7/16/10

WERAND EXTENSION

IC73373-553

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Applicant/Owner
Investigator(s): Landform (hillslope, terrace, etc.) Landform (hillslope, terrace, etc.) Lat: Long: Datur: Soil Map Unit Name: Are climate / hydrologic conditions on the site typical for this time of year? Yes Are Vegetation / Soil / or Hydrology / significantly disturbed? Are Vegetation / Soil / or Hydrology / naturally problematic? SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No
Local relief (concave, convex, none) Lat:
Local relief (concave, convex, none): Lat: Long: Datum:
Soli Map Unit Name: Soli Map Unit Name: NWI classification: No
Soil Map Unit Name:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes
Are Vegetation Soil Or Hydrology Inaturally problematic? Are Vegetation Soil Or Hydrology Inaturally problematic? Are Vegetation Soil Or Hydrology Inaturally problematic? Are Normal Circumstances' present? Yes 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 Is the Sampled Area within a Wetland? Yes No Wetland Hydrology Present? Yes No If yes, optional Wetland? Yes No If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) Wetland Hydrology Indicators: Primary Indicators (minimum of two required) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trin Lines (B16) Sutremarks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Shallow Aquitard (D3) In nudation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Field Observations: Surface Water Present? Yes No Depth (inches): Metal Hydrology Present? Yes No Depth (inches): Me
Are Vegetation Soil Interest, or Hydrology Inaturally 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 Wetland Hydrology Present? Yes No If yes, optional Wetland? Yes Within a Wetland? Yes Wotland Hydrology Present? Yes No If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Mand Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Suturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Sturted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Metal Presen
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Hydrophylic Vegetation Present? Yes X No Wetland Present? Yes X No Wetland Hydrology Present? Yes X No Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)
Wetland Hydrology Present? Yes No Within a Wetland? Yes No Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID:
Hydric Soil Present? Yes No
Remarks: (Explain alternative procedures here or in a separate report.) HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Stained Leaves (B9) Aquatic Fauna (B13) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation (C4) Presence of Reduced Iron (C4) Iron Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches):
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High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Dry-Season Water Table (C2) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Z'' Saturation Present? Yes No Depth (inches): Z'' Saturation Present? Yes No Depth (inches): Z'' Wetland Hydrology Present? Yes No No Depth (inches): Z'' Wetland Hydrology Present? Yes No No Depth (inches): Z'' Wetland Hydrology Present? Yes No No Depth (inches): Z'' Wetland Hydrology Present? Yes No No Depth (inches): Z'' No Depth (inches): Z'' Saturation Present? Yes No Depth (inches): Z'' Saturation Present? Yes No Depth (inches): Z'' Wetland Hydrology Present? Yes No No Depth (inches): Z''
Saturation (A3)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced 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 Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No
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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 Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Factorial Test (D5) Surface Water Present? Yes No Depth (inches): / Water Table Present? Yes No Depth (inches): / Wetland Hydrology Present? Yes No Depth (inches): / Wetland Hydrology Present? Yes No Depth (inches): / / Wetland Hydrology Present? Yes No Depth (inches): / / / / / / / / /
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Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): 7/2 Water Table Present? Yes No Depth (inches): 7/2 Saturation Present? Yes No Depth (inches): 7/2 Wetland Hydrology Present? Yes No No Depth (inches): 7/2 Wetland Hydrology Present? Yes No
Field Observations: Surface Water Present? Yes No Depth (inches): 7/4 Water Table Present? Yes No Depth (inches): 7/1 Saturation Present? Yes No Depth (inches): 7/1 Wetland Hydrology Present? Yes No
Surface Water Present? Yes No Depth (inches): A Water Table Present? Yes No Depth (inches): Z'' Saturation Present? Yes No Depth (inches): Z'' Wetland Hydrology Present? Yes No
Water Table Present? Yes No Depth (inches): Z'' Saturation Present? Yes No Depth (inches): Ø'// Wetland Hydrology Present? Yes No No Depth (inches): Ø'// Wetland Hydrology Present?
Saturation Present? Yes No Depth (inches): 01/ Wetland Hydrology Present? Yes No No
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Photo 0001 => 5W Trow Isohon RD.

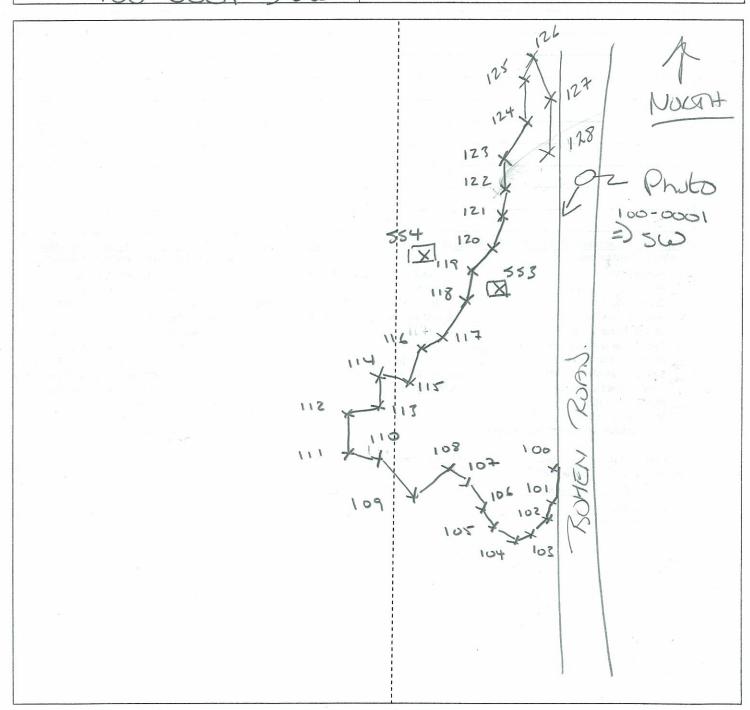
7/16/10

WETLAND

VEGETATION – Use scientific names of plants.	- NA	wen	LAN	Sampling Point: 553
Tree Stratum (Plot size:) 9		Species?	Status	Dominance Test worksheet: Number of Dominant Species
3 0 0				That Are OBL, FACW, or FAC:(A)
3.	-			Total Number of Dominant Species Across All Strata: (B)
4				Percent of Dominant Species
5.				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7.		A CRO	100000 2	Total % Cover of: Multiply by:
		= Total Cov	er	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:	July 18		A	FACW species x 2 =
1. SAlix SERICEA	1.	N	150	FAC species x 3 =
2 SALIX DEBBIANA	7	4 =	ALW	FACU species x 4 =
	7		pi	UPL species x 5 =
3. FRAXIOUS PEMSYLVANICA	3	14 1	ALW	Column Totals: (A) (B)
4. Ulmus Americana 5. SPIRAGA LATIGOLIA	<u> </u>	7	FAC	Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
2090 -> 8	15			Dominance Test is >50%
-10	40	= Total Cove	ər	Prevalence Index is ≤3.0¹
Herb Stratum (Plot size:)	_	(/ =		Morphological Adaptations ¹ (Provide supporting
1. Onociea sensibilis 2	7		FACW	data in Remarks or on a separate sheet)
2. CHELONE GIABRA 1	5	N	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
3. EPILOBIUM SP. 7	20	NO	DRC	1 management of the control of the c
4. CARFX SCOPALIA			ALW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	0		FACL	Definitions of Vegetation Strata:
6. CAREX UNDINOIDEA	5_	N (DBC	Tree – Woody plants 3 in. (7.6 cm) or more in diameter
	20		FACU	at breast height (DBH), regardless of height.
8. EUPATORIUM MACULATUM	5		ACW	Sapling/shrub - Woody plants less than 3 in. DBH
9. (c.Cl) brighting continues			31	and greater than 3.28 ft (1 m) tall.
10.				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11.				or size, and woody plants less than 3.26 it tall.
12.			1 <u>1</u>	Woody vines – All woody vines greater than 3.28 ft in
2096=>21	= 20	Total Cove	er	height.
Woody Vine Stratum (Plot size:)			in makes	3
1. OA	38 3 3	100	6.0	aninoti.
2				
3.				Uhrdramhadia
4				Hydrophytic Vegetation
		Total Co	-	Present? Yes No No
Remarks: (Include photo numbers here or on a separate shere		Total Cove	"	/
O O O O O O O O O O O O O O O O O O O	G)		\	
CATTAIL OTHER PINES	26	WER	-Anil	<u> </u>

SKETCH FORM

J. OI.	CETOTTI OTTI	
WETLAND ID/ROUTE ID: IC7333.	PROJECT: MRWF	and the second
INITIALS OF DELINEATORS: RTD.	DATE: 7/16/10	TIME:
PHOTO ID: 100-0001 = 50	LOCATION:	



	1	LEGEND	
•	Photo Location / Direction		Wetland
	Sample Station	σ	Upland
	Centerline		Perennial Stream
\triangle	Flag	>>	Intermittent Stream

TC7333-553

7/16/10

		to the dept			aicator (or confirm	the absence of indica	itors.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Features	Turnel	_Loc²	Ť	I	
11 11					Type'		Texture	Remarks	
0-19	TOYRY	95%	· 1048416		<u></u>	PL	clay/sity	day	
	-1					J	7/10/2/1	138 V 1	
				•					
				. ———					
	7	41							
		. —— -							
	-								
	14								
25									
	. A.				1				
	1	- V	77	. —— -					
				·					
	oncentration, D=Dep	letion, RM=	Reduced Matrix, CS	=Covered c	r Coated	d Sand Gra		=Pore Lining, M	=Matrix.
	Indicators:						Indicators for Probl		
_ Histosol		-	Polyvalue Belov		8) (LRR	R,	2 cm Muck (A10	(LRR K, L, ML	RA 149B)
	pipedon (A2) istic (A3)		MLRA 149B)		D D M	DA 440D\	Coast Prairie Re		
7.5	en Sulfide (A4)	-	Thin Dark Surfa Loamy Mucky N				5 cm Mucky Pea		RR K, L, R
	d Layers (A5)	-	Loamy Gleyed		(LINK IX,	L)	Dark Surface (Si Polyvalue Below		DD K I \
The same of the sa	d Below Dark Surface	(A11)	∠ Depleted Matrix				Thin Dark Surface	e (S9) (LRR K	I.)
_ Thick Da	ark Surface (A12)		Redox Dark Sur				Iron-Manganese		
	lucky Mineral (S1)	_	Depleted Dark S	Surface (F7)			Piedmont Floodp		
	Sleyed Matrix (S4)	· ·	Redox Depress	ons (F8)			Mesic Spodic (T/	A6) (MLRA 144)	A, 145, 149E
	Redox (S5)						Red Parent Mate		
	Matrix (S6) rface (S7) (LRR R, M	I DA 140B)					Very Shallow Da		2)
_ Dark out	riace (O7) (ERRER, III	LIXA 1430)					Other (Explain in	Remarks)	
dicators of	hydrophytic vegetati	on and wetl	and hydrology mus	be present	, unless	disturbed o	r problematic.		
strictive L	ayer (if observed):								
Type:	SEDROCK	1	<u> </u>						
Depth (inc	ches): \7')						Hydric Soil Present?	Yes	No
marks:									
1-1	SC AT 1								
4451	X AT I	2"							
1 6	+ 5016,		_						
my	1 20161	Die	200 -						
0	9								

7/16/10

Uplan

IC 733-554

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

moute and	1/10 tun Sampling Date: 7/16/10
0-0	
Applicant/Owner: 17/2/CC	State: 1 Sampling Point: 554
Investigator(s): DELAHUOTA Section, Township	p, Range:
Landform (hillslope, terrace, etc.):	relief (concave, convex, none):
Slope (%): <59	Datum:
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
	Are "Normal Circumstances" present? Yes No
	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling po	int locations, transects, important features, etc.
Hydric Soil Present? Yes No within a W	npled Area /etland? Yes No onal Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	orial Wetland Site ID.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
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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	
Drift Deposits (B3) Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled So	the state of the s
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)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	7
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	ctions), if available:
	- va
Remarks:	
5	
R · · ·	¥

111 push and 2 > 1 0 / 2 / 2	Absolute	Dominant Indicator	Dominance Test weeks t
PYROS MAIOS	% Cover	Species? Status	Dominance Test worksheet: Number of Dominant Species
Populus tremulaines	25	T FACU	matric obe, thew, or the (A)
Amuni se usau jaruwan sa	gire 1805.		Total Number of Dominant Species Across All Strata: (B)
and the second s			Percent of Dominant Species That Are OBL, FACW, or FAC:
(1880er of a final parties).	Y 2	97	Prevalence Index worksheet:
Manager Character and American Commencer and	0.		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15/2)	10120 P. C. C.	= Total Cover	OBL species x 1 = FACW species x 2 =
PRIVES SEROTINA	5	N FACU.	FAC species 90 x3 = 270
VINIAUM LENTAGO	25	Y FAC	FACU species 40 x4= 160
SPIREA LATIFOUR		4 FAC	UPL species x 5 = 75
		A Print Case Ca	Column Totals: 145 (A) 505 (B
			Prevalence Index = B/A = 3.45
			Hydrophytic Vegetation Indicators:
けいろいつ			Rapid Test for Hydrophytic Vegetation
-10	20	= Total Cover	Dominance Test is >50% Prevalence Index is ≤3.0¹
Soli DAGO RUGOSA	15	NI FAC	Morphological Adaptations ¹ (Provide supporting
Solidado Canadensis	15	NEAC	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
SPIREA LATIFOLIA	15	N FAC	
ASTER SP	10	N	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
GRASSI S. O. DAMES VIOL	20	4 -	
VICIA CRACCA	5	N UPLEX	Definitions of Vegetation Strata:
PRUNUS SEROTIAA	-0	M FACO	Tree – Woody plants 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height.
Popular truvioines		A FACU	Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Vicrotopographia Pallet (D.1)		A THE DESIGNATION OF	Herb – All herbaceous (non-woody) plants, regardless
			of size, and woody plants less than 3.28 ft tall.
040>18	90	= Total Cover	Woody vines – All woody vines greater than 3.28 ft in height.
oody Vine Stratum (Plot size:)			
n/A		Your Policy Visits	
——————————————————————————————————————		na yan aka	Hadasaka
			Hydrophytic Vegetation
		= Total Cover	Present? Yes No
marks: (Include photo numbers here or on a separate	sheet.)		
KX Unineralias (2)	ASS S	0 124 (XET is AminAnce TE
* not livery Ges be		1.01	2 /V MANGE P
T NOC CIGES			

IC73373-554

7116110

				(-)(-)	LAA			, ,
SOIL					C1-17-1	-2		Sampling Point: 554
Profile Desc	ription: (Describe	to the dept	h needed to docu	ment the	indicator	or confirm	n the absence of in	dicators.)
Depth	Matrix			ox Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc²	Texture	Remarks
0-8	104R3/2	100	1.				Silty Clau	1
8-20	104R5/2	75	7.5 Y R 56	25	C	0	Samo	010
			1					1
								0
				-				
				-			× /4	i
								*
					-		1	
				-				
				_		1		*
								9.35
-				-			1.	
								
Type: C=Co	ncentration, D=Depl	etion, RM=F	Reduced Matrix, CS	S=Covered	d or Coate	ed Sand Gr		: PL=Pore Lining, M=Matrix.
Hydric Soil II			Debaselse Dele	0	(00) (I DI			roblematic Hydric Soils ³ :
	ipedon (A2)	_	Polyvalue Below MLRA 149B		(36) (LKI	×κ,		A10) (LRR K, L, MLRA 149B) e Redox (A16) (LRR K, L, R)
Black His		_	Thin Dark Surfa		RR R, MI	LRA 149B)		Peat or Peat (S3) (LRR K, L, R)
	Sulfide (A4)	-	Loamy Mucky N			, L)	Dark Surface	e (S7) (LRR K, L)
	Layers (A5)	(011)	Loamy Gleyed	0.58	(1)			elow Surface (S8) (LRR K, L)
A CONTROL OF THE PARTY OF THE PARTY OF	Below Dark Surface rk Surface (A12)	F(ATT)	Depleted Matrix Redox Dark Su					urface (S9) (LRR K, L) nese Masses (F12) (LRR K, L, R)
17772777	ucky Mineral (S1)	_	_ Depleted Dark					oodplain Soils (F19) (MLRA 149B)
and the second s	eyed Matrix (S4)		_ Redox Depress					c (TA6) (MLRA 144A, 145, 149B)
Sandy Re								Material (TF2)
	Matrix (S6) ace (S7) (LRR R, M	I PA 1/0R)						v Dark Surface (TF12)
Bark Guir	ace (O7) (EIRICIA, III	LIX 1430)					Other (Expla	in in Remarks)
³ Indicators of I	hydrophytic vegetati	on and wetla	and hydrology mus	t be prese	nt, unless	disturbed	or problematic.	
Restrictive La	ayer (if observed):							
Туре:	Done							/
Depth (inch	nes):	Δ					Hydric Soil Prese	ent? Yes No
Remarks:								
(1 ×20)			- 11					
400121	i, cm	Uppe	~ 8"					

7/17/10

WERAN

AR7000-551

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

A .	
Project/Site: City/Cou	nty: Clinton Sampling Date: 7171
Applicant/Owner:	State: N T Sampling Point: SS /
Investigator(s): Section,	Township, Range:
Landform (hillslope, terrace, etc.): Reconvery, Flor	Local relief (concave, convex, none):
Slope (%): 576 Lat: Long:	
Control Contro	NWI classification: PSS IPEN
Soil Map Unit Name:	\ /
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	/
Are Vegetation, Soil, or Hydrology significantly disturbed	, -
Are Vegetation _/, Soil _/, or Hydrology _/ naturally problematic	? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing samp	ling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is	the Sampled Area
	rithin 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.)	
Marie Deal Mile	
MAMES DECENIUS WETE	1/4/2
	POETIUM PICTILE COW PASTURES
(1 3)	octions belief as bullings
(1-51) (YSIPEN - C	poor to south
HYDROLOGY + (100 - 130)	
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)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres Drift Deposits (B3) Presence of Reduced In	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) on (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	The state of the s
Inundation Visible on Aerial Imagery (B7) ✓ Other (Explain in Remark)	,
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes X No Depth (inches): 17	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previo	us inspections), if available:
Remarks:	EDOM. DEM WIDEAMAGE PATTERS
	exect: A (Isia La
DRAMMIE tO NW	STEER Gran/ Glow to
	NW - TERMINATIO
ISUANTSSEN TREE TRUNKS.	
de interese y in et i e	into upland
Photo 100-0005 => WSW	
100000000000000000000000000000000000000	0000
photo 100-0006 =) 5E F	10m - 121
	1 11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

WERROW

VEGETATION – Use scientific names of plants.

