	d Layers (A5)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Loamy Gleyed M			Company IV	ue Below Surface (S6) (LRR K,	, L.)
and and a second s	d Below Dark Surface	(A11)	Depleted Malrix	11 m			nk Surface (S9) (LRR K, L) / Inganese Masses (F12) (LRR H	. I. R)
	ark Surface (A12) Aucky Mineral (S1)		Redox Dark Suri Depleted Dark S				nt Flocoplain Soils (F19) (MLR	and the second sec
-	Sleyed Malrix (S4)		Redok Depressio				podic (TA6) (MLRA 144A, 145	
-	tedox (S5)						rent Material (F21)	
	Matinix (SG)						allow Dark Surface (TF12)	ж. ²
		LRA 1496)			Çther (f	Explain in Remarks)	
Dark Su	face (S7) (LRR R, M							
				the approach seature	a, attacks allocated a	er erobien eli r		
idicators cl	i hydrophylic vegetab			be present, unles	s disturbed	or problematic.	s 6	
idicators of Instrictive L	i hydrophylic vegetate Layer (if observed):			be present, unles	s disturbed	or problematic.	4	
dicetors of strictive t Type:	l hydrophylic vegetati Layer (If observed):			be present, unles	s disturbed (
ndicetors of estrictive t Type: Depth (inc	l hydrophylic vegetati Layer (If observed):			be present, unles	s disturbed	or problematic. Hydric Soli I		
idicators of estrictive t Type: Depth (inc	l hydrophylic vegetati Layer (If observed):			be present, unles	s disturbed (
idicetors of estrictive t Type: Depth (inc smarks:	f hydrophylic vegetatk Layer (If observed): ches):	cn and we	liand hydrology must					
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dicetors of strictive t Type: Depth (inc marks:	f hydrophylic vegetatk Layer (If observed): ches):	cn and we	liand hydrology must					Katik cuntada

Project/Site:0	vewood.	C	ity/County:	Oranu	<u> </u>	Sampling Date	1 1 1 1
Applicant/Owner:		DC			_ State: <u>N</u>	Y_ Samplin	g Point:
Investigator(s):R	obert Torger	sen s	ection, Township	p, Range:		1	
Landform (hillslope, terra	ce, etc.):			relief (concave, c			i l i
Slope (%):	Lat: 41-22-46	317H 1	ong: 74 -0	3-48.65	sw_	Datum: 600	oore
Soil Map Unit Name:	Mardin				NWI classific	ation:	-
Are climatic / hydrologic o	conditions on the site typica	al for this time of yea	r? Yes	No (If no	o, explain in R	emarks.)	
Are Vegetation, S	oil, or Hydrology _	significantly d	isturbed? nc	Are "Normal Circ	cumstances" p	resent? Yes	No
Are Vegetation, S	oil, or Hydrology _	naturally prob	lematic? 🕖	(if needed, expla	in any answe	rs in Remarks.)	1
SUMMARY OF FINE	DINGS - Attach site	map showing a	sampling poi	int locations,	transects	, important f	ieatures, et
Hydrophytic Vegetation		No	is the Sam			;	
Hydric Soll Present?	Yes	No	within a W	letiand?	Yes_K	No	
Wetland Hydrology Pres		No		onal Wetland Site	ID:	`	
	native procedures here or			i i	22		•
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HYDROLOGY	lastars			Sec	ndary Indicat	ors (minimum of	f two required)
Wetland Hydrology Ind	num of one is required; che	eck all that anniv)		1.	Surface Soil (
Surface Water (A1)	f	Water-Stained Lea	aves (B9)		Drainage Pati	•	• •
High Water Table (A	2)	Aquatic Fauna (B [*]	• •	/	Moss Trim Lir	les (B16)	
Saturation (A3)	_	Mari Deposits (B1	-			Vater Table (C2)	
Water Marks (B1)		_ Hydrogen Sulfide Oxidized Rhizospl	• •		Crayfish Burro	ible on Aerial Im	agery (C9)
Sediment Deposits (I Drift Deposits (B3))	Presence of Redu				essed Plants (D	
Algai Mat or Crust (B	A)	Recent Iron Redu		ils (C6) (Geomorphic F	Position (D2)	
Iron Deposits (B5)	· · · · · -	_ Thin Muck Surface		Constant	Shallow Aquit		*
Inundation Visible on		_ Other (Explain in F	Remarks)		Microtopograp FAC-Neutral 1	hic Relief (D4) Test (D5)	
Sparsely Vegetated (Т				
Surface Water Present?	Yes No	Depth (inches):		-	0		
Water Table Present?	Yes <u> </u>	Depth (inches):	12			/	
Saturation Present?	Yes No	_ Depth (inches): _		Wetland Hydrol	logy Present	? Yes	No
(includes capillary fringe) Describe Recorded Data ((stream gauge, monitoring	well, aerial photos,	previous inspecti	ions), if available:	:		
Remarks:		<u> </u>	· · · · · · · · · · · · · · · · · · ·				
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VEGETATION - Use scientific names of plants,

VEDETATION - Use sciencing names of plants		Sampling Point:
Tree Stratum (Plot size:)	Absolute Dominant Indicator <u>% Cover Species? Status</u>	Dominance Test worksheet:
1. PIN OAK	FACU	Number of Dominant Species , That Are OBL, FACW, or FAC: (A)
2RED MAPLE		Total Number of Dominant
3	and anumumoroupus monumumorumana	Species Across All Strata: (B)
4.		Percent of Dominant Species
5		That Are OBL, FACW, or FAC: (A/E
6		Prevalence index worksheet:
7.		Total \$6 Cover of Multiply by:
	= Total Cover	OBL species x1=
Sacling/Strub Stratum (Plot size:)		FACW species x 2 =
1. SPICE BUSH	FACU	FAC species x 3 =
2 MULTIFLORA ROSE	FAC	FACU species x 4 =
		UPL species x 5 =
4		Column Totals: (A) (B)
5.		Prevalence Index = B/A =
6.		Hydrophytic Vegetation Indicators:
7. <u>.</u>		1 - Rapid Test for Hydrophylic Vegetation
. 1	= Total Cover	2 - Dominance Test is >50%
Hera Stratum (Plat size:)		3 - Prevalence Index is ≤3.0
1. REED CANARY GRASS	FACULT	 4 - Morphological Adaptations² (Provide supporting data in Remarks or on a separate sheet)
2. SENSITIVE FERN	FAC	Problematic Hydrophylic Vegetation' (Explain)
1		
4		¹ Indicators of hydric soil and welland hydrology must be present, unless disturbed or problematic,
5.		Definitions of Vegetation Strate:
5	terrananananan ternesionanananan anternationananan	Tree - Woody plants 3 in. (7.6 cm) or more in diameter
	terraneouser descentrations semanations	at breast height (DBH), regardless of height.
		Sapiling/shrub - Woody plants less than 3 in. DBH
		and greater than or equal to 3.26 ft (1 m) tall.
10.	hereiten auf eine eine eine eine eine eine eine ein	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.20 ft tall.
1	. รายการกลายการที่ การกระบบการการการการ	
2		Woody vines - All woody vines greater than 3.28 ft in heicht.
	= Total Cover	
Voordy Vine Stratum (Flot size:)		
·		

·		Hydrophylic
•		Vegetation Present? Ves K No
	= Totel Cover	
emarks: (include photo numbers here or on a separate sh	cci.)	
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US Army Corps of Engineers

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		nen en mit eksel			ator or confir	m the absence, of in	dicators.)	
Depth inches)	<u>Matrix</u> Color (molst)	%	Color (moist)	X Features % Ty	e Loc	Texture	Remark	i ne
		Non-Annality of the second	Westerner and a second s				PAEIHEER	13
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		The second second	-	**************************************				
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						Second Second Second	•	
ric Soli In	ncentration, C=Deple	tion, RM=	Reduced Matrix, MS	=Masked Sand	Grains	² Location: PL=F	ore Lining, M=M	ntrix.
Histosol (Polyvalue Below	Surface (S8) (I	RR R.	Indicators for Pri 2 cm Much (A	10) (LRR K, L, M	
	pedon (A2)	-	NLRA 1498)			Cosst Prairie	Redox (A16) (LR	R K. L. R)
Black His	ic (A3) Sulfide (A4)	-	Thin Dark Surfac) 5 cm Mucky P	eat or Feat (S3)	LRR K, L, R
	Layers (A5)	-	Loamy Mucky Min	neral (F1) (LRF atrix (F2)	IC D	Derk Surface	(S7) (LRR K, L, I ow Surface (S8) (M) 1 888 27 1 5
	Below Dark Surface ((A11) 🗍	Depleted Matrix (F3)	<u>×</u>	Thin Dark Sur	face (S9) (LRR K	L)
	c Surface (A12) city Mineral (S1)		Redox Dark Surfa			Iron-Mangane	se Masses (F12)	LRR K. L. F
Sandy Gle	yed Malrix (S4)	<u></u>	Depleted Dank Su Redok Depression			Fledmont Floo	dplain Soils (F19) (MLRA 149
Sandy Red		-	() (10 (00000 (000 (000) (0000 (000) (0000 (000) (000			Red Parent M	nterial (F21)	and sand bane
Stripped N Dark Surfa	Millink (SG) Ice (S7) (LRR R, ML)	84'440R1				Very Shallow I Cther (Explain	Derk Surface (TF)	12)
						Const Restaun	in remarks)	
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tetors of h	ydrophylic vegetebor	and welle	and hydrology must b	e present, unio	ss distuibed (or problematic.	2	,
cetors of h rictive La		and welle	and hydrology must b	e present, unio	ss distuibed (or problematic.	•	,
cators of h rictive Lay pe:	ydrophylic vegetalice yer (If observed):	and welle	and hydrology must b	e present, unit	ss disturbed (Yes K	, No
cetors of h rictive Lay po: opth (inche	ydrophylic vegetalice yer (If observed):	and wells	ind hydrology must t	e prosent, unio	ss disturbed (or problematic. Hydric Soll Present	, 17 Yes K	No
cetors of h rictive Lay po: opth (inche	ydrophylic vegetalice yer (If observed):	and wells	ind hydrology must b	e present, unio	ss distuibed (, 17 Yes K	, No
cators of h rictive Lay po: opth (inche arks:	ydrophylic vegetakor yer (If observed): ys):			ana an	n sama na du apo nakalo amban na pojek		, 17 Yes K	. No
cators of h rictive Lay po: opth (inche arks:	ydrophylic vegetakor yer (If observed): ys):			ana an	n sama na du apo nakalo amban na pojek		3 1? Yes K	No
petors of h nictive Lay pe: opth (inche nics:	ydrophylic vegetalice yer (If observed):		. l f.pe	ana an	n sama na du apo nakalo amban na pojek		17 Yes K	No
petors of h nictive Lay pe: opth (inche nics:	ydrophylic vegetakor yer (If observed): ys):			ana an	n sama na du apo nakalo amban na pojek		17 Yes K	. No
cators of h rictive Lay po: opth (inche arks:	ydrophylic vegetakor yer (If observed): ys):			ana an	n sama na du apo nakalo amban na pojek		, 1? ¥es <u>κ</u>	
cators of h rictive Lay po: opth (inche arks:	ydrophylic vegetakor yer (If observed): ys):			ana an	n sama na du apo nakalo amban na pojek		, 17 Yes K	No
petors of h nictive Lay pe: opth (inche nics:	ydrophylic vegetakor yer (If observed): ys):			ana an	n sama na du apo nakalo amban na pojek		3 17 Yes K	Ho_ Anaaninent Aurora annoa
cators of h rictive Lay po: opth (inche arks:	ydrophylic vegetakor yer (If observed): ys):			ana an	n sama na du apo nakalo amban na pojek		3 17 Yes K	Ho
cators of iv rictive La ppth (inche arks:	ydrophylic vegetakor yer (If observed): ys):			ana an	n sama na du apo nakalo amban na pojek		17 Yes K	No
cators of iv rictive La ppth (inche arks:	ydrophylic vegetakor yer (If observed): ys):			ana an	n sama na du apo nakalo amban na pojek		, 1? ¥es <u>κ</u>	. No
cators of iv rictive La ppth (inche arks:	ydrophylic vegetakor yer (If observed): ys):			ana an	n sama na du apo nakalo amban na pojek		, 17 Yes K	No
cetors of it lictive La ype: epth (inche arks:	ydrophylic vegetakor yer (If observed): ys):			ana ana ang ang ang ang ang ang ang ang	n sama na du apo nakalo amban na pojek		, 17 Yes K.	No

WETLAND DETERMINATION DATA	FORM - Northcentral and Northeast Region
Project/Site: <u>Clovewood</u>	City/County: Orange Sampling Date: May 2014
Applicant/Owner:	State. 14. 11. Gamping Form
Investigator(s): Robert Torgetien	Section, Township, Range:
ese and a second se	Local relief (concave, convex, none);
Class (%): [at: 41-22-47.55]	Long: 74-09-51.58 Datum: 60061E
Soll Map Unit Name: Mardin	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of ye	
Are climatic / hydrologic conditions on the site typical for this time of ye	disturbed?
Are Vegetation, Soil, or Hydrology significantly	distuibed in room of second explain any answers in Remarks.)
Are Vegetation, Soil, or Hydrology naturally pro	
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate repo Forest Wethward Have teut Hydric So. (Chrowds	rt.)
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	Maga Trim Lines (R16)
High Water Table (A2) Aquatic Fauna Saturation (A3) Marl Deposits (
	de Oder (C1) Crayfish Burrows (C8)
	spheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Re	educed Iron (C4) Stunted or Stressed Plants (D1)
	duction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits'(B5) Thin Muck Surf	
Inundation Visible on Aerial Imagery (B7) Other (Explain	FAC-Neutral Test (D5)
Sparsely Vegetated Concave Surface (B8) Field Observations:	
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes No Depth (inches): 8
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photo	os, previous inspections), if available:
Describe Newrood Date (choosin gauge, mentoning test,	
Remarks:	
Small a rea along drainae	je roste
	· · · · · · · · · · · · · · · · · · ·
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Jurisdiction Aca	

Northcentral and Northeast Region - Interim Version

Clouwood I

VEGETATION - Use scientific names of plants.