Sampling Point: 551

Tree Stratum (Plot size:	Absolute % Cover		ant Indicator s? Status	Dominance Test worksheet:
1. Olmus Americana		<u>T.</u>	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3.	19-14-11			Total Number of Dominant Species Across All Strata: (B)
4.				Possess of Dominant Constitution
				Percent of Dominant Species That Are OBL, FACW, or FAC:
S Prince of the second				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6.		- 78		Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
TO A STATE OF THE	10	= Total C	Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:)				FACW species x 2 =
SQU'Y SFOR EA	30	4	DRI	FAC species x 3 =
JOHN SCIENCE	700		_00	FACU species x 4 =
2. SHITX ISEDDIANA	40	7	FACUS	[1]
3. WIMUS AMERICANA	10	N	FALL	
4			70 Test 400	Column Totals: (A) (B)
5.				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7.				Rapid Test for Hydrophytic Vegetation
7090-312	40			Dominance Test is >50%
510	00	= Total C	cover	Prevalence Index is ≤3.0¹
Herb Stratum (Plot size:)	10	. 1	Tour	Morphological Adaptations ¹ (Provide supporting
SPIREA TOMERIOSA	10	1/1	MACW	data in Remarks or on a separate sheet)
2. ASTER UMTSELLATUS	25	4	FACLO	Problematic Hydrophytic Vegetation ¹ (Explain)
3. IMPATIENS CAPENSIS	20	4	FACU	
4. ASTER JUNCILORMIS	15	4	1001	¹ Indicators of hydric soil and wetland hydrology must
	- 12	1	TAC	be present, unless disturbed or problematic.
5 SPIREA CATIFOLIA		N	DA	Definitions of Vegetation Strata:
6.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7.				at breast height (DBH), regardless of height.
8.				The state of the s
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
9				No. 1 to the state of the state
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
21609715	75	= Total C	over	height.
Woody Vine Stratum (Plot size:)		. 100	- 1 1	
1 lot size.				
1.				
2				
3.				Hydrophytic
4.				Vegetation
		T		Present? Yes No
Pomerke: (Include phote numbers here or on a second		= Total Co	over	
Remarks: (Include photo numbers here or on a separate s	sneet.)			/
NORTH WEST Fryce			•	
GIYCERIA, TELECULES) L	illow	hee	e.B	
MARINI / Flav waren TO	NW	-	50/6	10,0000

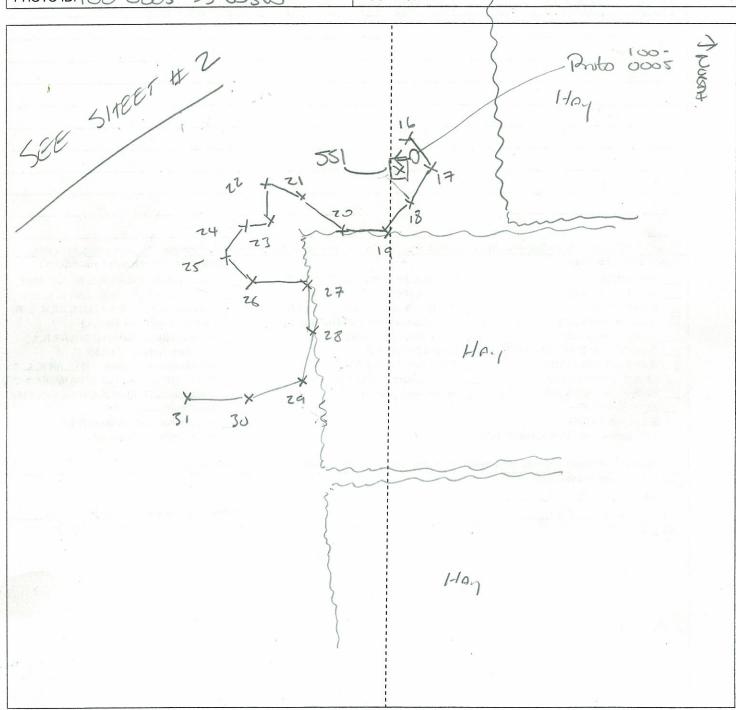
AR7000-SSI

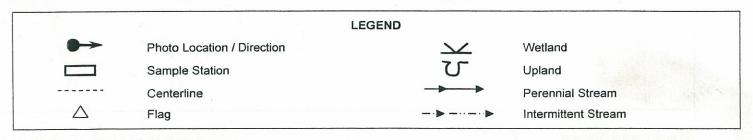


7/17/10

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Texture Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Location: PL=Pore Lining, M=Matrix, Plydric Soil Indicators for Problematic Hydric Soils*: Location: PL=Pore Lining, M=Matrix, Plydric Soil Indicators (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Coast Prairie Redox (A10) (LRR K, L, R) Dark Surface (A11) Depleted Delow Dark Surface (A11) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Redox Dark Surface (F7) Pidmont Floodplain Soils (F19) (MLRR 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Pidmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Depressions (F8) Redox Depressions (F8) Redox Depressions (F8) Redox Depressions (F8) Redox Dark Surface (F7) Pidmont Floodplain Soils (F19) (MLRA 149B) Other (Explain in Remarks) Other (Explain in Remarks) Polytic Soil Present? Yes No Deptimation of the property of the prop
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Hydric Soil Indicators: Histosol (A1)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Hydric Soil Indicators: Histosol (A1) Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Mexty Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Siripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Mesic Spodic (TA6) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Thin Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Thin Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Thin Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Thin Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Thin Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Thin Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Thin Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Thin Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Depleted Matrix (F1) Deplet
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 1
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 1
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A3) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Black Histic Epipedon (A2) Thin Dark Surface (TF12) Other (Explain in Remarks) No Depth (inches): Type: Depth (inches): No
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Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A3) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Black Histic Epipedon (A2) Thin Dark Surface (TF12) Other (Explain in Remarks) No Depth (inches): Type: Depth (inches): No
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A3) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Black Histic Epipedon (A2) Thin Dark Surface (TF12) Other (Explain in Remarks) No Depth (inches): Type: Depth (inches): No
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A3) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Black Histic Epipedon (A2) Thin Dark Surface (TF12) Other (Explain in Remarks) No Depth (inches): Type: Depth (inches): No
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A3) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Black Histic Epipedon (A2) Thin Dark Surface (TF12) Other (Explain in Remarks) No Depth (inches): Type: Depth (inches): No
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, MLRA 149B) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (S9) (LRR R, MLRA 149B) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Simpled Matrix (S6) Dark Surface (S7) (LRR R, L) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Think Dark Surface (A12) Redox Dark Surface (F6) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, MLRA 149B) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (S9) (LRR R, MLRA 149B) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Simpled Matrix (S6) Dark Surface (S7) (LRR R, L) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Think Dark Surface (A12) Redox Dark Surface (F6) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, MLRA 149B) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (S9) (LRR R, MLRA 149B) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Simpled Matrix (S6) Dark Surface (S7) (LRR R, L) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Think Dark Surface (A12) Redox Dark Surface (F6) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, MLRA 149B) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (S9) (LRR R, MLRA 149B) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Simpled Matrix (S6) Dark Surface (S7) (LRR R, L) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Think Dark Surface (A12) Redox Dark Surface (F6) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, MLRA 149B) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (S9) (LRR R, MLRA 149B) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Simpled Matrix (S6) Dark Surface (S7) (LRR R, L) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Think Dark Surface (A12) Redox Dark Surface (F6) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A3) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Black Histic Epipedon (A2) Thin Dark Surface (TF12) Other (Explain in Remarks) No Depth (inches): Type: Depth (inches): No
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A3) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Black Histic Epipedon (A2) Thin Dark Surface (TF12) Other (Explain in Remarks) No Depth (inches): Type: Depth (inches): No
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Black Histic (A3) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S7) (LRR K, L) Dark Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Black Histic Epipedon (A2) Thin Dark Surface (TF12) Other (Explain in Remarks) No Depth (inches): Type: Depth (inches): No
Histosol (A1) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A11) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Stripped Matrix (S4) Stripped Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Stripped Matrix (S6) Dark Surface (S7) Character (A12) Black Histic (A3) Thin Dark Surface (B11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Depleted Dark Surface (F7) Redox Depressions (F8) Belox Depressions (F8) Depleted Dark Surface (TF12) Dark Surface (TF12
Histic Epipedon (A2) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.** Restrictive Layer (if observed): Type: Depth (inches): **Indicators of Piedmont Floodplain in Remarks (NLR K, L, R) Hydric Soil Present? Yes No
Black Histic (A3)
Hydrogen Sulfide (A4) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Medicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Polyvalue Below Surface (S7) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Polyvalue Below Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR
Stratified Layers (A5)
Depleted Below Dark Surface (A11)
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) **Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. **Restrictive Layer (if observed):** Type:
Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (TF2) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Slindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No
Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No
Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes X No
³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:
Restrictive Layer (if observed): Type:
Restrictive Layer (if observed): Type:
Depth (inches): Hydric Soil Present? Yes No
Deput (incres).

SKETCH SHEET 10/2 SI	KETCH FORM	
WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE: TIME:	
PHOTO ID: 100-0005 => WSW	LOCATION:	-

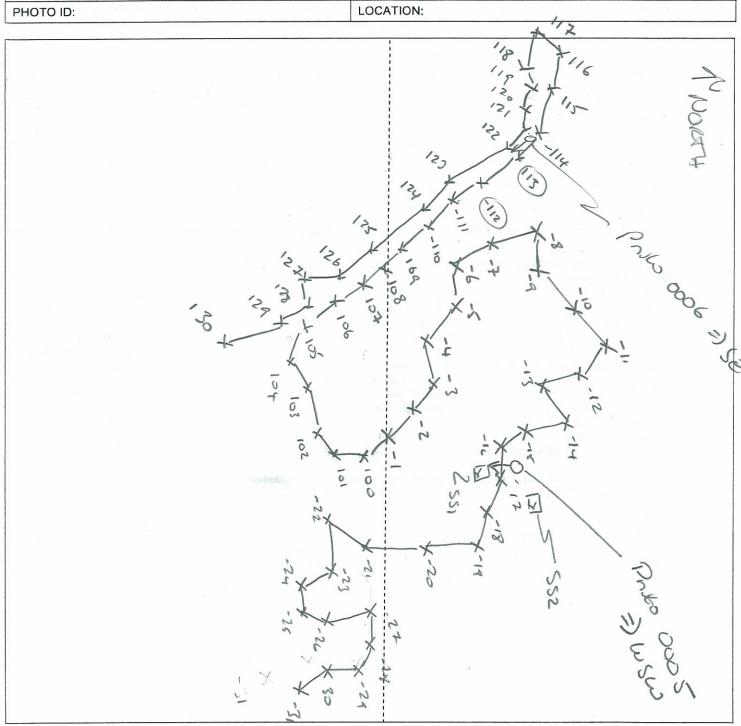




SICETCH SHEET Zog Z SKETCH FORM

WETLAND ID/ROUTE ID: PROJECT:

INITIALS OF DELINEATORS: DATE: TIME:



		LEGEND		
	Photo Location / Direction		Wetland	
	Sample Station	\mathcal{T}	Upland	
	Centerline		Perennial Stream	
\triangle	Flag	>	Intermittent Stream	

WERANS AR7000 SPS Points not Able to Aquire (-112 t-113)

A)
121-113 3340/15' 120-7113 120 980/211 121

XIII

114-5/13 1260/451 0 113-2112

130°/361

E) (121 -> 112 1320/21

PR7000-882

UPIAN

7/19(10

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: MRWF	City/C	county: Clinton	Sampling Date:	7/17/16
Applicant/Owner: MR, LCC			State: NY Sampling F	
Investigator(s): DECAHUNT				
Landform (hillslope, terrace, etc.): Recaniu				
Slope (%): <u> </u>	1	Local relief (concavi	e, convex, none).	. ,
	Long:	- 11-11		
Soil Map Unit Name:			NWI classification: \(\subseteq \delta \cap \)	
Are climatic / hydrologic conditions on the site typ				
Are Vegetation, Soil, or Hydrology			Circumstances" present? Yes X	No
Are Vegetation, Soil, or Hydrology	naturally problema	atic? (If needed, e	xplain any answers in Remarks.)	· -
SUMMARY OF FINDINGS – Attach si	te map showing sam	pling point locatio	ns, transects, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes _	No	Is the Sampled Area		
Hydric Soil Present? Yes _	No ×	within a Wetland?	Yes No _X	
	No ×	If yes, optional Wetland	Site ID:	
Remarks: (Explain alternative procedures here	or in a separate report.)		*	
Secretary and the second				
V. FM				
HYDROLOGY	**************************************		200 m 3 m 1 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2	
Wetland Hydrology Indicators:			Secondary Indicators (minimum of	wo required)
Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil Cracks (B6)	
Surface Water (A1)	Water-Stained Leave	s (B9)	Drainage Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)	2 800 000 E	Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Od		Crayfish Burrows (C8)	
Sediment Deposits (B2)		es on Living Roots (C3)	Saturation Visible on Aerial Ima	
Drift Deposits (B3)	Presence of Reduced		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reductio		Geomorphic Position (D2) Shallow Aquitard (D3)	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Other (Explain in Rer		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B8)	Outer (Explain III Not	narko)	FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes No _	X Depth (inches):			
	Mepth (inches):			32
Saturation Present? Yes No _	Depth (inches):	Wetland H	ydrology Present? Yes	No.
(includes capillary fringe) Describe Recorded Data (stream gauge, monito	ring well serial photos pre	vious inspections) if avai	lable:	
Describe Necorded Data (stream gauge, monte	ring wen, acriai priotos, pre	vious inspections), ii avai	abic.	
	÷ .	S # = - 1		
Remarks:				

VEGETATION - Use scientific names of plants	•	100		Sampling Point:
Tree Stratum (Plot size: 30/ R)	Absolute % Cover		nt Indicator Status	Dominance Test worksheet:
PYRUS MAIUS	70	7	UPL	Number of Dominant Species
2. Tilia AMERICANA	20	4	FACU	That Are OBL, FACW, or FAC: (A)
Populus tremulaines	CY	4	FACU	Total Number of Dominant Species Across All Strata: (B)
4		ars.		Percent of Dominant Species () O
5				That Are OBL, FACW, or FAC:
6.		_	Table The gar.	Prevalence Index worksheet:
7.	_	7107810-01	Kitalingia	Total % Cover of: Multiply by:
7. 2090-314	80	= Total C	over	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:)		TOTAL DE		FACW species x 2 =
1. KUDUS ALLEGHENIEUSIS	10	4	FACO	FAC species x 3 =
RUNUS IDAEUS	10	4	FAC	FACU species x 4 =
3. SPIRAEA LATIFOLIA	10	4	FAR	UPL species x 5 =
4.				Column Totals: (A) (B)
5.				Prevalence Index = B/A =
6.				Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
2090->6	30	= Total Co		Dominance Test is >50%
Herb Stratum (Plot size:		- Total Co	ovei	Prevalence Index is ≤3.0¹
1. Vicia CRACCA	10	N	1)01*	Morphological Adaptations¹ (Provide supporting
PHEUM PRATENSE	-	1	FACO	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
3. CIRCIUM SP.	~	N		residentation yurophytic vegetation (Explain)
4. Ruhus IDAEUS	20	14	FAC	¹ Indicators of hydric soil and wetland hydrology must
5. GRASS SC.	1.0	B D		be present, unless disturbed or problematic.
		14	FALL	Definitions of Vegetation Strata:
6. LIMPATIENS CAPENSIS		_14	FACE	Tree – Woody plants 3 in. (7.6 cm) or more in diameter
		Section 1.		at breast height (DBH), regardless of height.
8			47	Sapling/shrub – Woody plants less than 3 in. DBH
9		-	olgy House	and greater than 3.28 ft (1 m) tall.
10				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11.				AND A COUNTY OF THE PARTY OF TH
12	7	100	151-11 of 18.1	Woody vines – All woody vines greater than 3.28 ft in height.
126	70=	= Total Co	ver	
Woody Vine Stratum (Plot size:)				
1.			gr[6s]	manufacture and the second of
2				
3				Hydrophytic
4				Vegetation Present? Yes No
		Total Co	ver	
Remarks: (Include photo numbers here or on a separate s	heet.)			
* not Carel				
A NOC CSIEIS				
				n e e e e e e e e e e e e e e e e e e e
				i a constant



7/17/10

OIL :		A /			Sampling Poin	t: <u>>> /</u>
Profile Description: (Describe to	the depth needed to	document the indicator	or confirm the	absence of indic	cators.)	-
Depth Matrix		Redox Features				
inches) Color (moist)	% Color (mois	st) % Type ¹		exture	Remarks	
20 1042 4/2			5	11+ 10A1		
بتنسيس أثبيا المحتني						
	, , , , , , , , , , , , , ,					
						
	14					
	-					
- :	1-A			- Marie - Company - Compan		
	· Na					
<u> </u>						
					*	
pe: C=Concentration, D=Depleti	on, RM=Reduced Matri	ix. CS=Covered or Coate	ed Sand Grains	²l ocation: P	L=Pore Lining, N	A=Matrix
dric Soil Indicators:				dicators for Prot	plematic Hydric	Soils ³ :
Histosol (A1)	Polyvalue	Below Surface (S8) (LR			0) (LRR K, L, MI	
Histic Epipedon (A2)	MLRA 1				edox (A16) (LRF	
Black Histic (A3)		Surface (S9) (LRR R, M			at or Peat (S3) (
Hydrogen Sulfide (A4)		cky Mineral (F1) (LRR K	, L)	_ Dark Surface (S	67) (LRR K, L)	
Stratified Layers (A5)		eyed Matrix (F2)			w Surface (S8) (I	
Depleted Below Dark Surface (A Thick Dark Surface (A12)	· · · · · · · · · · · · · · · · · · ·		_		ice (S9) (LRR K,	
Sandy Mucky Mineral (S1)	Company Company Company Company	rk Surface (F6) Dark Surface (F7)		_ Iron-Manganes	e Masses (F12)	(LRR K, L, F
Sandy Gleyed Matrix (S4)		pressions (F8)	_	_ Pleamont Plood Mesic Spedic (lplain Soils (F19) FA6) (MLRA 144) (MLRA 149
Sandy Redox (S5)		(, 0)	**************************************	Red Parent Mar	terial (TF2)	A, 143, 1431
Stripped Matrix (S6)			** ****		ark Surface (TF1	12)
Dark Surface (S7) (LRR R, MLR	A 149B)			Other (Explain i		
dicators of hydrophytic vegetation	and wetland hydrology	must be present, unless	disturbed or pro	oblematic.		
strictive Layer (if observed):						
- 4 - 6						
Depth (inches):			Hyd	dric Soil Present	? Yes	No _
marks:			A			
					-	
					*	
	als.					
			- K			
			TH = 3 8			

WTG-91-7001-SSI

WETTAL

7/12/10

WETLAND DETERMINATION DATA FORM – Northcentre	l and	d Northeast	Region
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Project/Site: MRWF City/Co	ounty: Clinton Sampling Date: 7/17/10
Applicant/Owner: mR LCC	State: NY Sampling Point: 551
	n, Township, Range:
Landform (hillslope, terrace, etc.): Slight Slope to GAST	
The state of the s	Datum:
and the second s	NWI classification: PSSIPEN
Soil Map Unit Name:	
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	
Are Vegetation, Soil, or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrology naturally problemate	ic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	oling 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
	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
JEM- & PSSIPEN	
The state of the s	7.00
107 mans NOL	and the state of t
/5/03	
HYDROLOGY	All the second s
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) 10 21 ACES Water-Stained Leaves	31) i
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odo	Dry-Season Water Table (C2) (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) — Oxidized Rhizosphere:	
Drift Deposits (B3) Presence of Reduced	
Algal Mat or Crust (B4) Recent Iron Reduction	the state of the s
Iron Deposits (B5) Thin Muck Surface (C7	And the second s
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem	The state of the s
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No Depth (inches):	21
Water Table Present? Yes No Depth (inches):	51
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ous inspections), if available:
	, 110 ₁ .
Remarks:	the flex 11 bb
	From between Flogs 11 to 12
1' " 0011 => East	From Flag 6
	From between Flags 2 13
" "	
00 13 > East	From between 26 to 27

A A		Dominant Indicator	Dominance Test worksheet:
		Species? Status	Number of Dominant Species
INIA			That Are OBL, FACW, or FAC:(A)
2)			Total Number of Dominant
3.			Species Across All Strata: (B)
The state of the s			Percent of Dominant Species That Are OBL, FACW, or FAC:
5			Matrie Obe, FACW, OF FAC.
6			Prevalence Index worksheet:
N. C.			Total % Cover of: Multiply by:
		= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:)			FACW species x 2 =
NA -			FACULTURE X 3 =
			FACU species x 4 =
3		100	UPL species x 5 = Column Totals: (A) (B)
h		Dispersion -	Column Totals (A) (B)
5			Prevalence Index = B/A =
			Hydrophytic Vegetation Indicators:
			Rapid Test for Hydrophytic Vegetation
		= Total Cover	Dominance Test is >50%
Herb Stratum (Plot size: 5 / R)		7 5141 5 5 7 51	Prevalence Index is ≤3.01
SCIRPUS MICROPARPUS 1	0	N OBL	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
SCIRDUS ATROUIRENS	5	N OBC	Problematic Hydrophytic Vegetation¹ (Explain)
CAREX UNIDINDIDEA	5	NORL	
Epilobium Sp. <	7	NORL	¹ Indicators of hydric soil and wetland hydrology must
JUNCUS ELCUSUS Z	J.	T FACU	be present, unless disturbed or problematic.
	5	obči ob	Definitions of Vegetation Strata:
(4) - V. W. S. C. (20) C. A. G. C. C. C. C. C. G. C.	-	N OBC	Tree – Woody plants 3 in. (7.6 cm) or more in diameter
	5	N OISC	at breast height (DBH), regardless of height.
	<u>O</u>	M FACW	Sapling/shrub – Woody plants less than 3 in. DBH
IMPATIENS CAPENSIS I	0	14 FACL	and greater than 3.28 ft (1 m) tall.
o. <u>Euthamia Graminifolia</u> 1	2	M FAC	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
2			Woody vines - All woody vines greater than 3.28 ft in
20% -> 19	15=	Total Cover	height.
Voody Vine Stratum (Plot size:)			
DIA			
	1 (1		The described to
			Hydrophytic Vegetation
			Present? Yes No
Pemarke: (Include photo numbers here or on a concrete shape		: Total Cover	
Remarks: (Include photo numbers here or on a separate shee	et.)	Total Cover	in companent (Active
OSS/PEM - Silly Willow; BEAK	النعا	au; GREEN	n Ach; Amon Econ;
SENSON FERM	nn:	e ni 4	A; nARROW less 6. RD.
Ju isitile I car I	THE	-x clinit	17 /11/11(COW 1057 6.16)

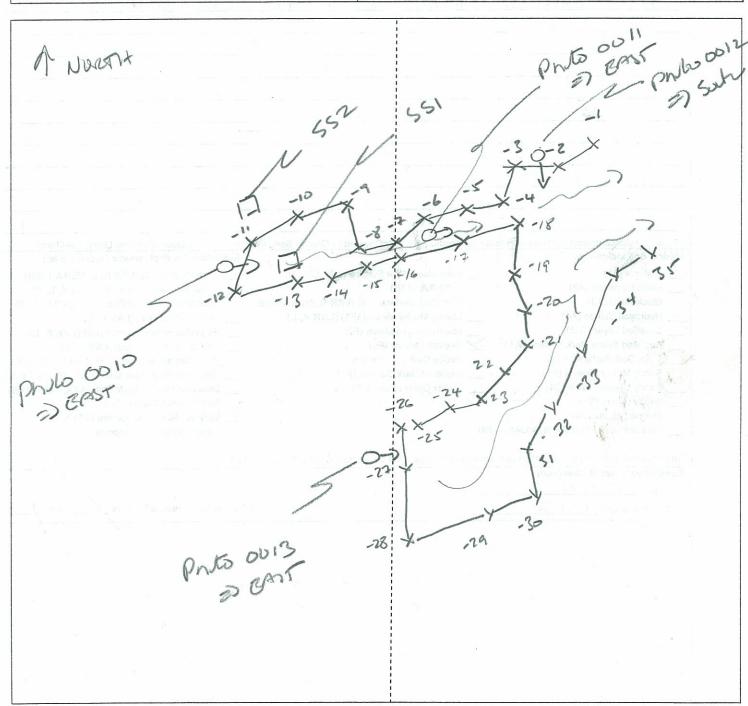
WTG91-7001-SS1

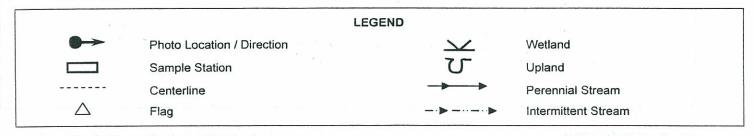


7/17/10

SOIL	144				Sampling Point: 551
Profile Description: (Describe to the	depth needed to docu	ment the indicator	or confirm	n the absence of ind	
Depth Matrix	Redo	x Features			
(inches) Color (moist) %	Color (moist)	% Type ¹	Loc ²	Texture	Remarks
0-14 d.54311 10				Sitty Clay	
14-20 2.5 5/2 95	10485/4	5 C	PL	Sardy 10	G M
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and a second		- N. 7. 1	(// (
	* 4.				<u> </u>
	_				
			1		
The state of the s			1		
Type: C=Concentration, D=Depletion, F	RM=Reduced Matrix, CS	S=Covered or Coate	ed Sand Gra	ains. ² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:		The same of the sa	17		oblematic Hydric Soils ³ :
Histosol (A1)		v Surface (S8) (LRI	RR,		10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2) Black Histic (A3)	MLRA 149B)	ce (S9) (LRR R, M	BA 140B)	Coast Prairie	Redox (A16) (LRR K, L, R)
✓ Hydrogen Sulfide (A4)		lineral (F1) (LRR K			Peat or Peat (S3) (LRR K, L, R) (S7) (LRR K, L)
Stratified Layers (A5)	Loamy Gleyed N		, –,		ow Surface (S8) (LRR K, L)
Depleted Below Dark Surface (A11)	Depleted Matrix			Thin Dark Sur	face (S9) (LRR K, L)
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Redox Dark Sur	The state of the s		Iron-Mangane	se Masses (F12) (LRR K, L, R)
Sandy Mucky Milleral (S1) Sandy Gleyed Matrix (S4)	Depleted Dark S Redox Depressi				odplain Soils (F19) (MLRA 149B
Sandy Redox (S5)	redox Depressi	0113 (1 0)		Red Parent M	(TA6) (MLRA 144A, 145, 149B) aterial (TE2)
Stripped Matrix (S6)					Dark Surface (TF12)
Dark Surface (S7) (LRR R, MLRA 14	19B)		3	Other (Explain	
Indicators of hydrophytic vegetation and	wetland hydrology must	t be present, unless	disturbed of	or problematic	4
Restrictive Layer (if observed):	, ,,	1 -		procioniano.	
Type:				_	
Depth (inches):			5	Hydric Soil Presen	t? Yes No
Remarks:					
	1300			*	
No.					
	to the same				
	6				

SICETH SHEET 106 2	SKETCH FORM		
WETLAND ID/ROUTE ID:	PROJECT:	a like	
INITIALS OF DELINEATORS:	DATE:	TIME:	
PHOTO ID:	LOCATION:		

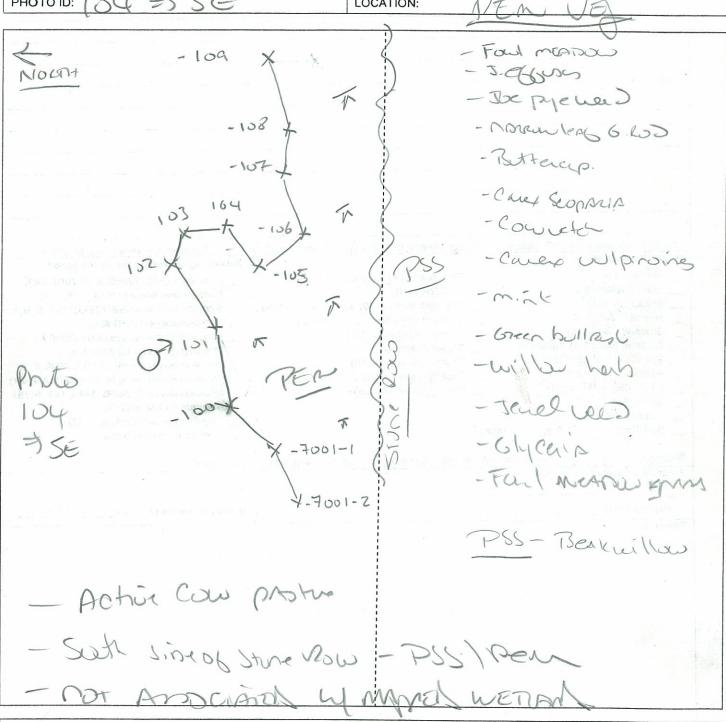




SKERH SHEET 2002 WERRAND [UTG-91-700] EXTENSION

7/23/10

	SKETCH FORM	
WETLAND ID/ROUTE ID:	PROJECT:	The Control of the Co
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID: 104 => 5E	LOCATION:	FMILE



		LEGEND		
•	Photo Location / Direction		Wetland	
	Sample Station	J	Upland	
	Centerline		Perennial Stream	
	Flag	> > ·	Intermittent Stream	

WTG-91-7001-55Q

MARGU

7/17/10

Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Iron Deposits (B5) Iron Deposits (B5) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water (A1) Water Stained Leaves (B9) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No No Wetland Hydrology Present? Yes No No No Depth (inches): Wetland Hydrology Present? Yes No No No No No No No No No N	roject/Site: // / // /	100000000000000000000000000000000000000	7/12
Section, Township, Range: Section, Township, Range: Long: Local relief (concave, convex, none): Datum: Long: Long: Local relief (concave, convex, none): Datum: Long: Lo			ty: Sampling Date: Tild
andform (hillslope, terrace, etc.): Suphtlope to EAST Local relief (concave, convex, none): Datum: oil Map Unit Name: re climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes No re Vegetation / Soil or Hydrology / significantly disturbed? re Vegetation / Soil or Hydrology / naturally problematic? (If needed, explain any answers in Remarks.) RUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, Hydrophytic Vegetation Present? Yes No Wetland Hydrology Fresent? Yes No Wetland Hydrology Fresent? Wes No Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Adard Deposits (B15) Sediment Deposits (B2) Oxideed Rhizospheres on Living Roots (C3) Saturation (A3) Algal Mat or Crust (B4) Iron Deposits (B3) Presence of Reduced Iron (C4) Sparsely Vegetated Corcave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Wetland Hydrology Present? Wetland Hydrology Indicators (minimum of two required into Reduction in Tilled Soils (C6)) Shallow Aquitard (D3) High Mater Table (A2) Sourface Soil Crack (B6) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hyd	pplicant/Owner:		State: Sampling Point:
Lat: Long: Datum:	vestigator(s): DECAHOOT	Section, T	ownship, Range:
oil Map Unit Name:	andform (hillslope, terrace, etc.): Slight do	oe to EAST	Local relief (concave, convex, none):
re climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) re Vegetation N. Soil N. or Hydrology Significantly disturbed? re Vegetation N. Soil N. or Hydrology N. significantly disturbed? re Vegetation N. Soil N. or Hydrology N. auturally problematic? (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 Is the Sampled Area within a Wetland? Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1) Water-Stained Leaves (B9) Surface Water (A1) Water-Stained Leaves (B9) Surface Water (A1) Aquatic Fauna (B13) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Peposits (B2) Drift Deposits (B2) Drift Deposits (B3) And Present? Presence of Reduced Iron (C4) Sparsely Vegetated Concave Surface (B8) Fresence of Reduced Iron (C4) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Present Prese	lope (%):	Long:	Datum:
re climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) re Vegetation N. Soil N. or Hydrology Significantly disturbed? re Vegetation N. Soil N. or Hydrology N. significantly disturbed? re Vegetation N. Soil N. or Hydrology N. auturally problematic? (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 Is the Sampled Area within a Wetland? Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1) Water-Stained Leaves (B9) Surface Water (A1) Water-Stained Leaves (B9) Surface Water (A1) Aquatic Fauna (B13) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Peposits (B2) Drift Deposits (B2) Drift Deposits (B3) And Present? Presence of Reduced Iron (C4) Sparsely Vegetated Concave Surface (B8) Fresence of Reduced Iron (C4) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Present Prese	oil Map Unit Name:		NWI classification:
re Vegetation		al for this time of year? Yes	
re Vegetation N., Soil Nor Hydrology N., naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Remarks: (Explain alternative procedures here or in a separate report.) PREMATICE FOR THACK FOR HACK SILE ID: Remarks: (Explain alternative procedures here or in a separate report.) PREMATICE FOR THACK SILE ID: Secondary Indicators (minimum of two required) Primary Indicators (minimum of two required) Surface Water (A1) High Water Table (A2) Saturation (A3) Marl Deposits (B15) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Inon Deposits (B5) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Mater Table Present? Yes No Depth (inches): Saturation Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No			
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Wetland Hydrology Present? Remarks: (Explain alternative procedures here or in a separáte report.) Dominace Test Positive For Hydrophytic Up Publication: Foundation of two requires Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Saturation (A3) Water Bair (B15) Secondary Indicators (minimum of two required) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sediment Deposits (B2) Drift Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Iron Deposits (B3) Presence of Reduced Iron (C4) Iron Deposits (B5) Iron Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes	100 TO 100 T	\$	hin a Wetland? Yes No
Presence Test Positive For Hydrophyttic Light		No If y	es, optional Wetland Site ID:
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Marl Deposits (B15)	Surface Water (A1)	Water-Stained Leaves (BS	Drainage Patterns (B10)
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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 Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No No Present Yes No Present Yes No Present Yes No Yes No Yes No Yes Yes No Yes			
Algal Mat or Crust (B4)			
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Surface Water Present? Yes No Depth (inches): Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No No Depth (inches): No Depth (inch	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)		s) Microtopographic Relief (D4)
Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No No Depth (inches): No	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)		s) Microtopographic Relief (D4)
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations:	Other (Explain in Remarks	s) Microtopographic Relief (D4)
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No	Other (Explain in Remarks Depth (inches):	s) Microtopographic Relief (D4)
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes No	Other (Explain in Remarks Depth (inches):	Microtopographic Relief (D4) FAC-Neutral Test (D5)
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Describe Necorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Describe Necorded Data (stream gauge, monitoring well, aerial priotos, previous inspections), il available.	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	S) Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	S) Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	S) Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	S) Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Remarks:	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
	Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches):	Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No