				Sampling Point:
Tree Stratum (Plot size:)	Absolute		Indicator	Dominance Test worksheet:
200 - 110:1		Species?		
1. ELDIVATLE	-		EAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2 PIN OAK			FACIL	
3.	40K. MAATAANAAN CONTRACTOR	Contractor of Contractor Contractor	Letter.	Total Number of Dominant
3				Species Across All Strata: (8)
4	-			Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6	-			(VD)
6				Prevalence index worksheet:
7.	tonton and provide the			Total % Cover of Multiply by:
		= Tolai Cov		A DI ANALIN COVE D
Sapting/Shrub Stratum (Plot size:)			CI	OBL species x 1 =
(Piot size:)				FACW species x 2 =
1. SPILE BOSH				FAC species x 3 =
2.				FACU species x 4 =
State of the state	mayonananiyinaa (Contraction of the second	UPL species x 5 =
3.				Column Totals: (A) (B)
4				(4)
. 5,				Prevalence Index = B/A =
6		-		
6				Hydrophytic Vegetation Indicators:
7.				1 - Rapid Test for Hydrophylic Vegetation
				2 - Dominance Test is >50%
Herb Stratum (Plot size)				3 - Prevalence Index is ≤3.0 ¹
Herb Stratum (Plot size:) 1				4 - Morphological Adaptations ¹ (Provide supporting
1. JEGZUIVE PERN			`	data in Remarks or on a separate sheet)
	•			Problematic Hydrophylic Vegetation' (Explain)
3				
				Indicators of hydric soil and wetlend hydrology must
4.				be present, unless disturbed or problematic,
\$. <u>/</u>				
				Definitions of Vegetation Strata:
- ·				Tree - Woody plants 3 in. (7.6 cm) or more in diameter
				at breast height (DBH), regardless of height.
â.				
ą				Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.26 ft (1 m) tall.
10			, "	and greater train of equation 3.26 ft (1 m) tall.
10				lerb - All herbaceous (non-woody) plants, regardless
11.			1	of size, and woody plants less than 3.28 ft tall.
12.				Manda Allena Allena de la compañía d
			h	Voody vines - All woody vines greater than 3.28 ft in eicht.
		olal Cover	["	
Woody Vine Stratum (Flot size:)				
1				
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······································				
5		-		ydrophylic
				enelation
			P	resent? Yes K No
Japonie: / Indude at the sub-	= T4	otal Cover		
emarks: (include photo numbers here or on a separate shee	st.)			
Forest Waterd Hubit				
orest waterd flutotat				
				×

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Clovewood I

SOIL					Sampling Point:
Profile Description: (Describe to the de	pth needed to docum	ent the indicator	or contirm	the absence of	findicators.)
Depth Matrix		Features			Remarks
(inches) Color (molst) %	Color (moist)	<u>% Type</u>	Los	Texture	REIIGRS
		manual Restored			NAN TATAL TRANSPORTED BY THE TRANSPORT OF THE TRANSPORTED BY THE TRANSPORTED BY THE TRANSPORT
3 10YR 3/2 100				Î.	
	1042 4/4	<		***************************************	
6 10YR 4/ 95	10115 14	2	Concernant and the second second		
			-		
Contraction of the second seco					
The second s		Anne and a second secon		Manual Antonio	
					<u>`.</u>
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					Maleton de la constanta de la c
Type: C=Concentration, D=Depletion, RM	Reduced Matrix, MS	=Masked Sand Gr	ains.		PL=Pore Lining, M=Matrix,
Hydric Soll Indicators:	Terre des la des la desta de la desta d Esta de la desta de la dest	ucunen na baile i laineine bina i la cui li cui rennatariai ne na kenaca	(*************************************	Indicators fo	or Problematic Hydric Solis ⁹ :
Histosol (A1)		Surface (S8) (LRI	RR,		ck (A10) (LRR K, L, MLRA 1498)
Histic Epipedon (A2)	MLRA 1498)				raine Redox (A16) (LRR K, L, R)
Black Histic (A3)		æ (S9) (LRR R, M ineral (F1) (LRR K		Antonia	icky Peat or Feat (S3) (LRR K, L, R) face (S7) (LRR K, L, M)
Hydrogen Sulfide (Al) Stratified Layers (A5)	Loamy Gleyed N		y hel		e Below Surface (S6) (LRR K, L)
Depleted Below Dark Surface (A11)	Depleted Matrix				k Surface (S9) (LRR K, L)
Thick Dark Surface (A12)	Redox Dark Surf	ace (F5)		THE REAL PROPERTY AND A DECIMAL PROPERTY AND	iganese Masses (F12) (LRR K, L, R)
Sondy Mucky Mineral (S1)	Depleted Dark S			- Chandrand	it Floodplain Soils (F19) (MLRA 1498) podic (TA6) (MLRA 144A, 145, 1498)
Sandy Gleyed Matrix (S4)	Redax Depression	ons (FB)			ent Material (F21)
Sandy Redox (S5)					Now Derk Surface (TF12)
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149	6)			Cther (E	xplain in Remarks)
/					
³ Indicators of hydrophytic vegetation and w	etland hydrology must	be present, unless	s disturbed	or problematic.	
Restrictive Layer (if observed):		4			ан Х. — — — — — — — — — — — — — — — — — — —
Туре:	-		·	Mudde Soll D	resent? Yes Ka
Depth (inches):					
Remarks:					
Mapped So. 1 Ty	· (A)	$\langle \cdot \rangle$		14	
Mapped Solly	per mard	kin)			
1 1 1 1 1 1		A POST DE CONTRACTOR DE CON			
Υ.					
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Project/Site: CloveLood City/County: Orange Sampling Date: May 2014 Applicant/Owner: CDC State: NY. Sampling Point: J Investigator(s): Robert Iongerten Section, Township, Range:
Applicant/Owner:
Investigator(s): Rate 10 mgerie Section, Township, Range: Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%): Lat: 41 - 2Z - 48.96 Long: 74 - 0G - 54.88 Datum: Google Soil Map Unit Name: ERIE NWI classification:
Landform (hillslope, terrace, etc.):
Stope (%): Lat: L-2.24.8.9.6Long: Long: L-2.4.8.8.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0
Soil Map Unit Name:
Soil Map Unit Name:
Are Vegetation, Soil, or Hydrologysignificantly disturbed? No Are "Normal Circumstances" present? Yes No Are Vegetation, Soil, or Hydrologynaturally problematic? No (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Yes No No No No No No No No No No No No No No
Are Vegetation, Soil, or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Yes No No Hydric Soil Present? Yes No
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Is the Sampled Area within a Wetland? Yes No
Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No Hydric Soil Present? Yes No No No No
Hydrophytic Vegetation Present? Yes No within a Wetland? Yes No
Hydric Soil Present? Yes No
Nethond Hudselogy Present? Yes No If yes optional Wetland Site ID:
violation right food in the second
Remarks: (Explain alternative procedures here or in a separate report.)
Hubric Soil Chromas
FACW Vegetation
Seasonal stream
HYDROLOGY
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: check all that apply)
Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) Moss Trim Lines (B16)
- High Water Table (A2) - Addate Fable (C2)
Saturation (AS) Mail Support (C4) Crawlet Burrows (C8)
Water Marks (B1) Injurged other Cost (C2) Saturation Visible on Aerial Imagery (C9)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visite on Visite o
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Derosits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)
Field Observations:
Surface Water Present? Yes No Depth (inches): <u>Merun</u>
Water Table Present? Tes No Deput (incluse) Identical History Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Remarks: Drain inje roste 30 acre watershed Seasonalstraubed throw 1/2
Drain Lige rost 30 acres
contract stones bed throw w/
Deugeneur reune and the
Jurisdictional Area

Northcentral and Northeast Region - Interim Version

Clovewood J

VEGETATION - Use scientific names of plants.

TEVENTION - OSC OFFICING HER DOLLAR			Sampling Point:
	Absolute	Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species? Status	
1. PINOAK		FACU	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2 BED MAPLE		FAC	
L DED WALLE		170	Total Number of Dominant
3			Species Across All Strata: (B)
4			
			Percent of Dominant Species
5	-		That Are OBL, FACW, or FAC: (A/B)
6			
			Prevalence Index worksheet:
7.		Commences of the second s	Total % Cover of Multiply by:
		= Totai Cover	OBL species x1 =
		TOTAL COVEL	
Sapling/Shrub Stratum (Plot size:)			FACW species x 2 =
1. SILKY DOGUCOD		FACU	FAC species x 3 =
			FACU species x 4 =
2.			UPL species x 5 =
3.			
4		0	Column Totals: (A) (B)
5		Cineration	Prevalence Index = B/A =
			Hydrophytic Vegetation Indicators:
7			K 1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
		Total Cover	3 - Prevalence Index is ≤3.0 ¹
Herb Stratum (Plot size) 1. SENSITIVE FERN		×	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
			Problematic Hydrophylic Vegetation' (Explain)
3			Indicators of hydric soil and welland hydrology must
4.	-		be present, unless disturbed or problematic.
5.			
			Definitions of Vegetation Strata:
6			Went 10/2 should be to 17 A and some to discussion
7			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DEH), regardless of height.
			at broast height (worry, regenuess of height.
δ			Sapling/shrub - Woody plants less than 3 in. DBH
9	Contractor of the local division of the		and greater than or equal to 3.26 ft (1 m) tall.
10			
			Herb – All herbaccous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11			of size, and woody plants less than 3.20 it tail.
12			Woody vines - All woody vines greater than 3.28 ft in
			height.
	#	Tolal Cover	
Woody Vine Stratum (Flot size:)			
1			
π.			
2.			
3			At a start of the
***			Hydrophylic Mendation
4	······································		Vegetation Present? Yes No
		Total Cover	• • • • • • • • • • • • • • • • • • •
Remarks: (Include photo numbers here or on a separate sh			
	••••		
-			
FOREST WETLAND HAE	RITAN	-	
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Northcentral and Northeast Region - Version 2.0

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TO THE LIGHT	ription: (Describe)					innim me abseni	ce at indic	ators.)	
Depth inchos)	Color (moist)	%	Color (moist	Redox Feature		_	(
3	104221	100) %	Type Lo	<u>c' Texture</u>		Remar	15
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6		100	STRUCTURE CONTRACTOR						
10	104241	80	10YR 4/	4 20					
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				N	The second s		· .		
e: C=Con	centration. C=Deplet	ion, RM=	Reduced Matrix,	MS=Masked	Sand Grains	² Location		t Lining, M=M	atriv
ric Soli Ind	licators:		,		•	Indicators	for Proble	matic Hydric	solis ³ ;
Histosol (A	A.	c	🖌 Polyvalue Be		S8) (LRR R,	2 cm #	Auch (A10)	LRR K. L. M	ILRA 1498
Histic Epip Black Histic			MLRA 149			Cosst	Prairie Rec	dox (A16) (LR	R K, L, R)
	Sulfide (Ad)			mace (S9) (L) y Mineral (F1)	RR R, MLRA 14		Aucky Peak	or Feat (S3) (LRR K, L, I	(LRR K, L,
					THEFT THE THE		an sure fear	FILMENTS The May 1	WI.J
	Byers (A5)	-	_ Loamy Gleye	d Matrix (F2)		Polyva	hie Below	Surface (S8) (1 BBK K IN
Depicted B	elow Dark Surface (/	A11)	Loamy Gleye	d Matrix (F2) rix (F3)		Polyva Thin D	ark Surface	Sùrlace (S8) (e (S9) (LRR K	(, L)
Depleted B Thick Dark	elow Dark Surface (/ Surface (A12)	A11)	Loamy Gleye Depleted Mat Redox Dark S	d Matrix (F2) rix (F3) Surface (F5)	. 1	Polyva Thin D Iron-M	ark Surface anganese l	e (S9) (LRR K Masses (F12)	(, L) (LRR K. L.
Depleted B Thick Dark Sandy Muc	elow Dark Surface (/ Surface (A12) ky Mineral (S1)	A11)	Loamy Gleye Depleted Mat Redox Dark S Depleted Dari	d Matrix (F2) rix (F3) Surface (F5) k Surface (F7	. 1	Polyva Thin D Iron-M Piedma	ark Surface anganese l ont Flocopi	e (S9) (LRR M Masses (F12) ein Soils (F19	(, L) (LRR K, L,)) (MLRA 14
Depleted B Thick Dark Sandy Muc Sandy Gley Sandy Red	elow Dark Surface (/ Surface (A12) ky Mineral (S1) ed Matrix (S4) ox (S5)	A11)	Loamy Gleye Depleted Mat Redox Dark S	d Matrix (F2) rix (F3) Surface (F5) k Surface (F7	. 1	Polyva Thin D Iron-M Piedma Mesic (ark Surfaci anganese i ont Floodpi Spodic (TA	e (59) (LRR K Masses (F12) ain Soils (F19 6) (MLRA 144	(, L) (LRR K, L,)) (MLRA 14
Depleted B Thick Dark Sandy Muc Sandy Gley Sandy Red Stripped Ma	elow Dark Surface (/ Surface (A12) ky Mineral (S1) red Matrix (S4) ox (S5) nink (S6)	-	Loamy Gleye Depleted Mat Redox Dark S Depleted Dari	d Matrix (F2) rix (F3) Surface (F5) k Surface (F7	. 1	Polyva Thin D Iron-M Piedma Red Pa Red Pa Very Si	ank Surface anganese I ont Floodp Spodic (TA Iront Mater hallow Darl	e (S9) (LRR K Masses (F12) ain Soils (F19 6) (MLRA 144 iai (F21) k Surface (TF	(, L) (LRR K, L,) (MLRA 14 8A, 145, 14
Depleted B Thick Dark Sandy Muc Sandy Gley Sandy Red Stripped Ma Dark Surfac	elow Dark Surface (/ Surface (A12) ky Mineral (S1) ed Matrix (S4) ox (S5) ninx (S6) xe (S7) (LRR R, MLR	LA 149B)	Loamy Gleye Depleted Mat Redox Dark S Depleted Dari Redox Depre	d Matrix (F2) rix (F3) Surface (F5) k Surface (F7 ssions (F8)		Polyva Thin D Iron-Mi Piedma Red Pa Very Si C(her (ank Surface anganese i ont Floodpi Spodic (TA urent Mater hallow Dari Explain in 1	e (S9) (LRR K Masses (F12) ain Soils (F19 6) (MLRA 144 iai (F21) k Surface (TF	(, L) (LRR K, L,) (MLRA 14 8A, 145, 14
Depleted B Thick Dark Sandy Muc Sandy Red Sinpped Ma Dark Surfac sators of hys	elow Dark Surface (/ Surface (A12) ky Mineral (S1) ed Matrix (S4) ox (S5) mix (S6) >> (S7) (LRR R, MLR drophylic vegetation	LA 149B)	Loamy Gleye Depleted Mat Redox Dark S Depleted Dari Redox Depre	d Matrix (F2) rix (F3) Surface (F5) k Surface (F7 ssions (F8)		Polyva Thin D Iron-Mi Piedma Red Pa Very Si C(her (ank Surface anganese i ont Floodpi Spodic (TA urent Mater hallow Dari Explain in 1	e (S9) (LRR K Masses (F12) ain Soils (F19 6) (MLRA 144 iai (F21) k Surface (TF	(, L) (LRR K, L,) (MLRA 14 8A, 145, 14
Depleted 8 Thick Dark Sandy Muc Sandy Red Sandy Red Stripped Ma Dark Surfac sators of hy- rictive Lay-	elow Dark Surface (/ Surface (A12) ky Mineral (S1) ed Matrix (S4) ox (S5) mix (S6) >> (S7) (LRR R, MLR drophylic vegetation or (If obset ved);	LA 149B)	Loamy Gleye Depleted Mat Redox Dark S Depleted Dari Redox Depre	d Matrix (F2) rix (F3) Surface (F5) k Surface (F7 ssions (F8)		Polyva Thin D Iron-Mi Piedma Red Pa Very Si C(her (ank Surface anganese i ont Floodpi Spodic (TA urent Mater hallow Dari Explain in 1	e (S9) (LRR K Masses (F12) ain Soils (F19 6) (MLRA 144 iai (F21) k Surface (TF	(, L) (LRR K, L,) (MLRA 14 8A, 145, 14
Depleted 8 Thick Dark Sandy Muc Sandy Red Siripped Ma Dark Surfac actors of hy rictive Lay-	elow Dark Surface (/ Surface (A12) ky Mineral (S1) red Matrix (S4) ox (S5) httix (S6) re (S7) (LRR R, MLR drophylic vegetation or (If observed):	LA 149B)	Loamy Gleye Depleted Mat Redox Dark S Depleted Dari Redox Depre	d Matrix (F2) rix (F3) Surface (F5) k Surface (F7 ssions (F8)		Polyva Thin D Iron-Mi Piedma Red Pa Very Si C(her (ark Surface anganese I ont Flocopi Spodic (TA Iront Mater hallow Dari Explain in 1	e (S9) (LRR M Masses (F12) ain Soite (F19 &) (MLRA 144 ial (F21) k Surface (TF Remarks)	(, L) (LRR K, L,)) (NLRA 14 8A, 145, 14 12)
Depleted B Thick Dark Sondy Muc Sandy Gley Sandy Red Stripped Ma Dark Surfac ators of hy lictive Lay pe: pht (inches	elow Dark Surface (/ Surface (A12) ky Mineral (S1) red Matrix (S4) ox (S5) httix (S6) re (S7) (LRR R, MLR drophylic vegetation or (If observed):	LA 149B)	Loamy Gleye Depleted Mat Redox Dark S Depleted Dari Redox Depre	d Matrix (F2) rix (F3) Surface (F5) k Surface (F7 ssions (F8)		Polyva Thin D Iron-Mi Piedma Red Pa Very Si C(her (ark Surface anganese I ont Flocopi Spodic (TA Iront Mater hallow Dari Explain in 1	e (S9) (LRR K Masses (F12) ain Soils (F19 6) (MLRA 144 iai (F21) k Surface (TF	(, L) (LRR K, L,)) (NLRA 14 8A, 145, 14 12)
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Project/Site: Cloveward		0-	0	ng Date: May 1
		County: <u>Prance</u>		
Applicativowiter.			State: NY_ S	Sampling Point:
Investigator(s): Kobert Lorger	Ser Ser	tion, Township, Range: _		
Landform (hillslope, terrace, etc.):			ave, convex, none):	
Slope (%): Lat: Lat:	<u>52.78</u> Lor	g: 74-09-5	4.2.5 Datum:	google
Soil Map Unit Name: <u>EBIE</u>		2	NWI classification:	. Unexperiment
Are climatic / hydrologic conditions on the site ty	pical for this time of year?	Yes No	(If no, explain in Remarks.)	1
Are Vegetation, Soil, or Hydrolo				and the second se
Are Vegetation, Soil, or Hydrolog				
			-	
SUMMARY OF FINDINGS – Attach	site map showing sa	mpling point locati	ons, transects, impor	rtant features, et
Hydrophytic Vegetation Present? Yes	No	is the Sampled Area		
Hydric Soil Present? Yes	No	within a Wetland?	Yes No	
Wetland Hydrology Present? Yes		If yes, optional Wetlan	d Site ID:	
Remarks: (Explain alternative procedures here				
Hydrie Soll Chronas				
FACLE Plast Comunity				
· · · · · · · · · · · · · · · · · · ·		٨		
located along a seas	and streache	V.		
IYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (mini	mum of two required)
Primary Indicators (minimum of one is required	· check all that annly)	7	Surface Soil Cracks (B	
Surface Water (A1)	Water-Stained Leav	es (89)	Drainage Patterns (B1	<u>^</u>
High Water Table (A2)	Aquatic Fauna (B13	• •	Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Tak	
Water Marks (B1)	Hydrogen Sulfide O	dor (C1)	Crayfish Burrows (C8)	
Sediment Deposits (B2)	The set of	res on Living Roots (C3)	Saturation Visible on A	
Drift Deposits (B3)	Presence of Reduce		Stunted or Stressed Pl	1000 Contraction (1990)
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reducti Thin Muck Surface (on in Tilled Soils (C6)	Geomorphic Position (Shallow Aquitard (D3)	D2)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Re		Microtopographic Relie	ef (D4)
Sparsely Vegetated Concave Surface (B8)			FAC-Neutral Test (D5)	
Field Observations:	· · · · · · · · · · · · · · · · · · ·	. [
Surface Water Present? Yes No	Depth (inches):			
Water Table Present? Yes No	Depth (inches):	6		
Saturation Present? Yes No _ (includes capillary fringe)	Depth (inches):	Wetland H	lydrology Present? Yes	No
Describe Recorded Data (stream gauge, monito	oring well, aerial photos, pr	evious inspections), if ava	ilable:	
Remarks:	· · · · · · · · · · · · · · · · · · ·			
ground water authent	S			
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ground water adtet along straubed				
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				×
Jocisdid self Area				