WB-91-7001-552

7/17/10

VEGETATION – Use scientific names of plants	S		Sampling Point:
Tree Stratum (Plot size:)	Absolute	Dominant Indicator Species? Status	Dominance Test worksheet:
. 010		Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.	general I		- I The Company of th
3.			Total Number of Dominant Species Across All Strata: (B)
4.			Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
5.			(AB)
6		- 18(C) 35 (E) 0.75	Prevalence Index worksheet:
A THE RESERVE TO SERVE THE PARTY OF THE PART		= Total Cover	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)	stantin	- Total Cover	OBL species x 1 = FACW species x 2 =
~ 1.0			FAC species 30 x3= 90
1-11			FACU species 30 x4 = 170
2.			UPL species
3			Column Totals: (A) 785 (B)
4 5			Prevalence Index = B/A = 4105
			Hydrophytic Vegetation Indicators:
6			Rapid Test for Hydrophytic Vegetation
7	1,324		Dominance Test is >50%
Herb Stratum (Plot size: 5 / R		= Total Cover	Prevalence Index is ≤3.0 ¹
Required US ACRIS	70	4 FAC	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. Chrysanth Emum leveanther	num 16	N UPLEX	Problematic Hydrophytic Vegetation ¹ (Explain)
3.501:0960 ROYOSA		N FAC	Assessment and the property of the second control of the second co
Plantago lancedaTA	15	N UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. TRIGHIUM REPENS	15	N FACU	With the second
6. FRAGARIA UIRGINIANA	10	N FACO	Definitions of Vegetation Strata:
7. TARAXACUM OFFICINAIE	of principles of 2	N FACO	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8. VICIA CRACCA		N UPL	Sapling/shrub – Woody plants less than 3 in. DBH
9. LAmium purpureun		V M	and greater than 3.28 ft (1 m) tall.
10			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12.			Woody vines – All woody vines greater than 3.28 ft in
7090>19	95	= Total Cover	height.
Woody Vine Stratum (Plot size:)			
10/9	The same in	<u> </u>	7. Trem see a marina 193, U.S.
2	TARE AND IN		
3.			Hydrophytic
4.			Vegetation
12		Total Cover	Present? Yes No No
Remarks: (Include photo numbers here or on a separate s			
* not lister			
7			
2			

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WTG91-7001-552

SOIL	Sampling Point:
Profile Description: (Describe to the depth needed to document the indicator or confirm	
Depth Matrix Redox Features	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Texture Remarks
	CIPCI DAW
8-11) 104R413 10010 104R618 55% CPL	SONDY LOAM
1-20 104R 413 100 104L514 5590 P	LORDA SACI
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Gr	
Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R.	Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L)	Dark Surface (S7) (LRR K, L)
Stratified Layers (A5) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3)	Polyvalue Below Surface (S8) (LRR K, L)
Depleted below Bark Surface (A12) Beginned Matrix (F3) Redox Dark Surface (F6)	Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7)	Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Gleyed Matrix (S4) Redox Depressions (F8)	Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Redox (S5) Stripped Matrix (S6)	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
Dark Surface (S7) (LRR R, MLRA 149B)	Other (Explain in Remarks)
3	The state of the second state of the state o
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed Restrictive Layer (if observed):	or problematic.
Type: OOC	
Depth (inches):	Hydric Soil Present? Yes No
Remarks:	Nyano con recentr resNo

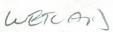
AR7002-551

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site:	County: CIIOTON Sampling Date: 7/18/10
Project/site: / // City/	County. Sampling Date:
	State: N 7 Sampling Point: 551
Investigator(s): DELAHUNTA Sect	
Landform (hillslope, terrace, etc.): TELANUL FIAT	
Slope (%): < 590 Lat: Long	g: Datum:
Soil Map Unit Name:	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	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation , Soil , or Hydrology , naturally problem	
	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.)	ii yoo, opaana waaana dae ib.
	04 2000=
AREA FENCED FROM ACTUE	111131000
DEC MAMES WERRANS	
Hypric DASTRE - OFO/GAR	" Seconor
HYDROLOGY	THE WAY
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leav	
High Water Table (A2) Aquatic Fauna (B13	
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide O	dor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2)	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)	FAC-Neutral Test (D5)
Surface Water Present? Yes X No Depth (inches): Z	" (in plants)
Water Table Present? Yes X No Depth (inches): 6	1, 111(03)
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	
Ando 0015 = 1125	Fre 6th - 22-3
	A. C.
n 0016 => liest ;	L 552

VEGETATION – Use scientific names of plants.		4.76		Sampling Point: 351
Tama Stratum (Blat sine)		Dominant I		Dominance Test worksheet:
Tree Stratum (Plot size:)	% Gover	Species?	Status	Number of Dominant Species
1. 0 0	-			That Are OBL, FACW, or FAC: (A)
2.				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				
		= Total Cover		Total % Cover of: Multiply by: OBL species
Sapling/Shrub Stratum (Plot size:)		- Total Cove		FACW species 55 x 2 = 110
Sapinig/Sitiub Stratum (Plot size)				FAC species x3 = 45
				A CONTRACTOR OF THE PROPERTY O
2.				
3	2007			
4		a February		Column Totals: 17.0 (A) 705 (B)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				Rapid Test for Hydrophytic Vegetation
		Total Cover		Dominance Test is >50%
Herb Stratum (Plot size: 5/R)		Total Cover		Prevalence Index is ≤3.0 ¹
1. DCIRPUS ATROVIREOS	70	NO	BC	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
25 CIRPUS MICROCARPUS	1.5	NO	RC.	Problematic Hydrophytic Vegetation ¹ (Explain)
3. Junes Ekusus	20	N/ F	200	
4. ENHAMIA GRAMINIFOLIA	1.5		AC	¹Indicators of hydric soil and wetland hydrology must
5. CAREX UUIDINOIDEA	1.3		186	be present, unless disturbed or problematic.
LINE LIES AND AND HORSE	10	11	~	Definitions of Vegetation Strata:
6. AGROSTIS GIGANTEA	17	60	acw	Tree – Woody plants 3 in. (7.6 cm) or more in diameter
1. CAREX SCOPARIA	10		aw	at breast height (DBH), regardless of height.
8 IMPATIENS CAPENSIS	10		ACW	Sapling/shrub – Woody plants less than 3 in. DBH
9. Glyceria Sp.		40	NL	and greater than 3.28 ft (1 m) tall.
10. Polijyonum sagittarum	55	N 0	カレ	Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
12.			<u> </u>	Woody vines - All woody vines greater than 3.28 ft in
75-0905	120 =	Total Cover	. 00	height.
Woody Vine Stratum (Plot size:)	12.1		of a	
1010				9.
2				
2				
3				Hydrophytic
4				Vegetation Present? Yes No
		Total Cover		
Remarks: (Include photo numbers here or on a separate shape)	neet.)	*\		
DSC D 1 - C =				
PSS 10 WEST				
				, and the second of the second

AR7002-551



7/18/18

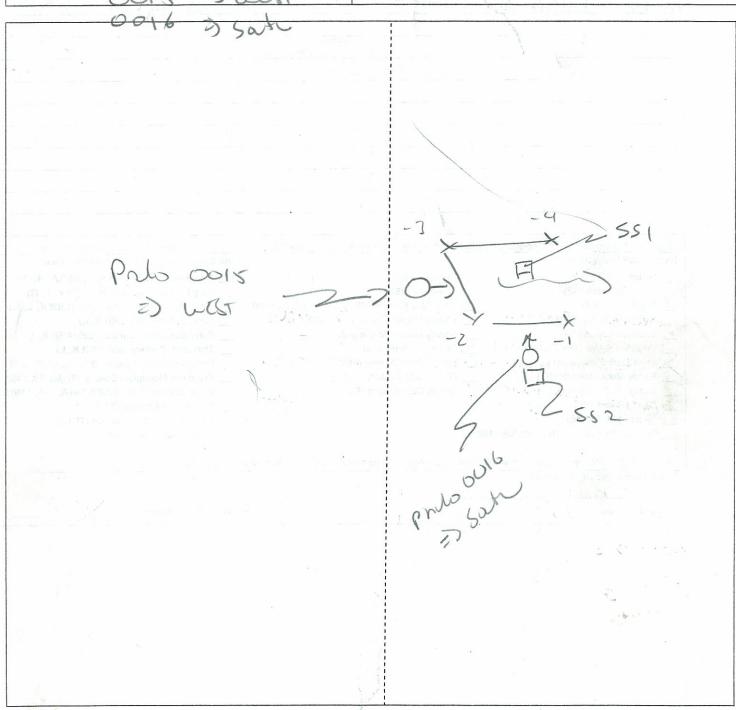
SOIL	7.30				Q e.	Sampling Poin	15 <u>5</u> 5 5 1
Profile Descr	ription: (Describe t	o the depth	needed to document the indicator or co	confirm (the absence of inc	dicators.)	
Depth	Matrix		Redox Features			115 V351 m 2 St. 115	CHARLES THE COLUMN
(inches)	Color (moist)	%		oc²	Texture	Remarks	The state of the s
0-10	104R3/1	100%			sith day	THE ENGLAND OF THE ST	
10 (1)	invach	100//			31114 000	11	-
10-14	10YR5/2	1001/			Sandy Cla	3 0hm	
						000	
							1
	*						-
-							
			· · · · · · · · · · · · · · · · · · ·				
-							 .
							- 1
¹ Type: C=Cor	ncentration, D=Deple	etion, RM=R	educed Matrix, CS=Covered or Coated Sa	and Grain		PL=Pore Lining, N	Λ=Matrix.
Hydric Soil In	dicators:				Indicators for Pr	oblematic Hydric	Soils ³ :
Histosol (/		·	Polyvalue Below Surface (S8) (LRR R,		2 cm Muck (A	10) (LRR K, L, M	LRA 149B)
	pedon (A2)		MLRA 149B)			Redox (A16) (LR	
Black Hist			_ Thin Dark Surface (S9) (LRR R, MLRA	149B)		Peat or Peat (S3) (
	Sulfide (A4)	<u>_</u>	Loamy Mucky Mineral (F1) (LRR K, L)			(S7) (LRR K, L)	
	Layers (A5)		Loamy Gleyed Matrix (F2)			low Surface (S8) (
	Below Dark Surface	(A11)	Depleted Matrix (F3)			rface (S9) (LRR K	
	k Surface (A12)	-	_ Redox Dark Surface (F6)		Iron-Mangane	ese Masses (F12)	(LRR K, L, R)
	cky Mineral (S1)	_	_ Depleted Dark Surface (F7)			odplain Soils (F19	
	eyed Matrix (S4)	_	_ Redox Depressions (F8)		Mesic Spodic	(TA6) (MLRA 144	A, 145, 149B)
Sandy Red					Red Parent M		
Stripped M	ace (S7) (LRR R, ML	DA 140D)				Dark Surface (TF	12)
Dark Suria	ice (S/) (LKK K, WE	-KA 1436)			Other (Explain	n in Remarks)	
3Indicators of h	vdrophytic vegetatio	n and wetla	nd hydrology must be present, unless distu	urbed or	roplomatic		
Restrictive La	yer (if observed):	m and would	nd Hydrology must be present, unless distr	uibed of	problematic.		
Type:	Pocker						
			_			-12 V \/	
Depth (inch	es): 14"		-		Hydric Soil Preser	nt? Yes X	No
Remarks:							
						- 4	
	*			i .			

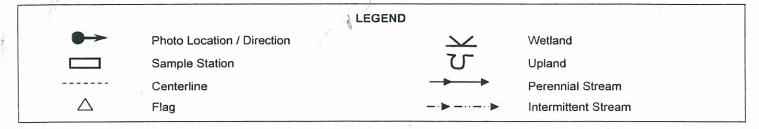
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7/8/10

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:			
INITIALS OF DELINEATORS:	DATE:	TIME:		
PHOTO ID: OOK = 1. TIT	LOCATION:			





AR7002-552

Upcans

7/18/12

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: YWRWF	City/County:	Linton Sampling Date: 71811
Applicant/Owner: MR, CCC		State: NT Sampling Point: 552
Investigator(s): DELA-LUNTY	Section, Township	o, Range:
Landform (hillslope, terrace, etc.): Shart den-		elief (concave, convex, none):
Slope (%):		Datum:
- 4.31 x 3m2 4 m2 1 a	Long.	- \ ^
Soil Map Unit Name:		NWI classification:
Are climatic / hydrologic conditions on the site typical for this		1
Are Vegetation, Soil, or Hydrologys		Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology n	aturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing sampling poi	nt locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	o Is the Sam	pled Area
Hydric Soil Present? Yes No	within a M.	etland? Yes NoX_
Wetland Hydrology Present? Yes No		onal Wetland Site ID:
Remarks: (Explain alternative procedures here or in a sep		*
Andreage AntiopeVerrollersh		
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all t	hat apply)	Surface Soil Cracks (B6)
Surface Water (A1) Wate	er-Stained Leaves (B9)	Drainage Patterns (B10)
	atic Fauna (B13)	Moss Trim Lines (B16)
A Section 1	Deposits (B15)	Dry-Season Water Table (C2)
	rogen Sulfide Odor (C1) lized Rhizospheres on Living F	Crayfish Burrows (C8) Roots (C3) Saturation Visible on Aerial Imagery (C9)
	sence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
	ent Iron Reduction in Tilled So	
	Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Othe	er (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	-id 1s	FAC-Neutral Test (D5)
Field Observations:		
	oth (inches):	
	oth (inches):	× 1
Saturation Present? Yes No Dep (includes capillary fringe)	oth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, a	aerial photos, previous inspect	tions), if available:
Remarks:		
1 1970 pell 1		
		7 *
		5

PR7002-552

7/18/10

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VEGETATION –	Use	scientific	names	of	plants.
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Sampling Point: 552

Trac Stratum (Blet size)	Absolute		Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species? Status	Number of Dominant Species
1. 0 4	- idea en en en en en	the property	That Are OBL, FACW, or FAC:
2			(A)
	Tog little	7.7. Sec. 7.7. 7	Total Number of Dominant
3.			Species Across All Strata: (B)
4		e di l'all'a el brancassa	Percent of Dominant Species
5			That Are OBL, FACW, or FAC: (A/B)
			is no all the page and a stage and
6.			Prevalence Index worksheet:
7			Total % Cover of: Multiply by:
		- Total Cover	
7		= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:)			FACW species x 2 =
1.00	John E. J.		FAC species x 3 =
			FACU species x 4 =
			UPL species x 5 =
3.	<u> </u>		Column Totals: (A) (B)
4		10 11 15 15 16 15	(A) (B)
			Prevalence Index = B/A =
5			
6			Hydrophytic Vegetation Indicators:
7.			Rapid Test for Hydrophytic Vegetation
		- Total Course	Dominance Test is >50%
<1R		= Total Cover	Prevalence Index is ≤3.0¹
Herb Stratum (Plot size:)		K 1	
1.UICIA CRACCA	92	1 UNLX	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
E RAMUNCIUS ACRIS	20	N/ Fac	Problematic Hydrophytic Vegetation ¹ (Explain)
	- 00	11 170	Problematic Hydrophytic Vegetation (Explain)
3. Lotus Corniculatus	10	N/ FACU	Application of the design of the control of the con
1PHIEUM PRATERSE	10	N FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. Solinago Rugasa	1:5	111	
100	1.7	NEAC	Definitions of Vegetation Strata:
6. GRASS SP	1.0	<u> </u>	Tree Meadure last 2 in (7.2
7			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8		and the same of th	at breast neight (DDF), regardless of fleight.
E CONTROL CONT			Sapling/shrub - Woody plants less than 3 in. DBH
9.			and greater than 3.28 ft (1 m) tall.
10			Herb – All herbaceous (non-woody) plants, regardless
11.			of size, and woody plants less than 3.28 ft tall.
			22 a sandana - 12 a s
12.	-,		Woody vines – All woody vines greater than 3.28 ft in
20% > 22	CIL	= Total Cover	height.
Woody Vine Stratum (Plot size:)		1000	
vvoccy vine dilatain (1 lot size.			The second secon
1() (-)	1911 of 800	THE PARTY OF THE PARTY OF THE	generalistic eta mosteriar y basa selentes por
2			
3			n 7 - 7 - 0
	-		Hydrophytic Vegetation
4			Present? Yes No
	1	= Total Cover	
Remarks: (Include photo numbers here or on a separate	sheet.)		
X W J Company			
7 INT LISTED			
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			particular designation of the second
7			*

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1 1			<u>v</u>				

7/18/10

Sampling Point:

						or confirm	n the absence of indi	Jato13./	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	lox Features %	Type ¹	Loc ²	Touture		
(micries)	10/ 1 2			AAT 1 25		Loc	Texture	Rem	arks
210			1046518	<5%		120	COAU		
1-20	1004R414	100	1041611	< 590	C	PL	SANDY	CIA	ILOAC
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								7	
in the second se									1 .
				_			-		
							0)		
Type: C=Cor	ncentration, D=Deple	etion. RM=	Reduced Matrix. C	S=Covered	or Coate	d Sand Gr	ains ² Location: F	I -Pore Lini	ng, M=Matrix.
ydric Soil In	dicators:		,	0010.00	or oouto	d Cana Cit	Indicators for Pro	plematic Hy	dric Soils ³ :
_ Histosol (Polyvalue Belo	w Surface (S8) (LRF	R,			L, MLRA 149B)
	pedon (A2)		MLRA 149E				Coast Prairie R	edox (A16)	(LRR K, L, R)
Black Hist	tic (A3) Sulfide (A4)		Thin Dark Surf						S3) (LRR K, L, R)
	Layers (A5)		Loamy Mucky Loamy Gleyed			, L)	Dark Surface (
	Below Dark Surface	(A11)	Depleted Matri				Thin Dark Surfa		
	k Surface (A12)		Redox Dark Su				Iron-Manganes	e Masses (F	12) (LRR K, L, R
Sandy Mu	iola Minoral (C1)								
	icky Mineral (S1)		Depleted Dark		()		Piedmont Floor	Iplain Soils	(F19) (MLRA 149)
Sandy Gle	eyed Matrix (S4)		Depleted Dark Redox Depres		')		Piedmont Floor Mesic Spodic (TA6) (MLRA	(F19) (MLRA 1498 144A, 145, 149B
Sandy Gle Sandy Re Stripped M	eyed Matrix (S4) dox (S5) Matrix (S6)		Redox Depress		·)		Piedmont FloorMesic Spodic (*Red Parent Ma	ΓΑ6) (MLRA terial (TF2)	144A, 145, 149B
Sandy Gle Sandy Re Stripped M	eyed Matrix (S4) dox (S5)	-RA 149B	Redox Depress)		Piedmont Floor Mesic Spodic (TA6) (MLRA terial (TF2) ark Surface	144A, 145, 149B (TF12)
Sandy Gle Sandy Re Stripped M Dark Surfa	eyed Matrix (S4) dox (S5) Matrix (S6) ace (S7) (LRR R, ML		Redox Depress	sions (F8)		disk.uk.ad	Piedmont Flood Mesic Spodic (Red Parent Ma Very Shallow D Other (Explain	TA6) (MLRA terial (TF2) ark Surface	144A, 145, 149B (TF12)
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UTG-94-7003-5.51 WERA

7/18/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

$\alpha = \alpha$.
Project/Site: MRGF City/County: Clinton Sampling Date: 7/18/
Applicant/Owner: State: N Sampling Point: SS/
Investigator(s): DECATOOTY Section, Township, Range:
Landform (hillslope, terrace, etc.): 5mail Calley Local relief (concave, convex, none):
Slope (%): Lat: Datum:
Soil Map Unit Name: NWI classification: PEN
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 Vegetation / , Soil / , or Hydrology / naturally 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 Is the Sampled Area within a Wetland? Yes No
Hydric Soil Present?
Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)
-NYSDEC MAPPER WETTON
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) Accepted Faurer (B12)
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Advantation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced 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 Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)
Field Observations:
Surface Water Present? Yes No X Depth (inches): /A
Water Table Present? Yes No _X Depth (inches):
Saturation Present? Yes X No Depth (inches): Wetland Hydrology Present? Yes No No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Booking Notice and Canada Saud (anothing men) and protecting in a saud p
Remarks:
Pholo 0017 = South AT WERLAS
Hydro Continos to COST - Ovarand 61000



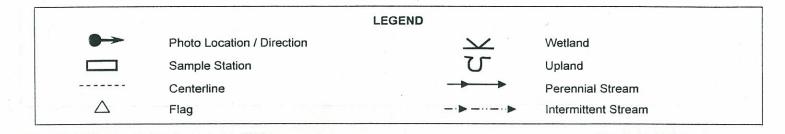
VEGETATION – Use scientific names of plan	nts.		Sampling Point: 55
Tree Stratum (Plot size:)		Oominant Indicator Species? Status	Dominance Test worksheet:
1.			Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.			Total Number of Dominant
3			Species Across All Strata: (B)
4.			Percent of Dominant Species
5.			That Are OBL, FACW, or FAC: (A/B)
6.			Prevalence Index worksheet:
7.			Total % Cover of: Multiply by:
tX	=	Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:)) - Me I		FACW species x 2 =
	Andrew Land		FACULTURE X 3 =
2			FACU species x 4 = UPL species x 5 =
3			Column Totals: (A) (B)
4		11	
5			Prevalence Index = B/A =
6			Hydrophytic Vegetation Indicators:
7			Rapid Test for Hydrophytic Vegetation
110	= 7	otal Cover	Dominance Test is >50%
Herb Stratum (Plot size:	,-	1	Prevalence Index is ≤3.0¹
1. SCIRPUS MICROCARDIS	40	OBL	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. Junes Effors	40	T FACE	Problematic Hydrophytic Vegetation ¹ (Explain)
3. CAREX UUIPINOIDEA	10	N OBL	A STATE OF THE STA
4 Esthamia GRAminiFor	GS AT	N FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. Conex Comos		N OBL	
6	ATTENDANCE.	O. M. T. D. HADNED	Definitions of Vegetation Strata:
7		7 <u>7</u>	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
9. CELL TEMPORAL WORKS	(87)	Professional India	and greater than 3.28 ft (1 m) tall.
10			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12.		. 1-1	Woody vines - All woody vines greater than 3.28 ft in
2090-3 24	120 =T	otal Cover	height.
Noody Vine Stratum (Plot size:)		i samo	
1. O. A.		3011 20012	
2.			
3.			Hydrophytic
4			Vegetation
7	= T	otal Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separat			
3			
		1000 6.2	

W75947003-551

WERM

7/18/10

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WETLAND ID/ROUTE ID:	PROJECT:
INITIALS OF DELINEATORS:	DATE: TIME:
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E L TO THE FILL OF THE PRESENCE OF THE TREE ME. L.	100 2 SSI 1 100 May 10
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56-914-7003-551 WERRY 7/18/10

Depth		to the dep	th needed to docu			or confirm	the absence	e of indica	tors.)	
The state of the s	Matrix (Calar (Caraint)			x Features		. 2	A Note-thereto 2 = 0			
(inches)	Color (moist)		Color (moist)	%	Type ¹	_Loc ²	Texture	- 11	Remarks	
12	107R4/1	00	104R 3 3	10	C	PL		2.14	5 CI	A
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'Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, CS	S=Covered	or Coate	d Sand Gra		cation: PL:	Pore Lining, N	∕I=Matrix.
Hydric Soil I	Indicators:						Indicators	for Proble	ematic Hydric	Soils3:
Histosol			Polyvalue Belov	w Surface (S8) (LRF	R,	2 cm l	Muck (A10)	(LRR K, L, MI	RA 149B)
	pipedon (A2)		MLRA 149B)						dox (A16) (LRF	
Black His			Thin Dark Surfa				5 cm l	Mucky Peat	or Peat (S3) (LRR K, L, F
Table 1	n Sulfide (A4)	1.0	Loamy Mucky N			L) -) (LRR K, L)	
	d Layers (A5)		Loamy Gleyed !				Polyva	alue Below	Surface (S8) (I	RR K, L)
	Below Dark Surface	e (A11)	X Depleted Matrix	A STATE OF THE STA					e (S9) (LRR K,	
	ark Surface (A12)	1.	Redox Dark Sur				Iron-M	langanese l	Masses (F12)	LRR K, L, I
	lucky Mineral (S1)		Depleted Dark S)				ain Soils (F19)	
	Sleyed Matrix (S4)		Redox Depressi	ions (F8)	7				6) (MLRA 144	A, 145, 149
		A					Red P	arent Mater	rial (TF2)	
Sandy R	edox (S5)									
Sandy R	edox (S5) Matrix (S6)	# DA 140B	,				Very S	Shallow Dar	k Surface (TF1	2)
Sandy R	edox (S5)	ILRA 149B)				Very S		k Surface (TF1	2)
Sandy Roman Stripped Dark Sur	dedox (S5) Matrix (S6) Matrix (S7) (LRR R, N			t ha proces	t unless	diotush ad a	Very S Other	shallow Dar (Explain in	k Surface (TF1	2)
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Sandy Rowship Rowship Restrictive Lower Depth (inc.	dedox (S5) Matrix (S6) Matrix	ion and wet		t be presen	t, unless	disturbed o	Very S Other	Shallow Dar (Explain in	k Surface (TF1 Remarks)	
Sandy Reserved	dedox (S5) Matrix (S6) Matrix	ion and wet		t be presen	t, unless	disturbed o	Very S Other	Shallow Dar (Explain in	k Surface (TF1 Remarks)	
Sandy Reserved Stripped Dark Sur Blindicators of Restrictive L Type: Depth (inc	dedox (S5) Matrix (S6) Matrix	ion and wet		t be presen	t, unless	disturbed o	Very S Other	Shallow Dar (Explain in	k Surface (TF1 Remarks)	
Sandy Reserved	dedox (S5) Matrix (S6) Matrix	ion and wet		t be presen	t, unless	disturbed o	Very S Other	Shallow Dar (Explain in	k Surface (TF1 Remarks)	
Sandy Reserved	dedox (S5) Matrix (S6) Matrix	ion and wet		t be presen	t, unless	disturbed o	Very S Other	Shallow Dar (Explain in	k Surface (TF1 Remarks)	
Sandy Reserved Stripped Dark Sur Blindicators of Restrictive L Type: Depth (inc	dedox (S5) Matrix (S6) Matrix	ion and wet		t be presen	t, unless	disturbed o	Very S Other	Shallow Dar (Explain in	k Surface (TF1 Remarks)	

WD-94-7013-552



7/18/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

m 01)=	7/2/2
Project/Site: City/Co	ounty: Charton Sampling Date: 71010
	State: Y Sampling Point:
	n, Township, Range:
Landform (hillslope, terrace, etc.): Slight 1-1.11 (1006	
Slope (%): 50 Lat: Long:	Datum:
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? You	es No (If no, explain in Remarks.)
Are Vegetation, or Hydrology significantly disturb	
Are Vegetation, soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
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.)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
The second second	777
Leads are some a very second	
(19) (19) (19) (19) (19) (19) (19) (19)	
1	
HYDROLOGY	. O'S 1,500 1,500
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odd	
Sediment Deposits (B2) Oxidized Rhizosphere	es 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	
Iron Deposits (B5) Thin Muck Surface (C	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem	
Sparsely Vegetated Concave Surface (B8) Field Observations:	FAC-Neutral Test (D5)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
A	
Remarks:	
MODES IN SECTION OF THE PROPERTY OF THE PROPER	light from the second of the s
x	
	The state of the s
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VEGETATION – Use scientific names of plants.

7/8/10

Sapling/Shrub Stratum (Plot size:	4		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: (A) (B) Prevalence Index worksheet:
Rapid Test for Hydrophytic Vegetation Dominance Test is >50% Prevalence Index is \$3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree — Woody plants as 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 3.28 ft 1m) tall. Herb — All herbaceous (non-woody) plants, regardless of size, and woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Woody Vine Stratum (Plot size:) Fread	1	Charles and Charles Arens	FACW species x 2 = FAC species x 3 = FACU species x 4 = UPL species x 5 = Column Totals: (A)
3	Herb Stratum (Plot size: 5/2) 1. Soliopese Canadensis 2. Vicia Cracca 3. Phieum Pratense 4. Callium Mollubo 5. Cotus Corniculatus 6. Soliopese Altissima 7. Hypericum Perforatum 8. 9. 10. 11. 12. 2510-> 20 Woody Vine Stratum (Plot size:)	= Total Cover ITS // FACU ZS T UDUX XS N FACU IS N UDL IS N FACU TO Y FACU TO N UDL TO Y FACU	Rapid Test for Hydrophytic Vegetation Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in
× 1102 11021	3		Vegetation

W76-94-4003-552

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		Sampling Point:
rofile Description: (Describe to the d	epth needed to document the indicator or confirm	n the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture Remarks
1D 104R413		(Upmy SAN)
	_	
1 be		
<u> </u>		
		·
	_	
	M=Reduced Matrix, CS=Covered or Coated Sand Gr	
ydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
_ Histosol (A1)	Polyvalue Below Surface (S8) (LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
_ Histic Epipedon (A2)	MLRA 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
_ Black Histic (A3)	Thin Dark Surface (S9) (LRR R, MLRA 149B)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R
_ Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) (LRR K, L)	Dark Surface (S7) (LRR K, L)
_ Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Polyvalue Below Surface (S8) (LRR K, L)
_ Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	Thin Dark Surface (S9) (LRR K, L)
Thick Dark Surface (A12)	Redox Dark Surface (F6)	
_ Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	Piedmont Floodplain Soils (F19) (MLRA 149
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)		Piedmont Floodplain Soils (F19) (MLRA 145Mesic Spodic (TA6) (MLRA 144A, 145, 149
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5)	Depleted Dark Surface (F7)	 Piedmont Floodplain Soils (F19) (MLRA 145 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2)
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6)	Depleted Dark Surface (F7) Redox Depressions (F8)	 Piedmont Floodplain Soils (F19) (MLRA 149 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5)	Depleted Dark Surface (F7) Redox Depressions (F8)	 Piedmont Floodplain Soils (F19) (MLRA 145 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2)
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14)	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 145 Mesic Spodic (TA6) (MLRA 144A, 145, 149) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14)	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 149 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed):	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 149 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 149 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vistrictive Layer (if observed):	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 149 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type: Depth (inches):	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 144 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type: Depth (inches):	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 144 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type: Depth (inches):	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 144 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type: Depth (inches):	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 144 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type: Depth (inches):	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 144 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type: Depth (inches):	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 144 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vistrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	— Piedmont Floodplain Soils (F19) (MLRA 145, 149) — Mesic Spodic (TA6) (MLRA 144A, 145, 149) — Red Parent Material (TF2) — Very Shallow Dark Surface (TF12) — Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	— Piedmont Floodplain Soils (F19) (MLRA 145, 149) — Mesic Spodic (TA6) (MLRA 144A, 145, 149) — Red Parent Material (TF2) — Very Shallow Dark Surface (TF12) — Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type: Depth (inches):	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 149 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vistrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 149 Mesic Spodic (TA6) (MLRA 144A, 145, 149 Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	— Piedmont Floodplain Soils (F19) (MLRA 145, 149) — Mesic Spodic (TA6) (MLRA 144A, 145, 149) — Red Parent Material (TF2) — Very Shallow Dark Surface (TF12) — Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	— Piedmont Floodplain Soils (F19) (MLRA 145, 149) — Mesic Spodic (TA6) (MLRA 144A, 145, 149) — Red Parent Material (TF2) — Very Shallow Dark Surface (TF12) — Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 145 Mesic Spodic (TA6) (MLRA 144A, 145, 149) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 145 Mesic Spodic (TA6) (MLRA 144A, 145, 149) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 145 Mesic Spodic (TA6) (MLRA 144A, 145, 149) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 145 Mesic Spodic (TA6) (MLRA 144A, 145, 149) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 149) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 14) dicators of hydrophytic vegetation and vestrictive Layer (if observed): Type:	Depleted Dark Surface (F7) Redox Depressions (F8)	Piedmont Floodplain Soils (F19) (MLRA 149) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) or problematic.