Northcentral and Northeast Region - Interim Version

Clove wood K

VEGETATION - Use scientific names of plants.

VEGETA HOR - Use scientific names of plants				Sampling Point:
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?		
			FAL	T I strate and the set of the set of the set of the
2	a. Contraction of the local data			Total Number of Dominant Species Across All Strata; (B)
4.				
5				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7.		Construction of the second	NAME OF THE OWNER OF	Totel % Cover of Multiply by:
	;	= Tolai Cov	er	OBL species x1=
<u>Sacling/Shrub Stratum</u> (Plot size:) 1SPICE BUSH			Chas.	FACW species x 2 = FAC species x 3 =
			FALD-	FACU species x 4 =
2				UPL species x5 =
3				Column Totals: (A) (B)
5.				Prevalence Index = B/A =
S				Hydrophytic Vegetation Indicators:
7				K 1 - Rapid Test for Hydrophylic Vegetation
	-		۱F	2'- Dominance Test is >50%
Herb Stratum (Plot size:)				3 - Prevalence Index is ≤3.0 ³
. TUSSELK SEDLE		(<u>031</u>	 4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
			, 	Problematic Hydrophylic Vegetation' (Explain)
۱	·			/ Indicators of hydric soil and welland hydrology must
				be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Tree Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
				Sapling/shrub - Woody plants less than 3 in. DBH
				and greater than or equal to 3.26 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
	# 1			height.
(Plot size:)			ŀ	
· · · · · · · · · · · · · · · · · · ·				
				2
				Hydrophylic Vegetation
######################################	-			Present? Yes No
marks: (Include photo numbers here or on a separate she		otal Cover		
) (
Forest wethand Habit	Lt			
TUTEST WEREAU (IAB)	cer			

US Army Corps of Engineers

Cloue wood K

Depth	poon: (Describe Matrix	un unit die	pth needed to docu		ator or con	firm the absenc	en of Indicators.)
(inches)	Color (moist)	%	Color (moist)	ox Features % T	e Loc	Texture	Remarks
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		distant statements				and an and a second	
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				Contraction Contraction			
voric Soli Indi	cators:	tion, RM=	Reduced Matrix, MS	=Masked Sand	Grains	² Location	PL=Pore Lining, M=Matrix
Histosol (A1			Polyvalue Below	Surface (CB) /	eee i		for Problematic Hydric Solis ³ ;
" Histic Ecipe	don (A2)		MLRA 1498)	on mea (30) (i	PUR PU	Coast	Auch (A10) (LRR K, L, MLRA 1498) Prairie Redox (A16) (LRR K, L, R)
Black Histic		-	Thin Dark Surfac	e (S9) (LRR R,	MLRA 149	B) 5 cm M	lucky Peat or Feat (S3) (LRR K, L, R)
Hydrogen Si Stratified Lay		-	Loamy Mucky Mi	ineral (Ft) (LRI	K, L)	Dark S	urface (S7) (LRR K, L, M)
F cananued rul	/CIS (/AD)						
Depleted Rel	low Dark Surface (A 111	Loamy Gleyed M			Polyval	te Below Surface (S6) (LRR K, L)
Depleted Bel / Thick Dark S	low Dark Surface (A11)	Depleted Matrix ((F3)		Thin De	ank Surface (S9) (LRR K, L)
/ Thick Dark S Sendy Muck	low Dark Surface (urface (A12) / Mineral (S1)	A11)	Depleted Matrix (Redox Dark Surfi	(F3) nce (F5)		Thin Di	ark Surface (S9) (LRR K, L) Inganese Masses (F12) (LRR K, L, I
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	ORM – Northcentral and Northeast Region
Project/Site:Cloue wood City	/County: <u>OBANGE</u> sampling Date: <u>1/4/2014</u>
Applicant/Owner:GDC	State: Sampling Point:
Investigator(s): <u>ROBERT TORGERSEIN</u> Sec	tion, Township, Range:
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):
Slope (%): Lat: 41-23-690 N Lon	9: 74-09-42.66 W Datum: 600910
Soil Map Unit Name: <u>Canadary ve</u>	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS - Attach site map showing sa	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Hydric So. 1 Chrowices	
FACIS Plant Community	4
A A A	
mapped hydric soils	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leave	· · · · · · · · · · · · · · · · · · ·
Ligh Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odd	Dry-Season Water Table (C2)
	or (C1) Crayfish Burrows (C8) es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced	
Algai Mat or Crust (B4) Recent Iron Reduction	
Iron Deposits (B5) Thin Muck Surface (C Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem Sparsely Vegetated Concave Surface (B8)	arks) Microtopographic Rellef (D4) FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yas No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previ	ous inspections), if available:
Remarks:	
Jurisdictional Area	
300 tacre watershed	
ZOOLAISPINSTEICHER	
200 (200 0 0 0 0 0 V	
	с
Jurisdictional Area	

Clouewood L

VEGETATION - Use scientific names of plant

VEDETATION - Use scientific names of plan			Sampling Point:
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Indicator Species? Status	r Dominance Test worksheet:
1. PIN OAK		EL IN	Number of Dominant Species
2. BED MAPLE		FAC	2 That Are OBL, FACW, or FAC:
3	maker internet and a second second		Total Number of Dominant
4		annannagannin jananaaran	Species Across All Strate: (
5			- Percent of Dominant Species
5			That Are OBL, FACW, or FAC:
6			- Prevalence Index worksheet:
7		אין אינער אין	Total % Cover of Multiply by:
	***	Tolai Cover	OBL species x1=
Secting/Strub Stratum (Plot size:)			FACW species x 2 =
I SILKY DOGWOOD			FAC species x 3 =
2 			FACU species x 4 =
	-		UPL species x5 =
h			Column Totals: (A) (
			Prevalence Index = B/A =
	· · ··································		Hydrophytic Vegetation Indicators:
*			-1 - Rapid Test for Hydrophytic Vegetation
	= = = T		2 - Dominance Test is >50%
erb Stratum (Plot size:)	Contraction and a		3 - Prevalence Index is ≤3.0"
CATTAIL		oBL	4 - Morphological Adaptations ¹ (Provide supporti data in Remarks or on a separate sheet)
SENDING FIZKN		EALIN	Problematic Hydrophylic Vegetation ² (Explain)
TUSSOLL SEDLE	entration and a second	£31	/ / / / / / / / / / / / / / / / / / /
			Indicators of hydric soil and welland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Vegetation Strata:
			Tree - Woody plants 3 in. (7.6 cm) or more in diamete
	Manager Manager	Same and Same and Same	at breast height (DBH), regardless of height.
4			Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.26 ft (1 m) tall,
4			
			Herb - All herbaccous (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.
ody Vine Stratum (Flot size:)	= Tol	a Cover	
)		Γ	
· · · · · · · · · · · · · · · · · · ·			
			Hydrophylic
			Vogelation Present? VesNo
arks: (include photo numbers here or on a separate she	= Tota	l Cover	
			· • • • •
ACLD-OBL PLANT COM		. (
ACW-OBL PLANT COM			
ACW-031 PLANT COM			
ACW-031 PLANT COM			