W76-64A-SS3

MITIANS EX

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WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region
Project/Site: MRWF City/County: C/101/0 Sampling Date: 7/18/16
Applicant/Owner: MR, CCC State: MY Sampling Point: ST
Investigator(s): Decon-10079 Section, Township, Range:
Landform (hillslope, terrace, etc.): FIAT Local relief (concave, convex, none): Humada
Slope (%): Lat: Long: Datum:
Soil Map Unit Name: NWI classification: PFO4
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 Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Attach of the policing damping point rocations, transcots, important reatures, etc.
Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No
Trydric con resent:
Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)
WIGGHA Bansay Extension to least
CIDE EXTUSIN 100-104 - DEC MARGES LET
no unknow plat cultered - Companie to was
HYDROLOGY
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)
Algal Mat 0 Clust (54) Recent from Reduction in Third Soils (65) 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) FAC-Neutral Test (D5)
Field Observations:
Surface Water Present? Yes No X Depth (inches):
Water Table Present? Yes No _X Depth (inches):
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inche
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Sphannum blanker Pristo 0023=3 Wist Unoularing Topo
(100) 1000 miles
01130117)11 1000

WIG 64A-553

WEST BOIS

EGETATION – Use scientific names of plants.				Sampling Point: 00
Free Stratum (Plot size: 36)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
ARIES RAISAMEA	60	4	FAL	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
ACER RUBRUM	20	4	FAL	Secretary description of the secretary secretary
	- 1857 E			Total Number of Dominant Species Across All Strata: (B)
Company of the second of the s				Percent of Dominant Species
12 11 many and the transfer				That Are OBL, FACW, or FAC:
	1 3 6	196.1	e 1 1 1 2 1	Prevalence Index worksheet:
THE REPORT OF THE PROPERTY OF	- 08		hel	Total % Cover of: Multiply by:
16	80	= Total Cov	er	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: _/)		no lai	words the	FACW species x 2 =
BETULA POPULIFOCIA	10	4	FAC	FAC species x 3 =
ARIES RAISAMEA	20	4	FAI	FACU species x 4 =
			1770	UPL species x 5 =
				Column Totals: (A) (E
i				Prevalence Index = B/A =
· <u>· · · · · · · · · · · · · · · · · · </u>				Hydrophytic Vegetation Indicators:
Table 2 to proper and the				Rapid Test for Hydrophytic Vegetation
2090 ->6	30	= Total Cov	er	Dominance Test is >50%
lerb Stratum (Plot size:)		Total Cov	01	Prevalence Index is ≤3.01
COPTIS TRIFOCIA	5	4F	Acw	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
ACER RUBRUM	10	7	FAZ	Problematic Hydrophytic Vegetation ¹ (Explain)
MAIANTHEMOM	10	4	FAL	Control of the contro
CANADENSE		Ef El, pau	6 - 300 102	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Dry-Sesson Valer (sole 102)	-	(ELE) elle	auport nella	Definitions of Vegetation Strata:
and where a makey pare more transfer from stocks		- majauri	(thy make)	Tree – Woody plants 3 in. (7.6 cm) or more in diamet
			3441.02.07	at breast height (DBH), regardless of height.
se (Gr) Geamaranic Parts, 2023	311	udotto de o	10.0	Sapling/shrub - Woody plants less than 3 in. DBH
(LE) Predict A walls W		C 901) E	Maras Di Ci	and greater than 3.28 ft (1 m) tall.
0.		managa saki,	at ripation	Herb - All herbaceous (non-woody) plants, regardles
1				of size, and woody plants less than 3.28 ft tall.
2	_/	<u> </u>	at dueti	Woody vines – All woody vines greater than 3.28 ft in
5 7	25	Total Cove	er	height.
Voody Vine Stratum (Plot size:)			rre digs()	
019	2020	Section 2		
				Understand
				Hydrophytic Vegetation
See a first transfer of the second		Total Cov		Present? Yes No
temarks: (Include photo numbers here or on a separate st		Total Cove	21	
SPHOUND mos		31	mk	87

47664A-553

WERAS Ext.

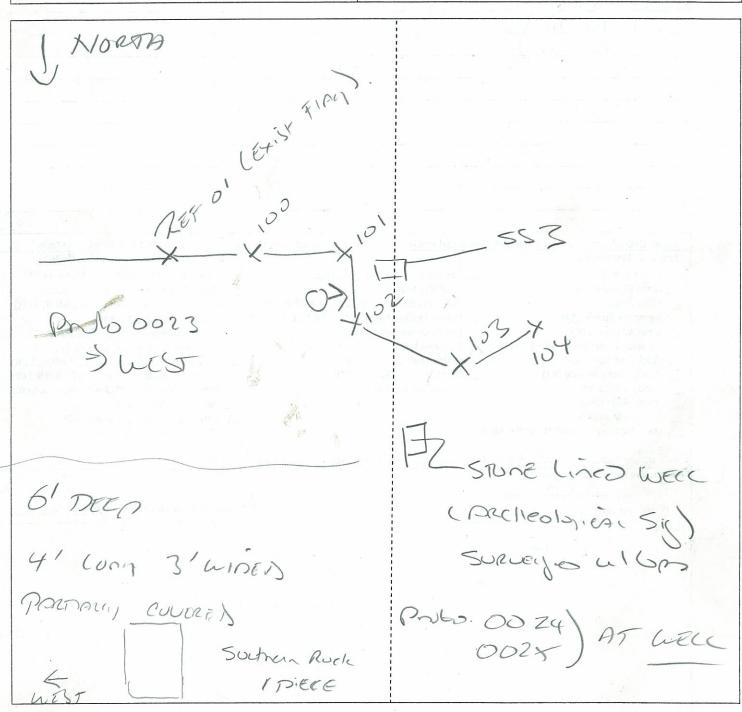
SOIL		Sampling Point: _ > > _
Profile Description: (Describe to the de	epth needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features	
1 1 1	Color (moist) % Type ¹ Loc ²	Texture Remarks
5-6 1088311 100		5:14, C/A
-17 10YR 6/1 90	7,51/R4/4 10	CIA-11
=77) tove 4/6		0101
ac man b	50 MIX	(11-)4
10-1261)		-
		- A - A - A - A - A - A - A - A - A - A
	·	
× × × × × × × × × × × × × × × × × × ×		1
	· <u> </u>	
ype: C=Concentration, D=Depletion, RM	M=Reduced Matrix, CS=Covered or Coated Sand Gra	ains. ² Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
_ Histosol (A1)	Polyvalue Below Surface (S8) (LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
_ Histic Epipedon (A2)	MLRA 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
_ Black Histic (A3)	Thin Dark Surface (S9) (LRR R, MLRA 149B)	
_ Hydrogen Sulfide (A4) _ Stratified Layers (A5)	Loamy Mucky Mineral (F1) (LRR K, L)	Dark Surface (S7) (LRR K, L)
_ Depleted Below Dark Surface (A11)	Loamy Gleyed Matrix (F2) Z Depleted Matrix (F3)	Polyvalue Below Surface (S8) (LRR K, L)
_ Thick Dark Surface (A12)	Redox Dark Surface (F6)	Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	Piedmont Floodplain Soils (F19) (MLRA 149
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	Mesic Spodic (TA6) (MLRA 144A, 145, 1498
_ Sandy Redox (S5)		Red Parent Material (TF2)
_ Stripped Matrix (S6)		Very Shallow Dark Surface (TF12)
_ Dark Surface (S7) (LRR R, MLRA 149	B)	Other (Explain in Remarks)
adiantara of budaankutia uaastatiaa aast	-11-11-1-1	
estrictive Layer (if observed):	etland hydrology must be present, unless disturbed of	or problematic.
$\sim 1 \wedge$	×.	
Type:		
Depth (inches):		Hydric Soil Present? Yes No
emarks:		

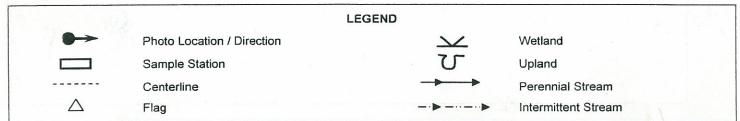
WTG-64A-553

"WETLANS (X+. 7/8/10

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID:	LOCATION:	





DRAZOA-SS3 WETCHIS EXT

7/18/10

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

pelicant/Owner: State: Sampling Point: Serestigator(s): Sampling Point: Serestigator(s): Section, Township, Range: Local relief (concave, convex, none): Local relief (concave, convex,	Project/Site: Cit	ty/County: Sampling Date: - 18
Section, Township, Range: Local relief (concave, convex, none): Deturn: NWI classification:		선물하다. 그렇게 말하는데 나가 그는 이 아이는 그들이 아니다 아니는 아니는 아이는 생생님이 되었다. 그 그들은 것은 사람이 없는 사람이 없는데 없는데 없다.
Indication (hillistope, terrace, etc.):		:
Datum: D		
Map Unit Name: NWI classification: PEAN No (If no, explain in Remarks.)		
e climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Vegetation A Soil or Hydrology I significantly disturbed? Are "Normal Circumstances" present? Yes No or Hydrology I naturally problematic? UMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, ethydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No within a Wetland? Yes No If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) PEROLOGY Vetland Hydrology Indicators: Verland Hydrology Indicator		NWI classification: PEA
e Vegetation	V	
Attach site map showing sampling point locations, transects, important features, et hydrophylic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No If yes, optional Wetland Site ID: Permarks: (Explain alternative procedures here or in a separate report.) PERMARKS: (Explain alternative procedures here or in a separate report.) PROCOCCO WOTHER ALL PRADARS PROCOCCO WOTHER ALL PROCOCCO WOTHER WITH ALL PRADARS PROCOCCO WOTHER ALL PROCOCCO WOTHER WITH ALL		
Acquired Pydrophylic Vegetation Present? Yes No Welland Hydrology Present? Yes No Femarks: (Explain alternative procedures here or in a separate report.) PERMERIAN (Explain alternative procedures here or in a separate report.) PROCOCCO WOTHER ACT OF STATE OF S	re Vegetation, Soil, or Hydrology naturally proble	ematic? (If needed, explain any answers in Remarks.)
within a Wetland? Yes No within a Wetland? Yes	UMMARY OF FINDINGS – Attach site map showing s	ampling point locations, transects, important features, et
Wetland Hydrology Present? Yes X No	Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Remarks: (Explain alternative procedures here or in a separate report.) PERCUCTO WORDLOGY VOROLOGY VOROLOGY VOROLOGY Vestiand Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) Surface Water (A2) Aquatic Fauna (B13) Water Table (A2) Water Marks (B1) Water Marks (B1) Presence of Reduced fron (C4) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) In Deposits (B5) In Deposits	Hydric Soil Present? Yes No	within a Wetland? Yes No No
PEROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of two required: check all that apply) Surface Water (A1) Water-Stained Leaves (B9) Water Table (A2) Water Marks (B1) Dirill Season Water Table (C2) Drift Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Iron Deposits (B4) Iron Deposits (B4) Iron Deposits (B5) Drift Deposits (B5) Drift Deposits (B5) Drift Deposits (B6) Water Stained Leaves (B9) Drift Deposits (B2) Drift Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Inundation Visible on Aerial Imagery Weter Table Present? Yes No Depth (inches): Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Do Q 27 No AT PSS POWEET OU Q 37 No AT PSS POWEET OU Q 37 No AT South CAD V6 WETABLE (1,2 2 113)	Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Verland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) Wigh Water Table (A2) Aquatic Fauna (B13) Water Stained Leaves (B9) Water Stained Leaves (B9) Water Stained Leaves (B9) Water Table (A2) Aquatic Fauna (B13) Water Stained Leaves (B9) Water Stained Leaves (B9) Water Stained Leaves (B9) Water Stained Leaves (B9) Water Marks (B16) Water Marks (B16) Water Marks (B1) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) Thir Muck Surface (C7) Water Table (C2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Inches (Inches): Wetland Hydrology Inche		(720 A 4 p2920 A(B)
Vetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Water Stained Leaves (B9) High Water Table (A2) Water Marks (B1) Water Marks (B1) Sediment Deposits (B2) Drif Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Surface Water (A1) Wetland Hydrology Rulifide Odor (C1) Algal Mat or Crust (B4) Iron Deposits (B5) Iron Deposits (B5) Surface Water Present? Yes No Depth (inches): Water Table (A2) Wetland Hydrology Rulifide Odor (C1) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Wetland Hydrology Present? (Ps) Wetland Hydrology Present? (Ps) Wetland Hydrology Present? (Ps) No Depth (inches): Wetland Hydrology Present? (Ps) No Depth (inches): Wetland Hydrology Present? (Ps) No Depth (inches): Wetland Hydrology Present? (Ps) No Remarks: Remarks:	17-1K-12DH-108-3 121	A Company of the Comp
Surface Water (A1)	Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required
High Water Table (A2) Aquatic Fauna (B13) Marl Deposits (B15) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Water Present? Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches):	Primary Indicators (minimum of one is required; check all that apply)	The state of the s
Marl Deposits (B15)		aves (B9) Drainage Patterns (B10)
Water Marks (B1)		
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Surface Water Present? Ves No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Social Redized		
		A TOTAL CONTRACTOR OF THE PROPERTY OF THE PROP
Iron Deposits (B5)	1984년 1일 : 1985년 - 198	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5)		ction in Tilled Soils (C6) Geomorphic Position (D2)
Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Ves		
Surface Water Present? Yes No Depth (inches): 1/A Water Table Present? Yes No Depth (inches): 4// Water Table Present? Yes No		
Vater Table Present? Yes X No Depth (inches): 4// Saturation Present? Wetland Hydrology Present? Yes No Depth (inches): 4// Wetland Hydrology Present? Yes No Depth (inches): 4// Saturation Present? No Depth (inches): 4// Wetland Hydrology Present? Yes No Depth (inches): 4// Wetland Hydrology Present? Yes X No Depth (inches): 4// Wetland Hydrology Present? Yes X No Depth (inches): 4// Wetland Hydrology Present? Yes X No Depth (inches): 4// No Depth (inches): 4// Wetland Hydrology Present? Yes X	Field Observations:	FAC-Neutral Test (D5)
Saturation Present? Yes X No Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Remarks: OO 26 -> NW FROW - 101 AT SS1 OO 27 -> NW AT PSS POLET OO 28 -> NW AT SOUN CAS OF WET (112 2 113)	Surface Water Present? Yes No Depth (inches): _	DIA
Remarks: OO 26 -> NW FROW - 101 AT SS1 OO 27 -> NW AT SOUN CAS POLET OO 28 -> N AT SOUN CAS OG WET (112 2 113)	Water Table Present? Yes No Depth (inches): _	4'11
Remarks: Remarks: OO 26 -> NW FROW - 101 AT 551 OO 27 -> NW AT PSS POKET OO 28 -> N AT 504n CN O 6 WET (112 2 113)		Wetland Hydrology Present? Yes No
Pholo 0026 -> NW FROM - 101 AT SSI 0027 -> NW AT PSS POCKET 0028 -> N AT SOUTH END 06 WET (112:113)		previous inspections), if available:
Pholo 0026 -> NW FROM - 101 AT SSI 0027 -> NW AT PSS POCKET 0028 -> N AT SOUTH END 06 WET (112:113)		
0027 -> NOW AT PSS POCKET 0028 -> N AT South END 06 WET (112:113)	Remarks:	
0027 -> NOW AT PSS POCKET 0028 -> N AT South END 06 WET (112:113)	The state of the s	
00 27 -> NOW AT PSS POCKET 00 28 -> N AT South END 06 WET (112 : 113)	Mo ouls -> NW FR	W-101 AT SSI
00 28 -> N AT South END 06 WET (112 2113)		
00 29 -) NW AT CULERT Brun 107: 1073	200	
17 Colober brun 107: 1073	00 29 -1 111 2-	South 513 % and (/12 8 113)
	1 3 NW AT	Culotter brun 107: 1073

VEGETATION – Use scientific names of plants.