Cloue wood L

	ription: (Describe	to the d	opth neede	d to docu	ment the	Indicator	arcantin	n the absence	of Indicators.)
Depth	Matrix		-	Red	ox Feature				
<u>(inches)</u>	Color (moist)	%	Color	(moist)	<u>%</u>	Type	Loc	Texture	Remarks
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						- Andressen Laurenter	. diagonialement hims des		
		TH STATESTIC				*******		-	
and a second							-	Contraction of the local dist	
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pe: C=Con	centration, C=Dept	etion, RM	=Reduced I	Matrix, MS	-Masked	Sand Gra	105	² Location:	PL=Pore Lining, M=Matrix,
dric Soll Inc			1			• • • • • • • • • • • • • • • • • • • •		Indicators	for Problematic Hydric Solis ³ ;
, Histosol (A	N		Poływa	lue Below	Surface (58) (LRR	R, 1	2 cm M	uck (A10) (LRR K, L, MLRA 1498)
Histic Ecip				ra 1498)				Cosst F	Taine Redox (A16) (LRR K, L, R)
Black Histi			Thin D	ark Surfac	ce (S9) (Li	RR R, ML	RA 149B)	5 cm M	ucky Peat or Peat (S3) (LRR K, L, R
	Sulfide (All)	1	Loamy	Mucky M	ineral (F1)	(LRR K,	IJ	Dark Sa	uface (S7) (LRR K, L, M)
Stratified Li	elow Dark Surface	20.002			fetrix (F2)				ae Below Surface (S6) (LRR K, L)
		(ALL)	rebier	ed Matrix				Inm De	nk Surface (S9) (LRR K, L)
Finck Dark	SUMBCe (A12)		Redox	Dark Sarl	are (ES)				
Thick Dark Sendy Muc	Surface (A12) ky Mineral (S1)			Dark Surf ed Dark S				Iron-Ma	nganese Masses (F12) (LRR K, L, F
Sandy Muc			Deplet		urlace (F7	6	1	Iron-Ma Fiedmo	nganese Masses (F12) (L.R.R.K. L., F nt Floodplain Soils (F19) (MLRA 149
Sendy Muc Sendy Gley Sendy Red	ky Mineral (St) ved Malrix (S4) ax (S5)		Deplet	ed Dark S	urlace (F7	ó	t	Iron-Ma Fiedmo Mesic S	nganese Masses (F12) (LRR K, L, F nt Floodplain Soils (F19) (MLRA 143 podic (TA6) (MLRA 144A, 145, 149)
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Sendy Muc Sendy Gley Sandy Red Stripped Ma	ky Mineral (St) ved Malrix (S4) ax (S5)	.RA 1498	Deplet	ed Dark S	urlace (F7	ó	1	Iron-Ma Piedmo Mesic S Red Pau Very Sh	nganese Masses (F12) (LRR K, L, F nt Floodplain Soits (F19) (NLRA 143 podic (TA6) (MLRA 144A, 145, 149) rent Material (F21)
Sendy Muc Sendy Gley Sandy Red Stripped Me Dark Surfac	ky Mineral (St) red Malrix (S4) ox (S5) ninit (S6) xe (S7) (LRR R, Mi		Deplet Redox	ed Dark S Depressio	urface (F7 ons (F8)	*	1.	Iron-Ma Fiedmo Red Pau Very Sh Cther (E	nganese Masses (F12) (LRR K, L, F nt Floodplain Soits (F19) (NLRA 143 podic (TA6) (MLRA 144A, 145, 149) rent Material (F21) allow Dark Surface (TF12)
Sendy Muc Sandy Gley Sandy Red Stripped Ma Dark Surfac	ky Mineral (S†) red Malrix (S4) ox (S5) rinix (S6)		Deplet Redox	ed Dark S Depressio	urface (F7 ons (F8)	*	/ disturbed a	Iron-Ma Fiedmo Red Pau Very Sh Cther (E	nganese Masses (F12) (LRR K, L, F nt Floodplain Soits (F19) (NLRA 143 podic (TA6) (MLRA 144A, 145, 149) rent Material (F21) allow Dark Surface (TF12)
Sandy Muc Sandy Gley Sandy Red Stripped Ma Dark Surfact icetors of hy Infotive Lay	ky Mineral (S1) ved Malrix (S4) ox (S5) ninit (S6) ve (S7) (LRR R, Mil drophylic vegetetic		Deplet Redox	ed Dark S Depressio	urface (F7 ons (F8)	*	/ disturbed a	Iron-Ma Fiedmo Red Pau Very Sh Cther (E	nganese Masses (F12) (L.R.R.K. L. F nt Floodplain Soits (F19) (MLRA 145 podic (TA6) (MLRA 144A, 145, 149) rent Material (F21) allow Dark Surface (TF12)
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Sendy Muc Sendy Gley Sendy Red Stripped Me Dark Surfaction Interior Lay 'ype: Depth (inchestion)	ky Mineral (S1) red Malrix (S4) ox (S5) httiz (S6) re (S7) (LRR R, M) drophylic vegetetic er (If obset ved):		Deplet Redox	ed Dark S Depressio	urface (F7 ons (F8)	*	disturbed o	Iron-Ma Fiedmo Red Pau Very Sh Cther (E	nganese Masses (F12) (LRR K, L, R nt Flocoplain Soits (F19) (NLRA 143 podic (TA6) (MLRA 144A, 145, 149) rent Material (F21) allow Dark Surface (TF12) Explain in Remarks)
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	MINATION DATA F	ORM - Northcentr	al and Northea	st Region
Project/Site: Closewood	City	County: ORAL	NGE	Sampling Date: TAY ZOI
Applicant/Owner:	C			Sampling Point: M
Investigator(s): ROBERT 6. TO	RGERSEN Sec	tion, Township, Range:		
Landform (hillslope, terrace, etc.):		Local relief (cond	ave, convex, none)	
Slope (%): Lat: 4[-22-	57.15 N Lon	74-10-14	1.62W	Datum: Google
Soil Map Unit Name: March			NWI classific	
Are climatic / hydrologic conditions on the site typi	ical for this time of year?	Yes No	(If no, explain in R	
Are Vegetation, Soil, or Hydrology			al Circumstances" p	
Are Vegetation, Soil, or Hydrology			, explain any answe	
SUMMARY OF FINDINGS - Attach sit				
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	No No No	Is the Sampled Area within a Wetland? If yes, optional Wetland	Yes	No
Remarks: (Explain alternative procedures here o	r in a separate report.)			·
Hydric seil chromas				
FACW Plant Community				
Votland Hydro logs			1	
HYDROLOGY				8
Wetland Hydrology Indicators:	<u>.</u>		Secondary Indicate	ors (minimum of two required)
Primary Indicators (minimum of one is required; ch	neck all that apply)	e	Surface Soil C	
Surface Water (A1)	Water-Stained Leave	s (B9)	Drainage Patt	erns (B10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lin	
Saturation (A3)	Marl Deposits (B15)			/ater Table (C2)
Water Marks (B1) Sediment Deposits (B2)	Hydrogen Sulfide Odd	or (C1) es on Living Roots (C3)	Crayfish Burro	ible on Aerial Imagery (C9)
Drift Deposits (B3)	_ Presence of Reduced			essed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction		Geomorphic P	
Iron Deposits (B5)	_ Thin Muck Surface (C		k Shallow Aquita	
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)	Other (Explain in Rem	arks)	Microtopograph	
Field Observations:			K FAC-Neutral To	
Surface Water Present? Yes No	Depth (inches):		- 1 Sec	
	Depth (inches):	10		1
Saturation Present? Yes No	Depth (inches):	Wetland H	ydrology Present?	Yes No
includes capillary fringe) Describe Recorded Data (stream gauge, monitoring	y well, aerial photos, prev	ious inspections), if avai	lable:	
lemarks:				
Gaure watershed		· ·		
	· .			
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"slated a part				

Clovewood M

VEGETATION - Use scientific names of plants.

TECENTITIEN OUR OFFICIANT TRAFFICS OF PID		Sampling Point:
Tree Stratum (Plot size:)	Absolute Dominant Indicator % Cover Species? Status	
1. PIN OAK	FAC	Number of Dominant Species
2 BED MAPLE	- AC	Total Number of Dominant
3.		Species Across All Strata: (B)
		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
5 6		That Are OBL, FACW, or FAC: (A/B)
7		Prevalence Index worksheet:
	= Tolat Cover	Total % Cover of Multiply by: OBL species x1 =
Septing/Shrub Stratum (Plot size:)		FACW species x2=
1RKE BUSH	FACU-	FAC species x 3 =
2.		FACU species x 4 = UPL species x 5 =
3.		UPL species x 5 =
4		Column Totals: (A) (B)
5		Prevalence Index = B/A =
6.		Hydrophytic Vegetation Indicators:
7		1 - Rapid Test for Hydrophylic Vegetation
	= Total Cover	2 - Dominance Test is >50%
Herb Stratum (Plot size:)		3 - Prevalence Index is ≤3.0 ³ 4 - Morphological Adaptations ¹ (Provide supporting)
	ne permanantantan nanananananan anananananan	data in Remarks or on a separate sheet)
2	· · · · · · · · · · · · · · · · · · ·	Problematic Hydrophylic Végetation' (Explain)
3		Indicators of hydric soil and welland hydrology must
4 5		be present, unless disturbed or problematic.
б	an manufacture mention contract description	Definitions of Vegetation Strata:
7		Tree – Woody plants 3.in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8		Saplingishrub - Woody plants less than 3 in. DBH
9		and greater than or equal to 3.26 ft (1 m) tall.
10		Herb - All herbaceous (non-woody) plants, regardless
1,		of size, and woody plants less than 3.20 ft tall.
12		Woody vines - All woody vines greater than 3.28 ft in height.
Moorty Vine Stratum (Flot size:)	= Tolal Cover	
(riotaze)		
· · · · · · · · · · · · · · · · · · ·		
,,		the start of the s
k		Hydrophytic Vegetation
	= Total Cover	Present? Yes No
temarks: (include photo numbers here or on a separate s		
~	1	
DOMINGET FACED PLANT	COMMUNITY	
(hours		
FOR STILL STATE		
BGA ST .		
1		

US Army Corps of Engineers

Cloucwood M

Pronte Des	cription: (De							or contin	n the absei	100 10	dicator	¥.)	
Depth (inches)	Color (m	Matrix Inist	%	Color (n		x Feature			-	:			1.1
<u> </u>		war.			INCISII	<u>*</u>	<u>Type'</u>	Los	Texture			Remark	5
2	0.20	21		-									
	5YR	2/1	100	-		-			-	:		L 1 I	
-	-		_										
6	SYR	4%	80	SYR	4/4	20					:		
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pe: C=C~	ncentration . C	Dente	tion Dia	Dadmand to.	triv ter	-			a .				
dric Soli In	dicators:				111 4. NK S	-musked	sana Gra	I NS .	"Location Indicator	n: PL=f	Pore Lin	ing. M=M	nix, Balle ³
Histosol (A1)	. •		Polyvalu	e Below	Surface (58) (L.R.P.	R. i					Solis"; LRA 149B)
Histic Epi	pedon (A2)		-		1498)				Coss	t Prairie	Redox	A16) (LR)	R K, L, R)
Black Hist				Thin Dar	k Sudac	e (S9) (LF	R R, ML	RA 149B)	5 cm	Mucky F	bat or f	Peat (S3)	LRR K, L,
Hydrogen	Cultida I.t.It				In mine & Al	neral (E1)	ILRR K	L)	Dark	-		DUIL	
Cloudid and I		÷.,	-	_ Loamy N	annith but	the ME FL. FT	Tempera cui		- Liden	Surface	(S/) (LI	TU NA PE D	0
	Layers (A5)	Inform f		_ Loamy G	leyed M	atrix (F2)	Tenesis (w)		Poly	alue Bel	ow Sùrl	ace (S8) (LRR K, L)
Depleted I	Layers (A5) Below Dark S		A11) _	Loamy G	ileyed M Matrix (atrix (F2) F3)	Tanakin (vé l		Polyv	alue Bel Dark, Sur	ow Sùrl face (S	ace (S8) (3) (LRR K	LRR K, L) . L)
Depleted I Thick Dark Sandy Mu	Layers (A5) Below Dark S & Surface (A1 cky Mineral (3	2) S1)	A11)	Loamy G Depleted Redox D	ileyed M I Matrix (ark Sorfe	atrix (F2) F3) Ice (F5)			Polyv Thin Iron-1	alue Bel Dark, Sur Vangane	ow Sùrf face (S se Mas	ace (S8) (9) (LRR K ses (F12)	LRR K, L) , L) (LRR K, L,
Depleted I Thick Dark Sandy Mu Sandy Gle	Layers (A5) Below Dark S & Surface (A1 cky Mineral (yed Matrix (S	2) S1)	A11) -	Loamy G Depleted Redox D	ileyed M Matrix (ark Surfi Dark Su	atrix (F2) F3) Ice (F5) Irface (F7)			Polyv Thin Iron-1 Fiedr	alue Bel Dark, Sur Mangane nont Flox	ow Sùrf face (Si se Mas soplain S	ace (S8) (9) (LRR K ses (F12) Sols (F19)	LRR K, L) , L) (LRR K, L, (MLRA 14
Depleted I Thick Dari Sandy Mu Sandy Gla Sandy Rec	Layers (A5) Below Dark S & Surface (A1 cky Mineral (yed Matrix (S dox (S5)	2) S1)	A11)	Loamy G Depleted Redox D Depleted	ileyed M Matrix (ark Surfi Dark Su	atrix (F2) F3) Ice (F5) Irface (F7)			Polyv Thin Iron-1 Piedr Mesid Red I	alue Bel Dark, Sur Mangane nont Flox Spodic Parent M	ow Sùrl face (Si se Masi xdplain ((TA6) (I aterial (I	ace (S8) (5) (LRR K 505 (F12) Sols (F19) MLRA 144 F21)	LRR K, L) , L) (LRR K, L, (MLRA 14 (A, 145, 14
Depleted I Thick Dark Sandy Mu Sandy Gle Sandy Rec Stripped M	Layers (A5) Below Dark S & Surface (A1 cky Mineral (cky Matrix (S dox (S5) Matrix (S6)	2) 51) 54)	-	Loamy G Depleted Redox D Depleted	ileyed M Matrix (ark Surfi Dark Su	atrix (F2) F3) Ice (F5) Irface (F7)		а; н н н т	Polyv Thin Iron-1 Piedr Mesia Red I Very	alue Bel Dark, Sur Mangane nont Floo Spodic Parent M Shallow I	ow Sùrl face (Si se Mas xdplain ((TA6) (I aterial (I Dark Su	ace (S8) (b) (LRR K ses (F12) Soils (F19) MLRA 144 F21) (Tace (TF1	LRR K, L) , L) (LRR K, L, (MLRA 14 (A, 145, 14)
Depleted I Thick Dark Sandy Mu Sandy Gle Sandy Rec Stripped M Dark Surfa	Layers (A5) Below Dark S & Surface (A1 cky Mineral (3 byed Matrix (S dox (S5) fatrix (S6) foce (S7) (LRR	2) 51) 34) R, MLI		Loamy G Depleted Redox D Depleted Redox D	ileyed M Matrix (ark Surfi Dark Su epressio	atrix (F2) F3) ice (F3) irface (F7) ns (F8)			PolyA Thin Iron-1 Piede Nesid Red I Very : Qther	alue Bel Dark, Sur Mangane nont Floo Spodic Parent M Shallow I (Explain	ow Sùrl face (Si se Mas xdplain ((TA6) (I aterial (I Dark Su	ace (S8) (b) (LRR K ses (F12) Soils (F19) MLRA 144 F21) (Tace (TF1	LRR K, L) , L) (LRR K, L, (MLRA 14 (A, 145, 14)
Depleted I Thick Dark Sendy Mu Sandy Gle Sandy Rec Stripped M Dark Surfa	Layers (A5) Below Dark S k Surface (A1 cky Mineral (i vyed Matrix (S dox (S5) Matrix (S6) nce (S7) (LRR vdrophytic ve	2) S1) S4) R, ML I getation		Loamy G Depleted Redox D Depleted Redox D	ileyed M Matrix (ark Surfi Dark Su epressio	atrix (F2) F3) ice (F3) irface (F7) ns (F8)			PolyA Thin Iron-1 Piede Nesid Red I Very : Qther	alue Bel Dark, Sur Mangane nont Floo Spodic Parent M Shallow I (Explain	ow Sùrl face (Si se Mas xdplain ((TA6) (I aterial (I Dark Su	ace (S8) (b) (LRR K ses (F12) Soils (F19) MLRA 144 F21) (Tace (TF1	LRR K, L) , L) (LRR K, L, (MLRA 14 (A, 145, 14)
Depleted I Thick Dark Sendy Mu Sandy Gle Sandy Rec Stripped M Dark Surfa icators of hy trictive Lay	Layers (A5) Below Dark S & Surface (A1 cky Mineral (cky Matrix (S dox (S5) Matrix (S6)	2) S1) S4) R, ML I getation		Loamy G Depleted Redox D Depleted Redox D	ileyed M Matrix (ark Surfi Dark Su epressio	atrix (F2) F3) ice (F3) irface (F7) ns (F8)			PolyA Thin Iron-1 Piede Nesid Red I Very : Qther	alue Bel Dark, Sur Mangane nont Floo Spodic Parent M Shallow I (Explain	ow Sùrl face (Si se Mas xdplain ((TA6) (I aterial (I Dark Su	ace (S8) (b) (LRR K ses (F12) Soils (F19) MLRA 144 F21) (Tace (TF1	LRR K, L) , L) (LRR K, L, (MLRA 14 (A, 145, 14)
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Depleted I Thick Dark Sandy Mu Sandy Gle Sandy Rec Stripped M Dark Surfa Cators of hy Inictive Lay ype: epth (inche	Layers (A5) Below Dark S k Surface (A1 cky Mineral (i vyed Matrix (S dox (S5) fatrix (S6) ice (S7) (LRR ydrophytic ve wer (If observ	2) S1) S4) R, ML I getation		Loamy G Depleted Redox D Depleted Redox D	ileyed M Matrix (ark Surfi Dark Su epressio	atrix (F2) F3) ice (F3) irface (F7) ns (F8)		ksturbed or	PolyA Thin Iron-1 Piede Nesid Red I Very : Qther	alue Bel Dark, Sur Mangane nont Floc Spodic Parent M Shallow ((Explain c.	ow Sùrf face (S se Mas xdplain s (TAG) (I aterial (I Dark Su in Rem	ace (S8) (i)) (LRR K, ses (F12) Sols (F19) ALRA 144 F21) (face (TF1 arks)	LRR K, L) , L) (LRR K, L, (MLRA 14 (A, 145, 14)
Depleted I Thick Dark Sandy Mu Sandy Gle Sandy Rec Stripped M Dark Surfa icators of hy trictive Lay Spe: Septh (inches	Layers (A5) Below Dark S k Surface (A1 cky Mineral (i vyed Matrix (S dox (S5) fatrix (S6) ice (S7) (LRR ydrophytic ve wer (If observ	2) S1) S4) R, ML I getation		Loamy G Depleted Redox D Depleted Redox D	ileyed M Matrix (ark Surfi Dark Su epressio	atrix (F2) F3) ice (F3) irface (F7) ns (F8)		ksturbed or	PolyA Thin Iron-1 Piedr Nesid Red I Very Other	alue Bel Dark, Sur Mangane nont Floc Spodic Parent M Shallow ((Explain c.	ow Sùrf face (S se Mas xdplain s (TAG) (I aterial (I Dark Su in Rem	ace (S8) (i)) (LRR K, ses (F12) Sols (F19) ALRA 144 F21) (face (TF1 arks)	LRR K, L) , L) (LRR K, L,) (MLRA 14 (A, 145, 14) (2)
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WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Project/Site:	5
Applicant/Owner:	5
Investigator(s):	
Landform (hillslope, terrace, etc.):	
Slope (%): Lat: <u>Al-23-12.13 N</u> Long: <u>T4-03-28.85 U</u> Datum: <u>George</u> Soil Map Unit Name: <u>Mand:</u>	2
Soil Map Unit Name:	2
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation, Soil, or Hydrology significantly disturbed? InC Are "Normal Circumstances" present? Yes No Are Vegetation, Soil, or Hydrology naturally problematic? InC Are "Normal Circumstances" present? Yes No SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features Hydrophytic Vegetation Present? Yes No Is the Sampled Area Within a Wetland? Yes No	7
Are Vegetation, Soil, or Hydrologysignificantly disturbed? InO Are "Normal Circumstances" present? Yes Normal Circumstances" present? Yes Normal Circumstances pr	7
Are Vegetation, Soil, or Hydrology naturally problematic? (10 (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Ves No Is the Sampled Area Within a Wetland? Yes No	
BUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features Hydrophytic Vegetation Present? Yes No Is the Sampled Area No	0
BUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features Hydrophytic Vegetation Present? Yes No Is the Sampled Area Hydric Soll Present? Yes No within a Wetland? Yes No	
Hydrophytic Vegetation Present? Yes No Is the Sampled Area Hydric Soil Present? Yes No within a Wetland?	s, etc.
Hydric Soll Present? Yes No within a Wetland? Yes No No	
Wetland Hydrology Present?	
Remarks: (Explain alternative procedures here or in a separate report.)	
Hydrik Son (Chromas) FACLU Plant Commenter Scarsoul Strember	
/DROLOGY	
Vetland Hydrology Indicators: Secondary Indicators (minimum of two requi	ired)
rimary Indicators (minimum of one is required; check all that apply)	
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) Hvdrogen Sulfide Odor (C1) Craviteb Burrows (C8)	
	.
_ Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9 Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)	"
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)	
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aguitard (D3)	l l
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5)	,
ter Table Present? Yes No Depth (inches): Yes No Depth (inches):	
uration Present? Yes No Depth (inches): Vetland Hydrology Present? Yes No	
ludes capillary fringe)	-
cribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
narks:	
I I I I I I Sobted area	
1300,000,00	
Ocecre watershed lace on Fe	
	:

Clovewood N

VEGETATION - Use scientific names of plants.

TEOE MANON - Ose scientino harries or pr	ants.	Sampling Point:
Tree Stratum (Flot size:)	Absolute Dominant Indicator <u>% Cover Species?</u> Status	Dominance Test worksheet:
1 PIN OAK	FACU	
2		- Total Number of Dominant
3	аналар Фалиппинунуву <mark>ву</mark> а <u>нуулгандарт</u> ан зуратуударууну	Species Across All Strate: (B)
۲. <u> </u>	······································	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/E
·		Prevalence index worksheet:
n Annum a ser an man a sin an an a sin an a sin an a sin an a sin	= Tolal Cover	Total % Cover of Multiply by
apling/Strub Stratum (Plot size:)	OBL species x1 = FACW species x2 =
SPILE BUSH		FAC species x 3 =
	อาวิสต มา. สารรรษฐานฐานตรีการ กระวรรรษากันรรณฑ สามากออกกรรรษ ม	FACU species x 4 = UPL species x 5 =
		Column Totals: (A) (B)
		Provalence Index = B/A =
		Hydrophytic Vegetation Indicators:
		1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
erb Siratum (Plot'size	= Total Cover	3 - Provalence Index is ≤3.0 ⁵
TS355-K Selye	034	 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
SCASITUL Feitre	FACUS	Problematic Hydrophylic Vegetation ⁷ (Explain)
		Indicators of hydric soil and welland hydrology must
		be present, unless disturbed or problematic.
		Definitions of Vegetation Strata:
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4		Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
	time printing and a second sec	Herb - All herbaccous (non-woody) plants, regardless
	And A statements and a statement of the	of size, and woody plants less than 3.28 ft tall,
	= Total Cover	Woody whes - All woody vines greater than 3.28 ft in height.
ody Vine Stratum (Plot size:)		
	•	Hydrophylic Vegetation
	= Total Cover	Presant? Yes No
narks: (include photo numbers here or on a separate	sheet.)	
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US Army Corps of Engineers

Clovewood N

Pronte U6\$(cription: (Describe	6.44 U.M.C 4.343	have encounter the			ntirm the absend	ce of indicators.)
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				<u>sil</u>	<u>Type Loc</u>	Texture	Remarks
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pe: C=Con	centration, D=Depte	ion Pla	Radinead Matri	110-11-to-to-t	Dead Charling	2	
dric Soli In	dicators:	and an all the		, aka=masked	cand Grains.	"Location	PL=Pore Lining, M=Matrix.
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Histic Ecip		-	MLRA 14		SOULERK K,	2 cm N	luck (A10) (LRR K, L, MLRA 1498) Prairie Redox (A16) (LRR K, L, R)
Black Histi					RR R, MLRA 149	B) Scm k	Fraine Fredox (1916) (LRR K, L, R) lucky Peat or Feat (S3) (LRR K, L, F
	Sulfide (A4)	۰.	I annua Mund	ne filineral (Fd	(LRR K, L)		word Four of Four (GD) (LKR R, L, P
			_ roanty eauce	A white a WE (L. I.			
	ayers (A5)	_	_ Loamy Gley	ed Matrix (F2)		Polyval	urface (S7) (LRR K, L, M) We Below Surface (S8) (LRR K, L)
Depleted B	elow Dark Surface (A11) _	Loamy Gleyes Depleted Ma	ed Matrix (F2) Arix (F3)		Polyval	lue Below Surface (S8) (LRR K, L) ank Surface (S9) (LRR K, L)
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WETLAND DETERMINATION DATA FORM - Nort	hcentral and Northeast Region
Project/Site: Clouewood City/County: O	RANGE Sampling Date:
Applicant/Owner:	State: N.Y. Sampling Point: O
Investigator(s): Robert Toracisen Section, Township,	Range; /
C	lief (concave, convex, none):
	09-25,98W Datum: 600661=
Soil Map Unit Name: Alden	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	0 (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	
Are Vegetation, Soil, or Hydrology naturally problematic? Inco (If	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling poin	t locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Sample within a Wet Hydric Soil Present? Yes No within a Wet	land? Yes No
Wetland Hydrology Present? Yes No If yes, optional field of the second	al Wetland Site ID:
FACIN Plant Commission fr	
mapped hydric So. (S	
along seasand strubul	
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) Saturation (A3) Marl Deposits (B15)	Moss Trim Lines (B16) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roo	
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils Iron Deposits (B5) Thin Muck Surface (C7)	
Iron Deposits (B5) Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Shallow Aquitard (D3) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches):	
	etiand Hydrology Present? Yes No
(includes capiliary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections	
	y, il available.
Remarks:	
200+ecce watershal	
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derindreteen aven	
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VEGETATION - Use scientific names of plants.

	100.	Sampling Point:
Tree Stratum (Plot size:)	Absolute Dominant Indicator	Dominance Test worksheet:
200 . 110.00	<u> % Cover</u> <u>Species?</u> <u>Status</u> FAC	Number of Dominant Species
2		
3	undante stannagedates anonsérie dontem sandasegueorad	Total Number of Dominant Species Across All Strata:(B)
4	and and an and a second s	- Percent of Dominant Species
5	· · · ·	That Are OBL, FACW, or FAC: (A/B)
6		Prevalence Index worksheet:
7		Total % Cover of Multiply by:
Septing/Shrub Stratum (Plot size:)	= Tolai Cover	OBL species x1 =
1. <u>SPICE BUSH</u>	FAV ()	FACW species x 2 = FAC species x 3 =
2		FACU species x 4 =
3	<u>สารรรมสารที่สารที่สารที่สารที่สาร</u> สารรรมสารที่สารที่สารที่สารที่สารที่สาร	UPL species x 5 =
4		Column Totals: (A) (B)
5.		Prevalence Index = B/A =
6.		Hydrophytic Vegetation Indicators:
7.		1 - Rapid Test for Hydrophylic Vegetation
	= Total Cover	2 - Dominance Test is >50% 3 - Prevalence Index is <3.0*
Herb Stratum (Plot size:)		4 - Morpholocical Adaptations' (Provide supporting
		data in Remarks or on a separate sheet)
2/		Problematic Hydrophylic Vegetation ¹ (Explain)
3		Indicators of hydric soil and welland hydrology must
		be present, unless disturbed or problematic.
		Definitions of Vegetation Strata:
		Trae — Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
۰		Sapling/shrub - Woody plants less than 3 in. DBH
44		and greater than or equal to 3.26 ft (1 m) tall.
0.		Herb - All herbaceous (non-woody) plants, regardless
	The second	of size, and woody plants less than 3.20 ft tall.
3		Woody vines - All woody vines greater than 3.28 ft in height.
(Plot size:)	= Tolal Cover	
·		
		Hydrophylic j
		Vegetation Present? Yes No
	= Total Cover	
marks: (include photo numbers here or on a separate :	sheet.)	
	Section 200	
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US Army Corps of Engineers

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PIDILIA UAS	conption: (Describe	to the depth	needed to docur	ment the indicato	r or confir	m the absence of	Sampling Indicators 1	and the second
Depth	Matrix		Redo	x Features		[and the second	÷
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u> Type	Loc	Texture	Rema	erks
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					Concerned Competences	· .		
pe: C=Co	ncentration, C=Deple	tion, RM=Ren	fuced Matrix, MS=	Masked Sand Gr	ains.	² Location: PL	=Pore Lining, M=	Matrix,
dric Soli In						Indicators for	Problematic Hyd	ric Solis ³ ;
Histosol (Polyvalue Below :	Surface (S8) (LRI	R, 1	2 cm Muck	(A10) (LRR K, L,	MLRA 1498)
	pedon (A2)		MLRA 1498)	. 6	i	Coast Prair	e Redox (A16) (L	RRK.L.R
Black Hist	* 4		Thin Dark Surface	: (S9) (LRR R, MI	RA 149B)	5 cm Muck	Peal or Feat (S3) (LRR K. L. R)
	Sulfide (Ad) Lavers (AS)		Loamy Mucky Min		. L)	Dark Surfac	e (S7) (LRR K, L	, 制)
Cananico i								
Opplated I			Loamy Gleyed Ma			Polyvalue E	lelow Surface (SB) (LRR K, L) /
Depicted I	Below Dark Surface (A11)	Depleted Matrix (F	=3)		Polyvalue E	lelow Sùrlace (SB Aurlace (S9) (LRR) (LRR K, L) / K, L)
Thick Dark	Below Dark Surface (k Surface (A12)	A11)	Depleted Matrix (F Redox Dark Surfa	F3} ce (F5)		Polyvalue E Thin Dark S Iron-Manga	lelow Sùrlace (SB Auflace (S9) (LRR nese Masses (F1)) (LRR K, L) / K, L) 2) (LRR K, L, R
Thick Dark Sendy Mu	Below Dark Surface (k Surface (A12) cky Mineral (S1)	A11)	Depleted Matrix (F Redox Dark Surfa Depleted Dark Sur	F3) ce (F5) rface (F7)		Polyvalue # Thin Dark S Iron-Manga Fiedmont F	lelow Sùrface (S8 Auface (S9) (LRR nese Masses (F1) locoplain Soils (F1) (LRR K, L) / K, L) 2) (LRR K, L, R 19) (MLRA 149
Thick Dari Sendy Mu Sendy Gle	Below Dark Surface (k Surface (A12) cky Mineral (S1) cyed Matrix (S4)	A11)	Depleted Matrix (F Redox Dark Surfa	F3) ce (F5) rface (F7)		Polyvalue E Thin Dark S Iron-Manga Piedmont F Mesic Spod	lelow Sùrlace (S8) Aurface (S9) (LRR nese Masses (F1) locoplain Soils (F1 loc (TA6) (MLRA 1) (LRR K, L) / K, L) 2) (LRR K, L, R 19) (MLRA 149
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Project/Site: <u>Clove Wood</u>	City/County:	ORANGE Sampling Date: June
Applicant/Owner: <u>CPC</u>		State: <u>NY</u> Sampling Point:
Investigator(s): ROBERT TOR	Section, Township, F	Range:
Landform (hillslope, terrace, etc.):	Lope Local relie	ef (concave, convex, none):
Slope (%): Lat: 4-1-2-2-3	7.05 N Long: 74-10	- 16.15 W Datum: GOOGLE
Soil Map Unit Name: Swortwood		NWI classification: NOVE
Are climatic / hydrologic conditions on the site typical	for this time of year? Yes No.	
Are Vegetation, Soil, or Hydrology	significantly disturbed?	"Normal Circumstances" present2 Ves
Are Vegetation, Soil, or Hydrology		needed, explain any answers in Remarks.)
·		
SUMMART OF FINDINGS - Attach site	nap snowing sampling point	locations, transects, important features, e
Hydrophytic Vegetation Present? Yes	No is the Sample	d Area
Hydric Soll Present? Yes	No within a Wetia	ind? Yes No
Wetland Hydrology Present? Yes	No If yes, optional	Wetland Site ID:
Remarks: (Explain alternative procedures here or in	a separate report.)	
Surface water collection.	area within a ste	ep flope
forest without tat		
hydric'so. I chromas.	- Sians the	
	a gara diriyouro	
YDROLOGY		
Vetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: check Surface Water (A1)		Surface Soil Cracks (B6)
	Water-Stained Leaves (B9) Aquatic Fauna (B13)	Drainage Patterns (B10)
	Mari Deposits (B15)	Moss Trim Lines (B16) Dry-Season Water Table (C2)
	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
	Oxidized Rhizospheres on Living Roots	
	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
	Recent Iron Reduction in Tilled Soils (C	6) Geomorphic Position (D2) Shallow Aquitard (D3)
	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (BB)		FAC-Neutral Test (D5)
eld Observations:		
Inface Water Present? Yes No		
	Depth (inches):	×
cludes capillary fringe)		and Hydrology Present? Yes No
scribe Recorded Data (stream gauge, monitoring we		
marks:	11 1 4 1	- 2 1 1 1
	Traltal Arr	(losest system
Unall collect on a rea	LSULCICEN MIC	
500+ fact to dre west.		
marks: Unall collect on a rea 500+ feet to the west.		
500+ feet to dre west.		
500+ feet to dre west.		