7/18/10

522

				Sumpling Found
Tree Stratum (Plot size:)	Absolute		nt Indicator	Dominance Test worksheet:
and the second s		Species	? Status	Number of Dominant Species
1 Ulmus AMERICANA	1	4	FACU	That Are OBL, FACW, or FAC: (A)
2.				and the state of t
A CHARLES AND A CHARLES NEWYORK OF THE OWNER	as Imprak			Total Number of Dominant
3	V _485.5	120		Species Across All Strata: (B)
4				Percent of Dominant Species
E TODIES CONTRACTOR		121-	1	That Are OBL, FACW, or FAC: (A/B)
5.	71 - 1 2 1	96 7 7195	71. IES. P. C.	molecularity and the engineering area and a second as the
6		4		Prevalence Index worksheet:
7.				
The other couplings and a second second second		1217,910,010	C vita Barra	Total % Cover of: Multiply by:
	7	= Total C	over	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:)		Time (g		FACW species x 2 =
15Amburus CAMADENSIS	10	4	Fac:	FAC species x 3 =
		4	FALL	FACU species x 4 =
2. SPIRABA CATIFOLIA	10	7	MC	
3. SACIY SERICEA	5	7	MIL	UPL species x 5 =
1		100	na ateasona	Column Totals: (A) (B)
4.				
5	14			Prevalence Index = B/A =
6.				Hydrophytic Vegetation Indicators:
	J- (\	7 1000		Rapid Test for Hydrophytic Vegetation
7.	7/			
700 >5 10	63	= Total Co	over	Dominance Test is >50%
Herb Stratum (Plot size:				Prevalence Index is ≤3.0¹
the second control of	7	1/	Ta.)	Morphological Adaptations ¹ (Provide supporting
I IMPATIENS CAPENSIS	10	- 1	TACO	data in Remarks or on a separate sheet)
2. Onociea sensibilis	78	4	TACW	Problematic Hydrophytic Vegetation ¹ (Explain)
3. JUNCUS EHLUS	75	4	TACIO	
20:20:6	2	20010 15	TICL	¹ Indicators of hydric soil and wetland hydrology must
4 DUILLOS INICROCALAUS	20	N	0166	be present, unless disturbed or problematic.
5. SPIRCA LATPOLIA	5	N	FAC	A STANDARD AND A STAN
6 CAREX LURIDA		11	m.	Definitions of Vegetation Strata:
The state of the s	2	<u>N</u>	000	Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7. GEVM CANADENSE	5	N	FACO	at breast height (DBH), regardless of height.
8 15 JBUS 50,	5	N	A no Laboratio	A COLOR AND THE STATE OF THE ST
9. 7. / 1/ / pip) A salure		Ligachi	i Partin Market	Sapling/shrub – Woody plants less than 3 in. DBH
Security of Addisonal American Control of the Contr		993 (0.1)	70 7 7 7 7 7 7 7	and greater than 3.28 ft (1 m) tall.
10. 47/				Herb - All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
12.		/ N		We's dearly and the second sec
	1 500	1	STREET TO SERVE	Woody vines – All woody vines greater than 3.28 ft in height.
2090 -> 22	110	= Total Co	over	The Act Characterial Investor
Woody Vine Stratum (Plot size:)			Deet (inche	all for the sum of contact
1010				the state of the s
1.111	A. T. SUO	SPIR SUID	10 15, 37 10	RESIDENTIAL MARKET CHESTER THE LANGUE MARKET TO THE SECOND OF THE SECOND
2				
3				
				Hydrophytic Vegetation
4.				Present? Yes No No
	V K S 30	= Total Co	over	1 (C) (C
Remarks: (Include photo numbers here or on a separate s	sheet.)			
				V 7 - 3 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5
1(7) 100 ; 6/4(ERIA.	(1/05)	me	210-1	in omen sonzy but
,,,,,	000016		PINA	n since place of the
+ Small stand of 755 (<11.	1	lenk	
0/-3	01116	4 6	HIK WI	11 oce)

SOIL								Sampling Point:	77 -
		to the dept				or confirm	n the absence of indica	ators.)	
Depth (inches)	Color (moist)	%	Redo Color (moist)	x Features %	Type ¹	Loc ²	Touture	LEN DORAGE CIR.	
	10YR 2/1			15	TAPE	PI	Texture	Remarks	-1 381
0-10	10(11 011	95	104841P	- < 3		- [SILT	(HEAVY	
									J
		- 4	- 1 T	· ——					
			1 1						
	7								
	- 524 16	-						The state of the s	
Total and									
	<u> </u>			- (- 1
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1800 ·	7 7 7 7 9		T		-	-			46
		<u> </u>					Notice The Control of		
(E) The second	1A VE								
			, V . 1						
7 - 38	(180) (184)		12/						
Type: C=Co	oncentration, D=Dep	letion, RM=I	Reduced Matrix, CS	=Covered	or Coate	ed Sand Gra	ains. ² Location: PL	=Pore Lining, M=M	atrix.
lydric Soil I							Indicators for Problem	ematic Hydric Soil	ls³:
_ Histosol	Dalla Carte Communication Comm	_	Polyvalue Belov		S8) (LRI	RR,	2 cm Muck (A10)	(LRR K, L, MLRA	149B)
Histic Ep Black His	ipedon (A2)		MLRA 149B)				Coast Prairie Re-	dox (A16) (LRR K,	L, R)
	n Sulfide (A4) ≦\ƙ	11.+	Thin Dark Surfa					t or Peat (S3) (LRR	K, L, R)
	Layers (A5)	1001 -	Loamy Mucky M Loamy Gleyed M		(LKK K	, L)	Dark Surface (S7		1917-
	Below Dark Surface	e (A11)	Depleted Matrix				Thin Dark Surface	Surface (S8) (LRR e (S9) (LRR K, L)	K, L)
Or other business of the second secon	rk Surface (A12)	_	Redox Dark Sur					Masses (F12) (LRF	KIR
_ Sandy M	ucky Mineral (S1)		Depleted Dark S) 💉		Piedmont Floodp	lain Soils (F19) (ML	-RA 149E
	leyed Matrix (S4)	- (- 1 -	Redox Depressi	ons (F8)			Mesic Spodic (TA	46) (MLRA 144A, 1	
	edox (S5)						Red Parent Mate		
	Matrix (S6) face (S7) (LRR R, N	II DA 140D\						rk Surface (TF12)	
_ Dark Sur	lace (37) (LKK K, II	ILKA 1490)					Other (Explain in	Remarks)	
ndicators of	hydrophytic vegetat	ion and wetl	and hydrology must	be preser	t unless	disturbed of	or problematic		
estrictive L	ayer (if observed):		7 ()	75 p. 555.	., 4111000	, diotarboa (or problematic.		
Type:	MEDRO	K		-41					
Depth (inc	hes):	112				¥.,	Hydric Soil Present?	Yes N	_
emarks:	1						Try and don't resent	163	
marko.		AND THE REAL PROPERTY.	i						
		19 9							
		AND THE							
0									
							2 S		
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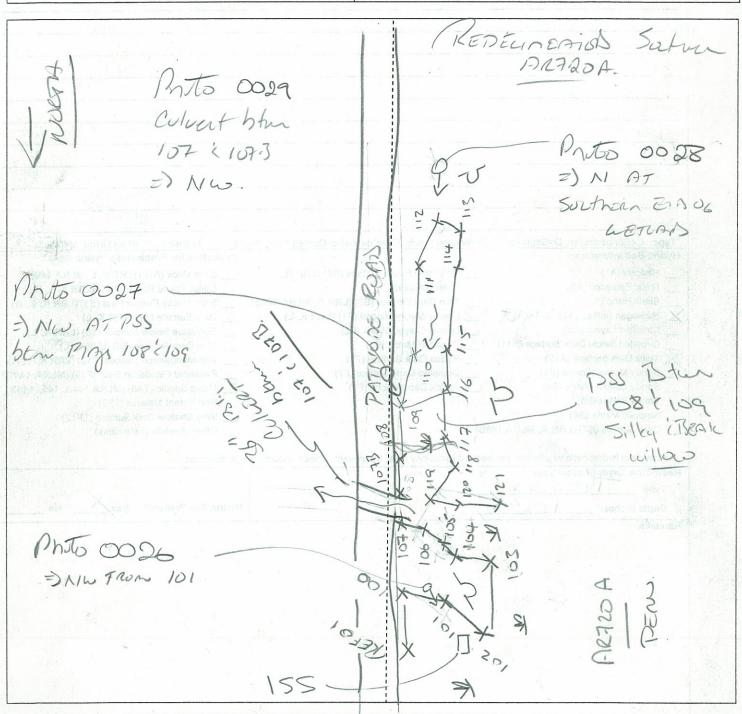
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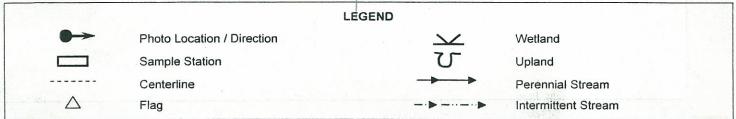
WI

7/18/10

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	direct direct
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID:	LOCATION:	





PR41A-SS3 EXT

work

7/19/10

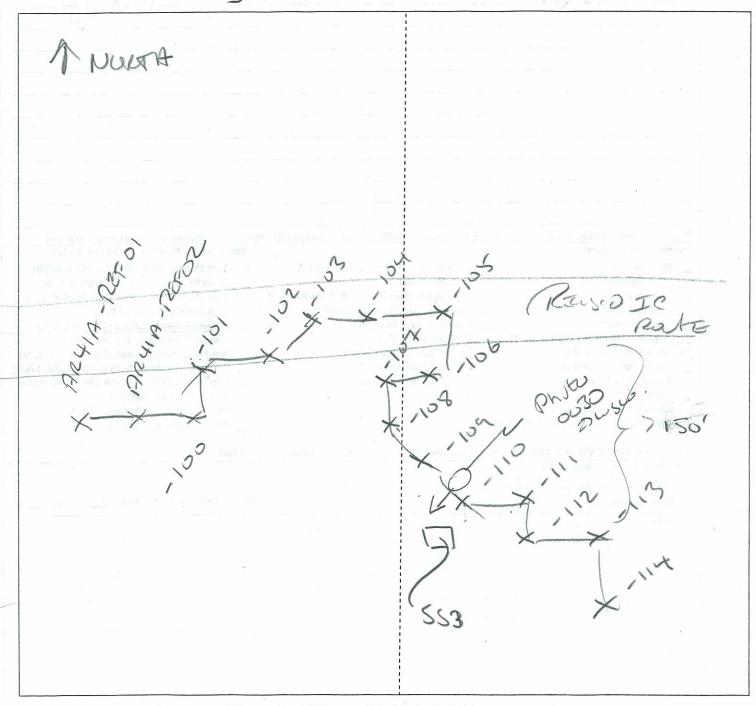
WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region
Project/Site: MRGF City/County: Clotton Sampling Date: 71191
Applicant/Owner: NR, CCC State: N7 Sampling Point: 55
Investigator(s): Section, Township, Range:
Landform (hillslope, terrace, etc.): RECATIFELY FIAT Local relief (concave, convex, none):
Slope (%): Lat: Long: Datum:
Soil Map Unit Name: NWI classification: PSS PSW
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, or Hydrology significantly disturbed?
Are Vegetation, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
Source Inc.
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)
FIR41A Line Extension FIR41A
mmas NWI ? DEC WET. (100-114)
HYDROLOGY
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)
- 100 All 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Inundation Visible on Aerial Imagery (B7)
Field Observations:
Surface Water Present? Yes X No Depth (inches): Z' TO DEPTH (DEPTH OF THE STATE OF
Water Table Present? Yes No Depth (inches):
Saturation Present? Yes X No Depth (inches): Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
phto 0030 =) WSW AT -110
Spagnum mun; unsulas TUPS

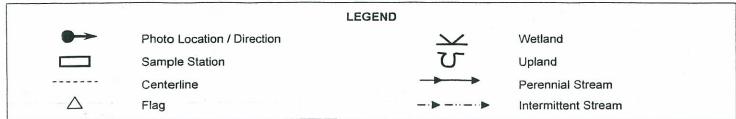
VEGETATION -	- Use scient	tific name:	s of plants				Sa	ampling Point	58	5)
		-		 	 	 				

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Indicator Species? Status	Dominance Test worksheet:
T00.00 0 000 0		1	Number of Dominant Species
	15	FACU	That Are OBL, FACW, or FAC:(A)
2. HCER KUBRUM 3.	12	TFAC	Total Number of Dominant Species Across All Strata: (B)
4.		pro.	the same record are the same of the same o
5			Percent of Dominant Species That Are OBL, FACW, or FAC:
6.		TV sain TT TT TT TT	Prevalence Index worksheet:
7.			Total % Cover of: Multiply by:
7090->4	70	= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:		amse grite i is a s	FACW species x 2 =
1. FRAXIOUS PENOSYLVANICA	10	T FACE	FAC species x 3 =
	4	FACUS	FACU species x 4 =
2. AINOS RUGOSADE COME	10	1 raco	UPL species x 5 =
3. :C: wi@ConsiteWises	ostuo aks		Column Totals: (A) (B)
4		(Noge : Mailinger)	(A)
5		40 270	Prevalence Index = B/A =
6			Hydrophytic Vegetation Indicators:
7			Rapid Test for Hydrophytic Vegetation
7090710	577		Dominance Test is >50%
	30	= Total Cover	Prevalence Index is ≤3.0¹
Herb Stratum (Plot size:)	OS	T FACED	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2 IMPATIENS CAPENSIS	SVO	T FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
3. ASTER SO	10	- Inco	Troblematic Hydrophytic Vegetation (Explain)
	10	1/	¹ Indicators of hydric soil and wetland hydrology must
4 COPTIS TRIFOCIA	20	Y FALLO	be present, unless disturbed or problematic.
5. The Case elect years neared and the case of Case electrons and the case of Case electrons are case of Case electrons and the case of Case electrons are case of Case electrons and the case of Case electrons are case of Case electrons and the case electrons are case electrons are case electrons and the case electrons are case electrons ar	- 1701	Ward Demosts (B16)	Definitions of Vegetation Strata:
6.	NAME OF TAXABLE PARTY.		Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7		<u> </u>	at breast height (DBH), regardless of height.
8. (SG) noises sing amose (SG) is less	e halfi n	TUME ALL PERS	Sapling/shrub – Woody plants less than 3 in. DBH
9. (Billy summittee walls 12		(3) evint or read that	and greater than 3.28 ft (1 m) tall.
10			Herb – All herbaceous (non-woody) plants, regardless
11	1		of size, and woody plants less than 3.28 ft tall.
12		Sistemani desti	Woody vines – All woody vines greater than 3.28 ft in
2090716	80	= Total Cover	height.
Woody Vine Stratum (Plot size:)		- Total Gover	other services Constant and S
1 O I A			(epon) p flines lebus of
1 / 1/4	Mich and	1 -500 (ACTOR) 12 (UE) 15	reger from Care in graph of the reger to the state of the
2			
3			Hydrophytic
4			Vegetation Present? Yes No
	=	= Total Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate sh	eet.)		
	<u></u>		
			1
			*
*	9		

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:			
INITIALS OF DELINEATORS:	DATE:	TIME:		
PHOTO ID: 0070 = 1,2510	LOCATION:			





PR41A-553 EXT WETCHS

7/19/10

SOIL			2m.				Sampling Point	: 28
Profile Desc	cription: (Describe to the	depth needed to docu	ment the indicator	or confirm	the absence			
Depth	Matrix	Redo	x Features					
(inches)	Color (moist) %	Color (moist)	% Type ¹	_Loc ²	Texture		Remarks	
0-8	104R SII			Application of the same		Silt	n 0/0	27
8-17	1040 512	- V (F H)		15 51		10	1.000	7
)(2	BUCK	1
			· 			-		<u></u>
							* 0	34
	- <u>- </u>							
						-		
			· —— ——					
			·				1	
								1
¹ Type: C=Co	oncentration, D=Depletion,	RM=Reduced Matrix, CS	=Covered or Coate	d Sand Gra		ation: PL=	Pore Lining, M	1=Matrix.
Hydric Soil I							matic Hydric	
— Histosol	(A1) ipedon (A2)		v Surface (S8) (LRF	RR,	2 cm N	luck (A10)	(LRR K, L, ML	RA 149B)
Black His		MLRA 149B) Thin Dark Surfa	ce (S9) (LRR R, MI	RA 149R)			ox (A16) (LRR or Peat (S3) (L	
	n Sulfide (A4)		lineral (F1) (LRR K				(LRR K, L)	-RR K, L, K)
	Layers (A5)	Loamy Gleyed N	Matrix (F2)	Ş. (.			Surface (S8) (L	RR K, L)
	Below Dark Surface (A11)			1	Thin Da	ark Surface	(S9) (LRR K,	L)
	rk Surface (A12) ucky Mineral (S1)	Redox Dark Sur Depleted Dark S			Iron-Ma	anganese N	Masses (F12) (LRR K, L, R)
	leyed Matrix (S4)	Redox Depressi			Mesic 9	Spodic (TA)	ain Soils (F19) 6) (MIRA 144)	(MLRA 149B) A, 145, 149B)
The state of the s	edox (S5)				Red Pa	rent Materi	al (TF2)	-, 143, 143B)
	Matrix (S6)	9,4			Very SI	hallow Dark	Surface (TF1	2)
Dark Sun	face (S7) (LRR R, MLRA 1	49B)			Other (Explain in F	Remarks)	
3Indicators of	hydrophytic vegetation and	I wetland hydrology must	be present, unless	disturbed o	r problematic			
Restrictive L	ayer (if observed):	4 C- C			- problemane.		***	
Туре:	800000011	stry					\	
Depth (incl	nes):	- P			Hydric Soil I	Present?	Yes	No
Remarks:						-		
								4
					, é		11.7	
			1					
								1
							A. S.	Jerry en
							-	7
								1-88%

IC 7005-851

werrans.

7/19/10

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: MRG T City/County: Clinton Sampling Date: 7/19/
Applicant/Owner: State: N 7 _ Sampling Point: State: N 7 _ Sampling Point: State:
Investigator(s): DELAHUNTY Section, Township, Range:
Landform (hillslope, terrace, etc.): Sign to Superto Local relief (concave, convex, none):
Slope (%):
Soil Map Unit Name: NWI classification: PSPE
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are VegetationX_/, SoilX_/, or Hydrology significantly disturbed?
Are Vegetation , soil , or Hydrology naturally 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 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.)
PSSPPEN open poly to wast (1-12)
WILL DEC MADREN WERAND NOT
HYDROLOGY TO THE PARTY OF THE P
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) in Charles Water-Stained Leaves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced 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 Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5)
Field Observations:
Surface Water Present? Yes X No X Depth (inches): Only Control of
Water Table Present? Yes No Depth (inches):
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Ando 31 => N or pen corput in snow while + will
TO PM -3
Froys
32 DE NURT SSI From som notive trail
33 >> S AT Sown mihil trail

IC7005-551

WERAS

VEGETATION – Use scientific names of plants.