1

Clovewood 2015

VEGETATION - Use scientific names of plants.		6 C		Sampling Point:
1RED MAPLE	Absolute <u>% Cover</u>	Species?		Number of Dominant Species
2				(A)
3. <u></u>	• • ******			Total Number of Dominant Species Across All Strata: (B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/E
6				
7				Prevalence Index worksheel: Total % Cover of: Multiply by:
		= Tolai Cov	er ·	OBL species x1=
<u>Sacling/Staub Stratum</u> (Plot size:) 1			GAZIN	FACW species x 2 = FAC species x 3 =
2 ARROW WOOD VIBURNUM	to and the second s		FACE PACE	FACU species x 4 =
3				UPL species x 5 =
4	-			Column Totals: (A) (B)
5				Prevalence Index = B/A =
5	Nilian I. Inggan In N		andre state state	Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
iero Stratum (Plot size:)	23	Total Cove	۲	3 - Prevalence Index is ≤3.0*
TOSSERS SERVE		C	SBL.	4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
SKONK CABBACIE		ű.	BL	Problematic Hydrophylic Vegetation ³ (Explain.)
				¹ Indicators of hydric soil and welliand hydrology must
				be present, unless disluibed or problematic.
				Definitions of Vegetation Strata:
		`		Tree — Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
				Sapling/shrub - Woody plants less than 3 in. DBH
				and greater than or equal to 3.26 ft (1 m) tall.
),				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tail.
** •••••••••••••••••••••••••••••••••••				Woody vines - All woody vines greater than 3.28 ft in
	= 1	olal Cover		height.
oody Vine Stratum (Flot size:)			ŀ	
	······	······		
				Hydrophylic Vegetation
n af fan men men en e	- -	otal Cover		Present? Yes No
marks: (Include photo numbers here or on a separate shee				
Forest wetland hab tet	-		ì	
;				

Closewood 2015

Depth				mut the indicator	r or confirm	the absence	of indicat	OFS.)	
inches)	Matrix Color (moist)	%		Features % Type		Texture		Remar	e e
							1	REITISI	<u>лэ</u>
				And the state of t		:			Annothe Bootster Proceeding
6	58K %	100	•	Transferrences - Englisherrences	• •				Mana and an
12	SYR SI		54R 5/4	5			•		
			ch ref.		-				
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	and the second secon								
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	·	Description of the second		Management .	huana anna anna anna anna anna anna anna				
	andration of the			Contractory Contractory 1					
iric Soli Ind	centration, D=Depte Scators:	tion, KM=Ren	luced Matrix, NIS=1	Masked Sand Gra	ins.	² Location: Indicators fo	PL=Pore I	ining, M=N	latrix,
Histosol (A	1)		Polyvalue Below S	urface (S8) (LRR	R. 1				c Sons"; ALRA 1498)
Histic Ecipe			MLRA 1498)			Coast Pr	airie Redo	x (A16) (LR	IR K, L, R)
Black Histic	C (A3)		Thin Dark Surface ((S9) (LRR R, ML	RA 149B)	5 cm Mu	cky Peat o	r Feat (S3)	(LRR K. L. F
Hudoonan C									
	Sulfide (A4)		Loamy Mucky Mine	eral (F1) (LRR K,	Ŋ.	Dark Sur	face (S7) (LRR K, L,	M)
Hydrogen S Stratified La Depleted Ba	Sulfide (Ad) ayers (A5) clow Dark Surface (_	Loamy Mucky Mine Loamy Gleyed Mati	rix (F2)	ц,	Polyvalu	e Below Si	rface (S8)	(LRR K, L)
Stratified La Depleted Ba Thick Dark	Sulfide (A4) ayers (A5) elow Dark Surface (Surface (A12)	(A11)	Loamy Mucky Mine Loamy Gleyed Math Depleted Matrix (F3 Redox Dark Surface	rix (F2) 3) # (F5)	ι ,	Polyvalue	e Below Sì k Surface (rface (S6) S9) (LRR I	(LRR K, L) (, L)
Stratified La Depleted Ba Thick Dark Sandy Muci	Sulfide (Ad) ayers (A5) elow Dark Surface (Surface (A12) ky Mineral (S1)	(A11)	Loamy Mucky Mine Loamy Gleyed Matri Depleted Matrix (F9 Redox Dark Surfact Depleted Dark Surfi	dx (F2) 3) e (F5) /ace (F7)	r)	Polyvalue Thin Dark Iron-Man Piedmont	e Below Si k Surface (ganese Ma t Flocoplain	irlace (S6) S9) (LRR Isses (F12) In Soils (F15)	(LRR K, L) (, L)) (LRR K, L,))) (MLRA 14)
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WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region
Project/Site: <u>Clovewood</u> City/County: <u>Orange Co.</u> Sampling Date: <u>June 20</u>
Applicant/Owner:
Investigator(s): Robert Lorgerson Section, Township, Range:
Landform (hillslope, terrace, etc.):H.IIslopeLocal relief (concave, convex, none):
20 41-22-30 20 1 7110 00 27 57 1
Soil Map Unit Name: Succentulowed NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? 🏏 Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? 7. (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Sampled Area Hydric Soil Present? Yes No within a Wetland? Yes No Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Ground water outlet adjacent to stream, foresthabitat
HYDROLOGY
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)
Surface Water (A1) Water-Stained Leaves (B9) // Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)
Saturation (A3) Mari Deposits (B15) / K_r_ Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)
Field Observations:
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Ground water outlet directly adjacent to a seasonal streambed, jurisdictional system

Clouchood 2015

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(A2) e (A4) (A5)	-	MLR Thin Da Loamy Loamy	A 1498) ark Surfac Mucky Mi	e (S9) (LR) neral (F1) (alrix (F2)	R R, MLF	RA 149B)	2 ci Co: 5 ci Dar Pot	n Muck (A1 Ist Praine F In Mucky Pa In Mucky Pa K Surface (1 Avalue Belo	0) (LRR K, ledox (A16) sal or Feat (S7) (LRR K	L, MLRA (LRR K, L S3) (LRR , L, M) S8) (LRR I	149B) ., R) K, L, R
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ice (A12) neral (S1) latrix (S4) S6) S6) (LRR R, ML hylic vegetation		Redox Deplete Redox	Dark Surfi d Dark SL Depressio	nce (F5) Inface (F7) ns (F8)	uniess d	isturbed c	from Fied Red Very Qthi r problems	-Manganes imont Floor ic Spedic (Parent Ma y Shallow D er (Explain i llic.	e Masses (f Iplain Soils TA6) (MLRA terial (F21) ark Sufface in Remarks)	⁷ 12) (LRR (F19) (MLI (144A, 14 (TF12)	RA 141 5, 149
	ation. <u>D=Deple</u> ors: (A2) e (A4) (A5)	ation, D=Depletion, RM= prs: (A2) (A2) (A5)	alion. D=Depletion. R M=Reduced ivors:	alion. D=Depletion, R M=Reduced Matrix, MS ors:	Polyvalue Below Surface (S (A2) MLRA 149B)	alion. D=Depletion, RM=Reduced Matrix, MS=Masked Sand Gra prs: Polyvalue Below Surface (S8) (LRR (A2) MLRA 1498) (A2) MLRA 1498) (A4) Loamy Mucky Mineral (F1) (LRR K, (A5) Loamy Gleyed Matrix (F2)	ation. D=Depletion. RM=Reduced Matrix. MS=Masked Sand Grains. Polyvalue Below Surface (S8) (LRR R, (A2) MLRA 149B) (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B) (A4) Loarny Mucky Mineral (F1) (LRR K, L) (A5) Loarny Gleyed Matrix (F2)	alion, D=Depletion, RM=Refluced Matrix, MS=Masked Sand Grains Polyvalue Below Surface (S8) (LRR R,	alion, D=Depletion, R M=Reduced Matrix, MS=Masked Sand Grains Location: PL=Pe ors: Indicators for Pro milcators for Pro Indicators for Pro (A2) MLRA 149B) Cosst Prainte F Thin Dark Surface (S9) (LRR R, MLRA 149B) S cm Mucky PR e (A4) Loamy Mucky Mineral (F1) (LRR K, L) D Bark Surface (control = Polyvalue Below)	alion. D=Depletion. R M=Reduced Matrix. MS=Masked Sand Grains I.ocation: PL=Pore Lining. N alion. D=Depletion. R M=Reduced Matrix. MS=Masked Sand Grains I.ocation: PL=Pore Lining. N alion. D=Depletion. R M=Reduced Matrix. MS=Masked Sand Grains I.ocation: PL=Pore Lining. N alion. D=Depletion. R M=Reduced Matrix. MS=Masked Sand Grains I.ocation: PL=Pore Lining. N alion. D=Depletion. R M=Reduced Matrix. MS=Masked Sand Grains I.ocation: PL=Pore Lining. N indicators for Problematic Hy	alion. D=Depletion. R M=Reduced Matrix. MS=Masked Sand Grains. 1.ocation: PL=Pore Lining. M=Matrix. alion. D=Depletion. R M=Reduced Matrix. MS=Masked Sand Grains. 1.ocation: PL=Pore Lining. M=Matrix. prs: Indicators for Problematic Hydric Solie (A2) MLRA 149B)

Clovewood 2015

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Image: A constraint of the second	DED MADIE			
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Percent of Dominant Species (A That Are OBL. FAX.W. or FAC. (A Prevalence Index worksheet: (Construction) SD Id. 15 Cover of Multiply by: Column Totals: (A) (B) (B) SD Id. 15 Cover (A) (Column Totals: (A) (B) (B) (Column Totals: (A) (Column Totals: (A) (B) (B) (Column Totals: (A) (B) (B) (Column Totals: (Column Totals: (Colum Totals: (Cover <td>เหตุการระจากการกรุกาศ การกรุงภาพรายการการสายอาการกรุกายยุรุการกรุการกรุการกรุงราย (1960) การกรุการกรุงการกรุการก</td> <td></td> <td></td> <td>Species Across All Strata: (B</td>	เหตุการระจากการกรุกาศ การกรุงภาพรายการการสายอาการกรุกา ยยุรุการกรุการกรุการกรุงราย (1960) การกรุการกรุง การกรุการก			Species Across All Strata: (B
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data in Remarks or on a separate sheet)			PLUS	4 - Morphological Adaptations' (Provide supportion
'indicators of hydric soil and welland hydrology must be present, unless disturbed or problematic.	JENSINYE FERN		FACIN	data in Remarks or on a separate sheet)
indicates of				Problematic Hydrophylic Vegetation' (Explain)
indicates of	t			1
				be present, unless dislurbed or problematic.
Trae – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/strub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (* m) tall. Merb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft in height. mathematical struture		and manufacture of the		
at breast height (DBH), regardless of height. sapiling/strub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Merb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.20 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. where Stratum (Plot size:)				A set have a set on a set of a
Sapling/strub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (* m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.20 ft tall.	/ .	`	•	
image: discrete them or equal to 3.28 ft (1 m) tail. imag				
Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody wines - All woody vines greater than 3.28 ft in height. Hydrophytic Yegetation			•	
<pre>cold size, and woody plants less than 3.28 ft tail.</pre>				
Woody vines - All woody vines greater than 3.28 ft in height.				Herb - All herbaccous (non-woody) plants, regardless
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= Total Cover				Woody vines - All woody vines greater than 3.28 ft in
Hydrophylic Vegetation Present? Yes No		=1	Iolal Cover	Troigat.
= Total Cover Ves No	dv Vine Stratum: (Plot size:)		학생님 이상의 성	
= Total Cover Ves No	·			
= Total Cover Vegetation Present? Yes No				
= Total Cover Vegetation Present? Yes No	,			Abreton budto
= Total Cover Present? Yes No				
				Present? Yes No
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	and Anona huntanana sete a ana sebarate	a: 16 (4.,)		
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WETLAND DETER	MINATION DATA FORM -	Northcentral and Northeast Regio	n,
Project/Site: Clovewcod	City/County:	ARANGE Sampling	Date: MAY 2014
Applicant/Owner: CDC			npling Point:
Investigator(s): ROBERT TOR	31 8 5 . 5 1	nship, Rangé: out	
Landform (hillslope, terrace, etc.):		cal relief (concave, convex, none):	
Slope (%): Lat: 4(-22-2	4	· · · · · · · · · · · · · · · · · · ·	Coogle
Soil Map Unit Name:Ado-			
Are climatic / hydrologic conditions on the site typ	ical for this time of year? Year	NWI classification:	
Are Vegetation, Soil, or Hydrology		No (If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology			
SUMMARY OF FINDINGS - Attach sit	te map showing sampling	point locations, transects, importa	nt features, etc.
Hydrophytic Vegetation Present? Yes	No is the S	Sampled Area	
Hydric Soil Present? Yes	No within	a Wetland? Yes No	
Wetland Hydrology Present? Yes	No lf yes, o	ptional Wetland Site ID:	
Remarks: (Explain alternative procedures here o	or in a separate report.)		
mapped hydrie Scils			
FACIN Plait Comments	×	•	
			· · ·
HYDROLOGY	· · · · · · · · · · · · · · · · · · ·	e	
Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; ch	neck all that anniv)	Secondary Indicators (minimum Surface Soil Cracks (B6)	n of two required)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)	1
🔀 Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)	
Sediment Deposits (B2) Drift Deposits (B3)	Oxidized Rhizospheres on Livin Presence of Reduced Iron (C4)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled		
Iron Deposits (B5)	_ Thin Muck Surface (C7)	Shallow Aquitard (D3)	•
Inundation Visible on Aerial Imagery (B7)	_ Other (Explain in Remarks)	Microtopographic Relief (D	4)
Sparsely Vegetated Concave Surface (B8) Field Observations:		FAC-Neutral Test (D5)	
Surface Water Present? Yes No	Depth (inches):		
	Depth (inches): 12-		1
Saturation Present? Yes No	Depth (inches):	Wetland Hydrology Present? Yes	No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous inspe	ctions), if available:	
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Remarks:			i
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VEGETATION - Use scientific names of plants,

	6 1 6 3,	Sampling Point:
Tree Stratum (Plot size:)	Absolute Dominant Indicator <u>% Cover Species?</u> Status	Dominance Test worksheet:
200 110 3	FA-C	Number of Dominant Species
2 WHITE DAK	TATLE TATLE	That Are OBL, FACW, or FAC: (A)
3. PIN OAK		Total Number of Dominant
1. <u>- FIII Cross</u>	17-6121	Species Across All Strate: (B)
4.		Percent of Dominant Species
5		That Are OBL, FACW, or FAC: (A/B)
6		Prevalence Index worksheet:
7		Totel % Cover of Multiply by:
	= Tolai Cover	OBL species x1=
Sacling/Strub Stratum (Plot size:		FACW species x 2 =
1. SPICE BUSH	EACL -	FAC species x 3 =
2 HIGHBUSH BLUEBERRS	FACW-	FACU species x 4 =
		UPL species x 5 =
		Column Totals: (A) (B)
4		
5	ากการการ การการการการการการการการการการการการการก	Prevalence Index = B/A =
· 6,	and a second sec	Hydrophytic Vegetation Indicators:
7 <u> </u>		1 - Rapid Test for Hydrophytic Vegetation
		2 - Dominance Test is >50%
Herb Stratum (Plot size:)	and the second s	3 - Prevalence Index is ≤3.0"
1. SKUNK CABBALE	a21	4 - Morphological Adaptations' (Provide supporting
antioocareaecooperation internetical antionalization of the second second second second		data in Remarks or on a separate sheet)
2		Problematic Hydrophylic Vegetation ² (Explain)
3		Indicators of hydric soil and welland hydrology must
4		be present, unless disturbed or problematic.
5.		Definitions of Vegetation Strata:
б		
		Tree — Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
0		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
[1,]		terb — All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall,
12.		
		Voody vines - All woody vines greater than 3.28 ft in eicht.
	= Tolal Cover	
Moonty Vine Stratum (Flot size:)		
•		
·		ydrophylic
•		egetation
· .	= Total Cover	resant? Yes No
emarks: (Include photo numbers here or on a separate	sheet.)	
FOREST W Habit		
	17 T	
i		

US Army Corps of Engineers

Clove wood R

Profile Desci		and an ball when	abtu useden to		leator or confir	m the absenc	a of Indic	ators.)	
Depth (inches)	Color (moist)	%	States on at	Redox Features			(,	• •
(1)(1105)			<u>Color (mol</u>	<u>st) % 1</u>	Type' Los ²	Texture		Rema	rks
	/1				ancourse announces.				
6	(OYR)	90	10-11						
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	contration DuDate								
ric Soli Ind	centration, C=Depte floators:	non, KAP	exenuced Matrix	, NS=Masked San	d Grains.	"Location: Indicators	PL=Pon	e Lining, M=I emaile Hydr	Vatrix. In Solis ^{3,}
Histosol (A	b	; ·		lelow Surface (S8)	LRR R.	2 cm M	uch (A10)	LRR K, L,	MLRA 1498)
Histic Ecipe Black Histic			MLRA 14			Coast F	Tairie Re	dox (A16) (L	RR K. L. RI
Hydrogen S	* 4		Ener Lank G	unace (S9) (LRR I	K, MLKA 145B)	5 cm M	ucky Peal	t or Feat (S3	LRRK, L, R
			Loamy Muc	KV MIREPALTE 1171.		Dark Sa			
Stratified La	ayers (A5)		Loamy Gley	ky Mineral (F1) (LF ed Matrix (F2)	(R K, L)	Dark St Polyvali	inace (Sr ie Below) (LRR K, L, Sùrlace (S6)	(LRR K. L)
Stratified La Depleted Ba	ayers (A5) clow Dark Surface	(A11)	Loamy Gley	ed Matrix (F2) Mrix (F3)	(K K, L)	Polyvali	ie Below nk Surfac	Sùrlace (S6) e (S9) (LRR	(LRR K, L) K, L)
Stratified La Depleted B Thick Dark	ayers (A5) clow Dark Surface Surface (A12)	(A11)	Loamy Gley Depleted M Redox Dark	ed Matrix (F2) Mrix (F3) Surface (F5)	(K K, L)	Polyvali Thin De Iron-Ma	ie Below nk Surface nganese	Sùrface (S6) e (S9) (LRR Masses (F12	(LRR K, L) K, L)) (LRR K, L, F
Stratified La Depleted Ba Thick Dark Sandy Muci	ayers (A5) clow Dark Surface	(A11)	Loamy Gley Depleted Ma Redox Dark Depleted De	ed Matrix (F2) Mrix (F3)	(K K, L)	Polyvali Thin Da Iron-Ma Piedmo	ite Below nk Surface nganese nt Flocop	Sùrlace (S6) e (S9) (LRR Masses (F12 Iain Solls (F1	(LRR K, L) K, L)) (LRR K, L, F 9) (MLRA 149
Stratified La Depleted Ba Thick Dark Sandy Muci Sandy Gley Sandy Redd	ayers (A5) elow Dark Surface Surface (A12) ky Mineral (S1) ed Matrix (S4) ox (S5)	(A11)	Loamy Gley Depleted Ma Redox Dark Depleted De	ed Matrix (F2) Mrix (F3) Surface (F5) rik Surface (F7)	(K K, L)	Polyvali Thin De Iron-Ma Fiedmon Messic S	ie Below nk Surface nganese nt Flocop podic (TA	Sùrlace (S6) e (S9) (LRR Masses (F12 Iain Soils (F1 6) (MLRA 14	(LRR K, L) K, L)) (LRR K, L, F
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WETLAND DETERMINATION DATA FORM - Northcen	
Project/Site: <u>Clovewood</u> City/County: <u>Oran</u>	rge CO Sampling Date: Line ZC
Applicant/Owner: CPC	State: <u>NY</u> Sampling Point: <u>S</u>
Robert Topperien Service Township Bone	e:
andform (hillslope, terrace, etc.): h.ttelope Local relief (co	oncave, convex, none): <u>Concuse</u>
lope (%): Lat: Long:	Datum: Coocus
oil Map Unit Name: A \CAEXY	
re Climatic / hydrologic conditions on the site typical of this time of year / rea to re Vegetation, Soil, or Hydrology significantly disturbed? Are "No	nmal Circumstances" present? Yes No
e Vegetation, Soll, or Hydrology significantly disturbed y the rice in the sector of the sector and the sect	ed evaluin any answers in Remarks.)
re Vegetation, Soil, or Hydrology naturally problematic? (If need	
UMMARY OF FINDINGS - Attach site map showing sampling point loc	ations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes No Is the Sampled Ar Hydric Soil Present? Yes No within a Wetland? Wetland Hydrology Present? Yes No if yes, optional Wetland? Remarks: (Explain alternative procedures here or in a separate report.) Is the Sampled Ar	tiand Site ID:
mapped hydric so. is area FACIU p	slast dominence
YDROLOGY	
Vetland 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)	Corainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Aari Deposits (B15) Mari Deposits (B15)	Dry-Season Water Table (C2) Crayfish Burrows (C8)
Aright Vision (A3) Mari Deposits (B15) Mari Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
High Valer Fable (12) Mari Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C Drift Deposits (B3) Presence of Reduced Iron (C4)	Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
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Clovewood 2015

OIL							the sheres -	Sampling Point:
Profile Des	ription: (Describe	to the dept				or confirm	me absence o	rindicators.)
Depth (inches)	Matrix Color (moist)	<u>%</u>	Color (moist)	Features %	Туре	Loc	Texture	Remarks
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6	2.5 TR 3/2	100			-			
12	2.5YR 4	85	2.54744	15				
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	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	=Masked	Sand Gri	ins.	0.0000000000000000000000000000000000000	PL=Pore Lining, M=Matrix, or Problematic Hydric Soils ² ;
Black Hi Hydroge		(A11)	Polyvalue Below MLRA 1498) Thin Dark Surfac Loamy Mucky M Loamy Gleyed M Depleted Matrix	æ (59) (L ineral (F1 fatrix (F2)	RR R, MI) (LRR K	RA 1498)	2 cm Mu Coast Pi 5 cm Mu Dark Su Polyvalu	ick (A10) (LRR K, L, MLRA 1498) rairie Redox (A16) (LRR K, L, R) ricky Peat or Peat (S3) (LRR K, L, R) rface (S7) (LRR K, L, M) re Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L)
Thick Di Sandy N Sandy G Sandy R Sinpped	ntk Surface (A12) fucky Mineral (S1) fleyed Matrix (S4) lecox (S5) Matrix (S6) rface (S7) (LRR R, M		Redox Dark Sun Depleted Dark S Redox Depression	ace (FS) urlace (Fi			Piedmor Mesic S Red Par Very Sh	nganese Masses (F12) (LRR K, L, R) ht Floodplain Soits (F19) (MLRA 1498) podic (TA6) (MLRA 144A, 145, 1498) ent Material (F21) allow Dark Surface (TF12) hxplain in Remarks)
Indicators c	i hydrophylic vegetat	icn and wel	land hydrology musi	be prese	nt, uniess	disturbed	or problematic.	5
	Layer (if observed):	u/						
Depth (in	ches): 17	と					Hydric Soll P	resent? Yes <u>No</u>
Remarks:		Simo	allarea	2 0	h	, di	Se S.	oils along
		la	rges "	La	.)cc	Ĺ		
May	oped A	Ider	Sorl-	10	call	12,1	ratione	Illy recognized
	riz 50.1							

Northcentral and Northeast Region - Version 2.0

5

Clovewood 2015

	Absolute	Dominan	indicator	The submers of the standard sector
RED MAPLE	% Cover	Species?	Status	Dominance Test worksheet: Number of Dominant Species
		<u></u>		That Are OBL, FACW, or FAC: (A)
	······································			Total Number of Dominant Species Across All Strata: (B)
				Percent of Dominant Species
5				That Are OBL. FACW, or FAC: (A/E
5				Prevalence Index worksheet: Total % Cover of: Multiply by:
ann chairte ann an muile cunta gul cha turbh ann ann ann an ann an ann ann ann ann		= Tolal Co	ver	OBL species x1=
Septing/Shrub Stratum (Plot size:)				FACW species x 2 =
SRICE BUSH		Salaran I was shown in the salar	FACU-	FAC species
HIGHBOSH BLUEBERRY		mançocommetanım	FACID	UPL species x5 =
\$				Column Totals: (A) (B)
				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
		-		1 - Rapid Test for Hydrophytic Vegetation
		= Total Co	/er	2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0*
ierb Stratum (Plot size:)			FACU	4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
JACKIN PULPIT		And the state of t	Anticontention and anticontention of	Problematic Hydrophylic Vegetation ¹ (Explain)
				/
·				¹ Indicators of hydric soil and welland hydrology must be present, unless disturbed or problematic.
	<u></u>		-	Definitions of Vegetation Strata:
		i	-	Tree – Woody plants 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height.
				Sapling/shrub - Woody plants less than 3 in. DBH
	<u> </u>			and greater than or equal to 3.26 ft (1 m) tall.
0		•		Herb - All herbaccous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
1.				Woody wines - All woody vines greater than 3.28 ft in
2		Total Cm	ëf	height.
Voorly Vine Stratum (Flot size:)				
				p
•				Hydrophylic Vegetation
		Total Cov		Present? Yes No
emarks: (include photo numbers here or on a separate			**	
Forest habitit	•			
FOIESI NULDIFUL				

US Army Corps of Engineers

WETLAND DETERMINATION DATA FO	RM – Northcentral and Northeast Region $7.10 - 15$
Project/Site City/C	county: Crande Sampling Date: 7-10-15
Applicant/Owner: CaDC	State: State: Sampling Point:
Invest jator(s): BOBERT 6. TORGEREN Section	on, Township, Range:
Lang rm (hillstone terrace etc.): 1-11456073 Local reli	ief (concave, convex, none): Slope (%):
Sul gion (LRR or MLRA): Lat: Lat: Lat:	37 N Long: 74-10-25.31 W Datum:
s Vap Unit Name: Marchin	NWI classification: none
climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
e Vegetation, Soil, or Hydrology significantly distur	bed? - Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	atic?
SUMMARY OF FINDINGS – Attach site map showing sam	
SUMMART OF FINDINGS - Attach site map showing sum	
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) TUN all field area adjacent	to seu senal staam
Ton off for calle and	
HYDROLOGY	Control to the first of the second second
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leave W High Water Table (A2) Aquatic Fauna (B13)	
High Water Table (A2) Aquatic Fauna (B13) Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Od	
	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	
Algal Mat or Crust (B4) Recent Iron Reduction	
Iron Deposits (B5) Thin Muck Surface (Inundation Visible on Aerial Imagery (B7) Other (Explain in Rel	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Reg Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
a f Mille Descenta Vac No Dopth (inches)	
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches):	15
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks: /	5
Small area at base of 5	lope, 15 acre watershed
small area at base of s all ons te, Moodnae River W coments to unnamed tribut Sat	etershed, Hudsen Rus Basn RECEIVED BY REGULATORY
Der Der Die Grinden and Greek	JUL 1 3 2016
	NY DIST. CORPS OF ENGINEERS

Cloucies

VEGETATION - Use scientific names of plants. Sampling Point: _ Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status 1. BED FLAPLE Number of Dominant Species FAC That Are OBL, FACW, or FAC: _ (A) 2. Total Number of Dominant 3._____ Species Across All Strata: (B) 4. Percent of Dominant Species (A/B) That Are OBL. FACW, or FAC: 5. 6 Prevalence Index worksheet: 7. Total % Cover of Multiply by: = Totai Cover OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ Sapling/Shrub Stratum (Plot size: _) 1. SPICE POSH FAC species _____ x 3 = _____ FAU Rese FACU species _____ x 4 = ___ 2. MULTIFLORIS UPL species _____ x 5 = ____ 3 Column Totals: ____(A) ______(B) 4. Prevalence Index = B/A = ____ 5._____ Hydrophytic Vegetation Indicators: 6. K1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% = Total Cover 3 - Prevalence Index is ≤3.0 Herb Stratum (Plot size 4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) 1. BEED CANARY GRASS FACH FACI 2 SENSITIVE FERN Problematic Hydrophylic Vegetation (Explain) Indicators of hydric soil and welland 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. 8._____ Sapling/shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.26 ft (1 m) tall. 9 10.____ Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. 11._____ Woody vines - All woody vines greater than 3.28 ft in 12. heicht. = Total Cover Woody Vine Stratum (Plot size: _____) 1. 2._____ _____ Hydrophylic Vegetation Yes No Present? = Total Cover Remarks: (Include photo numbers here or on a separate sheet.) Forest Habitet RECEIVED BY REGULATORY JUL 1 3 2016 NY DIST. CORPS OF ENGINEERS

US Army Corps of Engineers

SOIL Sampling Point Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix **Redox Features** % Type Los Texture Color (moist) Remarks (inches) Color (moist) 0,6 IOYK 100 12000 10YR4 100 OUSE WYR 95 JOYR ar:t clu ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains ²Location: PL=Pore Lining, M=Matrix, Indicators for Problematic Hydric Solis⁹: Hydric Soll Indicators: ____ 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histosol (A1) ____ Polyvalue Below Surface (S8) (LRR R, Coast Prairie Redox (A16) (LRR K, L, R) Histic Ecipedon (A2) MLRA 1498) 5 cm Mucky Peat or Feat (S3) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Pledmont Floodplain Soils (F19) (MLRA 1498) Mesic Spodic (TAG) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Red Parent Material (F21) Sandy Redox (S5) Very Shallow Dark Surface (TF12) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Indicators of hydrophylic vegetation and welland hydrology must be present, unless disturbed or problematic Restrictive Layer (If observed): Type:_ Hydric Soll Present? Yes No Depth (inches): Remarks landin mappedt Small area of hydric dromas at the base of a steephill RECEIVED BY REGULATORY JUL 1 3 2016 NY DIST. CORPS OF ENGINEERS

louewou

Attachment 6 NYS DEC Correspondence From: "Gaugler, Doug G (DEC)" <<u>doug.gaugler@dec.ny.gov</u>> Date: August 31, 2015 at 12:28:41 PM EDT To: "<u>gelb.simon@gmail.com</u>" <<u>gelb.simon@gmail.com</u>> Cc: "Petronella, John W (DEC)" <<u>john.petronella@dec.ny.gov</u>> Subject: Clovewood

Simon,

This is to acknowledge receipt of the following documents at our site meeting last week -"Timber Rattlesnake Survey & Habitat Assessment", prepared by NCES, dated 8/18/15 -"Phase I Environmental Site Assessment", by Tenen Environmental, dated 12/2014 -"Remedial Action Work Plan—Clovewood", by Tenen Environmental, dated 8/23/2015

-"Lands of Clovewood—Sketch Subdivision Plan", by Kirk Rother, last revision date 8/19/2015

A review of the last of these documents shows that the layout of the subdivision has been modified to avoid wetland or wetland buffer impacts. Theoretically, this would means that no permitting is needed from DEC for wetlands disturbance in connection with this project. However, a detail of more detailed plans (such as the grading plan) will be needed to determine any wetlands/buffer disturbance permit jurisdiction.

Sincerely,

Douglas Gaugler Biologist 1 – Bureau of Habitat NYSDEC 21 South Putt Corners Road New Paltz, NY 12561 <u>845-256-3057</u> <u>doug.gaugler@dec.ny.gov</u>



Draft Environmental Impact Statement

Updated JD and Freshwater Wetland Map



P.O. Box 2020, Monroe New York 10949 Tel: (845) 774 · 8000 | cpcnynj@gmail.com



DEPARTMENT OF THE ARMY NEW YORK DISTRICT, CORPS OF ENGINEERS JACOB K. JAVITS FEDERAL BUILDING 26 FEDERAL PLAZA NEW YORK, NEW YORK 10278-0090

JUL 2 5 2018

Regulatory Branch

SUBJECT: Permit Application Number NAN-2015-01293-WOR by CPC

Robert G. Torgersen Landscape Architecture and Environmental Sciences Three Main Drive Nanuet, New York 10954

Dear Mr. Torgersen:

On August 5, 2015, the New York District of the U.S. Army Corps of Engineers received a request for a Department of the Army jurisdictional determination for the above referenced project. The site consists of approximately 708.17 acres, in the Hudson River watershed, located on Clovewood Road in the Village of South Blooming Grove, Orange County, New York.

In the letter received on August 5, 2015, your office submitted a proposed delineation of the extent of waters of the United States within the subject property. A site inspection was conducted by a representative of this office on October 7, 2015, in which it was agreed that changes would be made to the delineation and that the modified delineation would be submitted to this office. In a letter dated June 7, 2017, copy enclosed, this office issued an approved jurisdictional determination letter.

In a letter received on June 6, 2018, you notified this office that the drawing referenced in the jurisdictional determination letter dated June 7, 2017, had misidentified the acres of Wetland 1. You enclosed a new drawing that corrected the error and requested that this office issue a new jurisdictional determination letter.

Based on the material submitted and the observations of the representative of this office during the site visit, this site has been determined to contain jurisdictional waters of the United States based on: the presence of wetlands determined by the occurrence of hydrophytic vegetation, hydric soils and wetland hydrology according to criteria established in the 1987 "Corps of Engineers Wetlands Delineation Manual," Technical Report Y-87-1 that are either adjacent to or part of a tributary system; the presence of a defined water body (e.g. stream channel, lake, pond, river, etc.) which is part of a tributary system; and the fact that the location includes property below the ordinary high water mark, high tide line or mean high water mark of a water body as determined by known gage data or by the presence of physical markings including, but not limited to, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter or debris or other characteristics of the surrounding area.

These jurisdictional waters of the United States are shown on the drawing entitled "Lands of Clovewood Village of South Blooming Grove, Orange County, New York – Freshwater Wetland Map", prepared by Kirk Rother, P.E., dated March 2, 2015, and last revised May 25, 2018. This drawing indicates that there are sixteen (16) principal waters and sixteen (16) streams on the project site which are part of a tributary system, and are considered to be waters of the United States.

The first water (Wetland 1), which includes Pond 2, is located throughout the northern portion of the property and is approximately 23.03 acres within the subject property. The second and third waters (Wetlands E and M) are located just north of the western portion of Wetland 1, next to Clovewood Road, and are a total of approximately 0.57 acres within the subject property. The fourth water (Wetland F) is located near the western property line, approximately 2,200 feet south of Wetland M, and is approximately 0.71 acres. The fifth water (Wetland G) is located approximately 900 feet northeast of Wetland F and is approximately 0.42 acres.

The sixth, seventh, eighth, ninth and tenth waters (Wetlands H, I, J and K and Pond 1), are located on the north-central portion of the property and are a total of approximately 1.42 acres. The eleventh water (Wetland N) is located along the eastern property, approximately 600 feet east of Wetland 1, and is approximately 0.13 acres within the subject property. The twelfth water (Wetland O) is located approximately 1,800 feet south of Wetland N and is approximately 2.83 acres.

The thirteenth water (Wetland Q) is located near the center of the property, approximately 1,500 feet southeast of Wetland G and is approximately 0.37 acres. The fourteenth and fifteenth waters (Wetlands R and S) are located on the southern portion of the property, approximately 1,000 feet south of Wetland Q, and are a total of approximately 4.69 acres. The sixteenth water (Wetland T) is located in the northwestern corner of the property and is approximately 0.81 acres within the subject property.

The sixteen streams (Streams 1, 1A, 1AA, 1B, 1BB, 1C, 1CC, 2, 3, 4, 5, 6, 7, 7A, 8 and 9) are located throughout the property and are a total of approximately 22,640 feet in length and 2.12 acres in size.

It should be noted that, in light of the U.S. Supreme Court decision (Solid Waste Agency of Northern Cook County v. U.S. Army Corps of Engineers, No. 99-1178, January 9, 2001), the remainder of the wetlands shown on the above referenced drawing (Wetland P) do not meet the current criteria of waters of the United States under Section 404 of the Clean Water Act. The Court ruled that isolated, intrastate waters can no longer be considered waters of the United States, based solely upon their use by migratory birds.

This determination regarding the delineation shall be considered valid for a period of five years from the date of this letter unless new information warrants revision of the determination before the expiration date.

This determination supersedes the jurisdictional determination letter issued by this office on June 7, 2017, as discussed above.

This determination was documented using the Approved Jurisdictional Determination Form, promulgated by the Corps of Engineers in June 2007. A copy of that document is enclosed with this letter, and will be posted on the New York District website at:

http://www.nan.usace.army.mil/Missions/Regulatory/JurisdictionalDeterminations/Recenture tJurisdictionalDeterminations.aspx

This delineation/determination has been conducted to identify the limits of the Corps Clean Water Act jurisdiction for the particular site identified in this request. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed is a combined Notification of Appeal Process (NAP) and Request For Appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the North Atlantic Division Office at the following address:

James W. Haggerty, Regulatory Program Manager, CENAD-PD-OR North Atlantic Division, U.S. Army Engineer Division Fort Hamilton Military Community General Lee Avenue, Building 301 Brooklyn, New York 11252-6700

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR Park 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by <u>SEP 2 3 2018</u>. It is not necessary to submit an RFA form to the Division Office if you do not object to the determination in this letter.

This delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985, as amended. If you or your tenant are USDA program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service prior to starting work.

It is strongly recommended that the development of the site be carried out in such a manner as to avoid as much as possible the discharge of dredged or fill material into the delineated waters of the United States. If the activities proposed for the site involve such discharges, authorization from this office may be necessary prior to the initiation of the proposed work. The extent of such discharge of fill will determine the level of authorization that would be required.

In order for us to better serve you, please complete our Customer Service Survey located at <u>http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx</u>.

If any questions should arise concerning this matter, please contact Brian A. Orzel, of my staff, at (917) 790-8413.

Sincerely,

Rosifa M

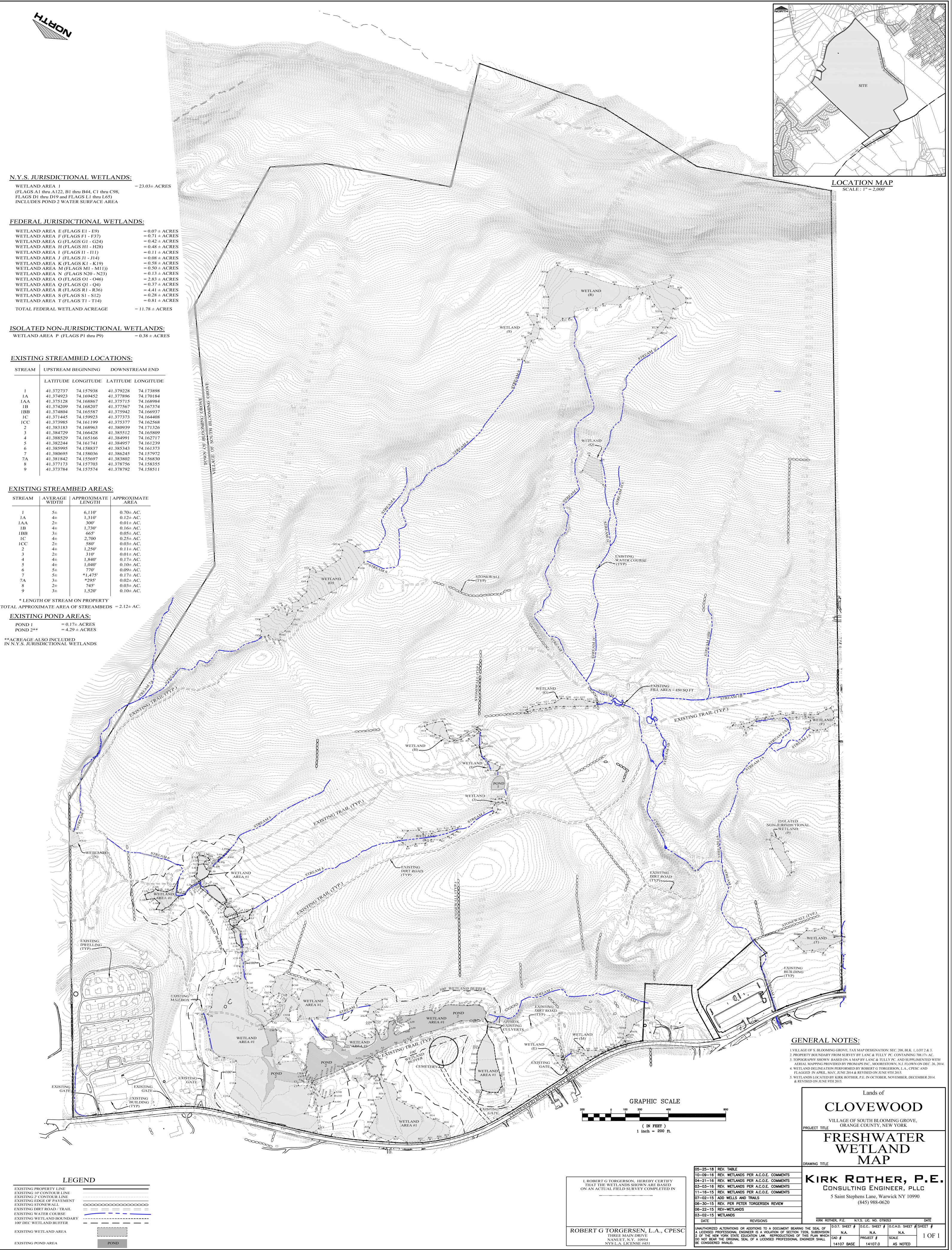
Chief, Western Section

Enclosures



WETLAND AREA 1

WETLAND AREA E (FLAGS	S E1 - E9)	$= 0.07 \pm ACRES$
WETLAND AREA F (FLAGS	S F1 - F37)	$= 0.71 \pm ACRES$
WETLAND AREA G (FLAG	S G1 - G24)	$= 0.42 \pm ACRES$
WETLAND AREA H (FLAG	S H1 - H28)	$= 0.48 \pm ACRES$
WETLAND AREA I (FLAGS	S I1 - I11)	$= 0.11 \pm ACRES$
WETLAND AREA J (FLAGS	S J1 - J14)	$= 0.08 \pm ACRES$
WETLAND AREA K (FLAG	S K1 - K19)	$= 0.58 \pm ACRES$
WETLAND AREA M (FLAG	S M1 - M11))	$= 0.50 \pm ACRES$
WETLAND AREA N (FLAG	S N20 - N23)	$= 0.13 \pm ACRES$
WETLAND AREA O (FLAG	S O1 - O46)	$= 2.83 \pm ACRES$
WETLAND AREA Q (FLAG	S Q1 - Q4)	$= 0.37 \pm ACRES$
WETLAND AREA R (FLAGS	S R1 - R36)	$= 4.41 \pm ACRES$
WETLAND AREA S (FLAGS	S S1 - S12)	$= 0.28 \pm ACRES$
WETLAND AREA T (FLAGS	S T1 - T14)	$= 0.81 \pm ACRES$
TOTAL FEDERAL WETLAN	D ACREAGE =	= 11.78 ± ACRES
	CDICTIONAL WE	TI ANIDO.
ISOLATED NON-JURI	SDICTIONAL WEI	LANDS:
WETLAND AREA P (FLAGS	P1 thru P9) =	$= 0.38 \pm ACRES$



STREAM	UPSTREAM	BEGINNING	DOWNST	REAM END
	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE
1	41.372737	74.157938	41.379228	74.173898
1A	41.374923	74.169452	41.377896	74.170184
1AA	41.375128	74.168867	41.375715	74.168984
1B	41.374209	74.168207	41.377567	74.167374
1BB	41.374804	74.165587	41.375942	74.166937
1C	41.371445	74.159923	41.377373	74.164408
1CC	41.373985	74.161199	41.375377	74.162568
2	41.383183	74.168963	41.380939	74.171326
3	41.384729	74.166428	41.385512	74.165809
4	41.388529	74.165166	41.384991	74.162717
5	41.382244	74.161741	41.384957	74.161239
6	41.385995	74.158837	41.385343	74.161373
7	41.380695	74.158036	41.386245	74.157972
7A	41.381842	74.155697	41.383802	74.156830
8	41.377173	74.157703	41.378756	74.158355
9	41.373784	74.157574	41.378792	74.158511

STREAM	AVERAGE WIDTH	APPROXIMATE LENGTH	APPROXIMATE AREA
1	C 1	6 1 1 0	
1	$5\pm$	6,110'	$0.70\pm AC.$
1A	$4\pm$	1,310'	$0.12 \pm AC.$
1AA	2±	300'	$0.01\pm AC.$
1B	4±	1,730'	$0.16\pm AC.$
1BB	3±	665'	$0.05\pm$ AC.
1C	4±	2,700	$0.25\pm$ AC.
1CC	2±	580'	$0.03\pm$ AC.
2	4±	1,250'	$0.11 \pm AC.$
3	2±	310'	$0.01\pm AC.$
4	4±	1,840'	0.17± AC.
5	4±	1,040'	$0.10 \pm AC.$
6	$5\pm$	770'	$0.09\pm$ AC.
7	$5\pm$	*1,475'	0.17± AC.
7A	3±	*295'	$0.02\pm AC.$
8	2±	745'	$0.03\pm AC.$
9	3±	1,520'	0.10± AC.
* LENGT	' H OF STREAN	M ON PROPERTY	I
TOTAL APPROX	MATE AREA	OF STREAMBED	$S = 2.12 \pm AC.$
EXISTING	G POND A	REAS:	
		17± ACRES	
POND 1			
POND 2**	= 4.	$29 \pm ACRES$	