Sampling Point: SS1

Tree Stratum (Plot size: 30 / C)	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
1. ACER RUBRUM	10 FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. CHMOS AMERICANA	Print Control of the	Total Number of Dominant
3 SECONDARY AND	real of attach	Species Across All Strata: (B)
4.	pribl	Percent of Dominant Species
5.		That Are OBL, FACW, or FAC: \OO \o (A/B)
6		Prevalence Index worksheet:
	1945 Section Video Single	Total % Cover of: Multiply by:
7. 2090 > 5	25 = Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:		FACW species x 2 =
1. Alnus RUGOSA	75 T FACW	FAC species x 3 =
2		FACU species x 4 =
3		UPL species x 5 =
		Column Totals: (A) (B)
4		Prevalence Index = B/A =
5.		
		Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
7	7-	Dominance Test is >50%
510	= Total Cover	Prevalence Index is ≤3.01
Herb Stratum (Plot size:	40 T FACO	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. CAITHA PACOSTRIS	IS NOBL	Problematic Hydrophytic Vegetation ¹ (Explain)
3. 501,DAGO 20505A	10 M FAC	State of the second state of the second second second
4. ASTER SP.	70 7	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5 side finally nocease yet	(o) sianos0 na	Definitions of Vegetation Strata:
6	desgen Schön Odor (C1.	The state of the s
7	- (1013a 1013ags - Hoesing	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8. <u>* z connesso Salta a resista (a.)</u>	on at to 15 <u>up in 131an i as 1</u>	Sapling/shrub – Woody plants less than 3 in. DBH
9. CO bas A waters	harmon en	and greater than 3.28 ft (1 m) tall.
10	8 (2015/09/10/01/11/45) 16/0	Herb – All herbaceous (non-woody) plants, regardless
11,		of size, and woody plants less than 3.28 ft tall.
12.	y sa mes	Woody vines – All woody vines greater than 3.28 ft in
2090 -> 17	Total Cover	height.
Woody Vine Stratum (Plot size:		ON SERVICE MINISTER MANAGEMENT
1.0		colodes of splant the search of the search of the
2		
3.		Hydrophytic
4	(-	Vegetation
The state of the s	= Total Cover	Present? Yes No
Remarks: (Include photo numbers here or on a separate	sheet.)	
Camail Reg cara S	OK+ RUL 1231)	Un Taluer.
	7,50	
Compile, Read cong so	1.55	0.00
spen white treas		
She ronica	* ACTED S	and less to

IC7205-551



Fralio

SOIL			Sampling Point:
Profile Descrip	tion: (Describe to the	depth needed to document the indicator or confi	rm the absence of indicators.)
Depth	Matrix	Redox Features	WEST CARS TO BUS
(inches)	Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture Remarks
0-10	042311		Siltacla
	* = -	. 7 7 7	
ROSE CONTRACTOR			
			
		<u> </u>	
¹Tunas C=Canas	entration D-Deplation F	2M-Paduard Matrix, CC-Coursed as Control Court	21
Hydric Soil Indi		RM=Reduced Matrix, CS=Covered or Coated Sand (Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
Histosol (A1		Polyvalue Below Surface (S8) (LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Epipe		MLRA 149B)	Coast Prairie Redox (A16) (LRR K, L, MLRA 149B)
Black Histic		Thin Dark Surface (S9) (LRR R, MLRA 149	
Hydrogen S		Loamy Mucky Mineral (F1) (LRR K, L)	Dark Surface (S7) (LRR K, L)
Stratified La		Loamy Gleyed Matrix (F2)	Polyvalue Below Surface (S8) (LRR K, L)
	elow Dark Surface (A11)	Depleted Matrix (F3)	Thin Dark Surface (S9) (LRR K, L)
Thick Dark S		Redox Dark Surface (F6)	Iron-Manganese Masses (F12) (LRR K, L, R)
	ky Mineral (S1) ed Matrix (S4)	Depleted Dark Surface (F7)	Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Redo		Redox Depressions (F8)	Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (TF2)
Stripped Ma			Very Shallow Dark Surface (TF12)
	e (S7) (LRR R, MLRA 1	49B)	Other (Explain in Remarks)
- 11	31		R. L.
		wetland hydrology must be present, unless disturbe	ed or problematic.
Restrictive Laye	./~./.		The state of the s
Type:	KOCKY	<u> </u>	
Depth (inches	s): / 0	A SAME	Hydric Soil Present? Yes No
Remarks:		1000	
	. 10		
.10,100 -	40		
			and the second of the second o
			and the second s
			to and the control of
			The second secon
			pality all all and a second
	*	A second	

SKETCH FORM

WET LAND ID/ROUTE ID:

INITIALS OF DELINEATORS:

DATE:

TIME:

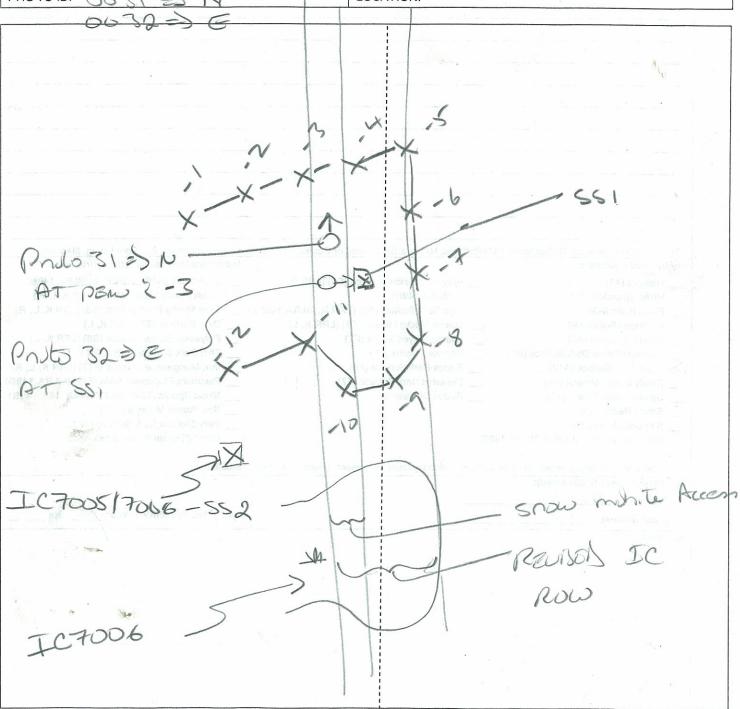
PHOTO ID:

OG 30 -> G

SKETCH FORM

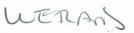
PROJECT:

LOCATION:



				7	
		LEGEND			
●→	Photo Location / Direction			Wetland	
	Sample Station		\mathcal{T}	Upland	
	Centerline		-	Perennial Stream	
\triangle	Flag			Intermittent Stream	





7/19/10

Project/Site:		City/County:	Sampling Date:
12	R. (10	Sity/County:	State: Sampling Date:
	BHUNTH	Section, Towns	그렇게 그 이번 하는 그들이 되었다면 그는 사람들은 아이를 가면 없다면 다른 사람들이 되었다.
andform (hillslope, terrace, e	4 Kulub + Klha		
/			al relief (concave, convex, none):
Slope (%): Lat:	- 1 (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Long:	Datum:
Soil Map Unit Name:			NWI classification: PFO 1/PS (
re climatic / hydrologic condi	N /	s time of year? Yes	No (If no, explain in Remarks.)
re Vegetation, Soil	$/\!$	significantly disturbed?	Are "Normal Circumstances" present? Yes N
are Vegetation/_, Soil /	, or Hydrology _/ _/ r	naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDIN	3S – Attach site map	showing sampling p	point locations, transects, important feature
Hydrophytic Vegetation Pres	ent? Yes N	10	ampled Area
Hydric Soil Present?		10	Wetland? Yes No No
Wetland Hydrology Present?			ptional Wetland Site ID:
Remarks: (Explain alternative	e procedures here or in a sep	parate report.)	and the second s
IC took	- (1-1	S) On a	n to hat
a le mathal m		, -,	*
		(A	
JEE Che	T WAND	Jues .	OFFILL DECLOS
Consquere T	5 NUT non	non	(PPOTTPS) TELL
IYDROLOĞY	sid Mayor to 1 mg	soft "The second	A Section of Contraction
Wetland Hydrology Indicat	ors:		Secondary Indicators (minimum of two req
Primary Indicators (minimum	of one is required; check all	that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	∑ Wat	ter-Stained Leaves (B9)	∠ Drainage Patterns (B10)
High Water Table (A2)	Aqu	uatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Mar	1 Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)		frogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)		dized Rhizospheres on Livin	
Drift Deposits (B3)		sence of Reduced Iron (C4)	Septiment of the control of the cont
Algal Mat or Crust (B4)	11(32)(3)	cent Iron Reduction in Tilled	
D (DE)	Inir	n Muck Surface (C7)	Shallow Aquitard (D3)
Iron Deposits (B5)	the first of the f	or (Evolain in Domarka)	Microtonomontio Delief (DA)
Inundation Visible on Ac	rial Imagery (B7) Other	er (Explain in Remarks)	Microtopographic Relief (D4)
Inundation Visible on Ae Sparsely Vegetated Cor	rial Imagery (B7) Other	er (Explain in Remarks)	Microtopographic Relief (D4) FAC-Neutral Test (D5)
Inundation Visible on Ae Sparsely Vegetated Cor Field Observations:	rial Imagery (B7) Other		
Inundation Visible on Ae Sparsely Vegetated Cor Field Observations: Surface Water Present?	rial Imagery (B7) Other cave Surface (B8)	pth (inches):	
Inundation Visible on Ae Sparsely Vegetated Cor	rial Imagery (B7) Other cave Surface (B8) Yes No De Yes No De		

VEGETATION – Use scientific names of plants	3.			Sampling Point: SS
Tree Stratum (Plot size: 331 R	Absolute % Cover	Dominan Species?	t Indicator Status	Dominance Test worksheet:
1. FRAKINUS PENNSYLVANIO		7	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. ACER ROBROM		4	FAC	
3.	E 16001			Total Number of Dominant Species Across All Strata: (B)
4.				Percent of Dominant Species Q ()
5.	M W a		rend tim	That Are OBL, FACW, or FAC: (A/B)
6	A Tito			Prevalence Index worksheet:
2010-> 8	40	Haldovi	(a)	Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15/12)	nion - no	= Total Co	ver	OBL species x 1 = FACW species x 2 =
1. AMUS RUGOSACE	70	4	FACU	FAC species x 2 =
2 FRAXINUS PENNSYLVANICA			FACIO	FACU species x 4 =
3			1 FCC	UPL species x 5 =
4				Column Totals: (A) (B)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7.				Rapid Test for Hydrophytic Vegetation
20%-> 16	80	= Total Cov	/er	Dominance Test is >50%
Herb Stratum (Plot size:)			A	Prevalence Index is ≤3.0¹
1. ON OCIE SENSIBILIS	15	1 1	FACUD	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2. AREMORENA THATIC TO INES	180	7	SOU	Problematic Hydrophytic Vegetation ¹ (Explain)
3. ASTER SP.	4500	N	tico il vato	CAL relative manufacture of the control of the cont
4. SOLIDAGO ROGOSA		4	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. FRAXINUS PEMSYLVANICA	5	N	FACW	Definitions of Vegetation Strata:
6. GRASS SP.	_ 5	N	i naponece Di come e	
	<u> </u>			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
c (Cf. Circomorates Portion (DR)	io6 boli 7	101101 (51)	1011 t at a t	Sapling/shrub - Woody plants less than 3 in. DBH
9. (6.0) Sught worth s	. 13	0.955	41 51687	and greater than 3.28 ft (1 m) tall.
10				Herb - All herbaceous (non-woody) plants, regardless
11.			-	of size, and woody plants less than 3.28 ft tall.
12	50	1051	ano Avuel	Woody vines – All woody vines greater than 3.28 ft in height.
<i>X</i>	50 =	Total Cov	er	100 A 325 Is eat Letter safety
Woody Vine Stratum (Plot size:)				
1	thurth or Author	4 12	granes Ner	
2.				
J.				Hydrophytic Vegetation
7		Total Cov		Present? Yes No
Remarks: (Include photo numbers here or on a separate s		Total Cov	ei	
Young To PW	non	t) (SOT
more Ro To a	CST			
* not listely				
				Land Control of the C

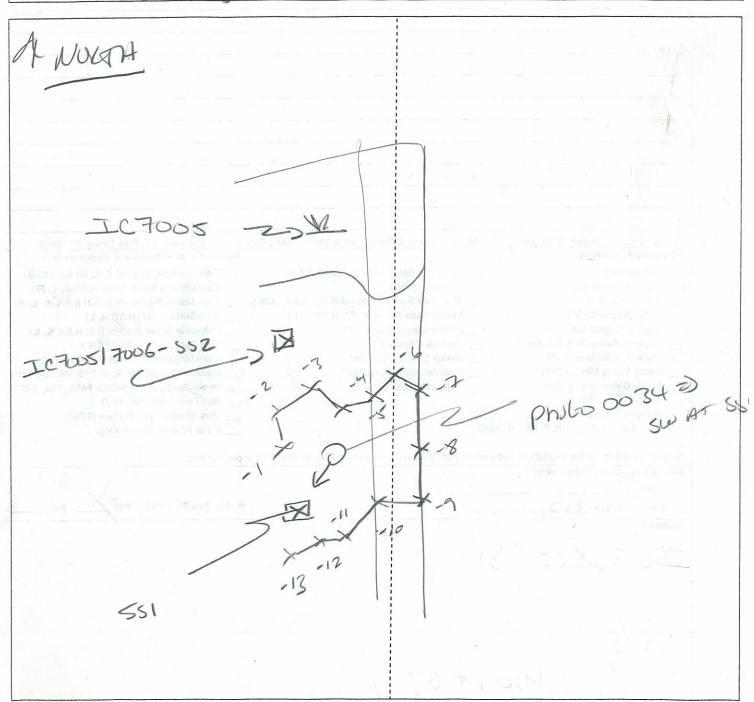


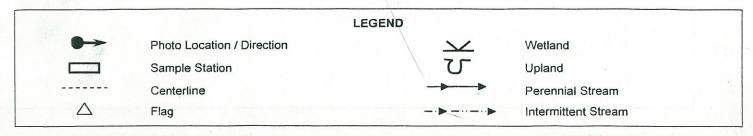
7/19/10

OIL				1			Sampling Point:	13
	and the second	to the dept			icator or confir	m the absence of i	ndicators.)	
Depth _ (inches) _	Matrix Color (moist)	%	Color (moist)	dox Features %	Type ¹ Loc ²	-	TOTAL PROPERTY OF ALL	
-0 10	~ 41 ? I	a	01	70	Type' Loc ²	Texture	Remarks	. 1074
, 0 10	D 16211	-13	Due SI3	-5-			Silty C)(ra
101	04/24/2					the same of the same	5:1501	11
		A STATE OF THE PARTY OF THE PAR						6
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							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
ype: C=Cond	centration, D=Deple	etion, RM=F	Reduced Matrix, C	S=Covered or	Coated Sand G	rains. ² l ocation	n: PL=Pore Lining, M=Matri	iv
ydric Soil Ind	licators:						Problematic Hydric Soils ³ :	:
_ Histosol (A	1	_	Polyvalue Belo	w Surface (S8) (LRR R,		(A10) (LRR K, L, MLRA 14	
_ Histic Epipe			MLRA 149B	,		Coast Prairi	e Redox (A16) (LRR K, L,	R)
_ Black Histic		k			R, MLRA 149B) 5 cm Mucky	Peat or Peat (S3) (LRR K,	, L, R)
_ Hydrogen S _ Stratified La	Sulfide (A4)	· ·	Loamy Mucky	Mineral (F1) (L	.RR K, L)		e (S7) (LRR K, L)	
THE COLUMN TWO IS NOT THE OWNER.	elow Dark Surface	(A11)	Loamy GleyedDepleted Matri			Polyvalue B	elow Surface (S8) (LRR K,	L)
	Surface (A12)	(,,,,,	_ Redox Dark Su	The second secon		Inin Dark S	urface (S9) (LRR K, L) nese Masses (F12) (LRR K	
7 The second sec	ky Mineral (S1)	_	Depleted Dark			Piedmont Fl	oodplain Soils (F19) (MLRA	A 1/0
_ Sandy Gley	ed Matrix (S4)	9	_ Redox Depress	sions (F8)	5	Mesic Spodi	ic (TA6) (MLRA 144A, 145,	. 1498
_ Sandy Red						Red Parent	Material (TF2)	
_ Stripped Ma		100 J					w Dark Surface (TF12)	
_ Dark Sunac	ce (S7) (LRR R, MI	-RA 149B)				Other (Expla	ain in Remarks)	
dicators of hy	drophytic vegetatio	n and wetla	and hydrology mus	st he present	inless disturbed	or problematic	¥	
estrictive Lay	er (if observed):		and mydrology mad	ot be present, t	difficas disturbed	or problematic.	*	
Type: Sn	201							
Depth (inche	010		- A			Hydric Soil Prese	ent? Yes No	
emarks:	0).			- 3 1		Tryano don riest	ent? Yes No_	
TMI	DU6-	(()					**************************************	
1	000	971						
							6.	
					and the same of		1	
	17	70 F	75 6"					
	, ,							
							4.35	
						- College		
	*			(V) [

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:				
INITIALS OF DELINEATORS:	DATE:	TIME:			
PHOTO ID: 0634 > 5W	LOCATION:	And Salar and Aller and Al			





7005/7006-552 UPLANS WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region Project/Site: _ Y Y City/County: Claston ____ Sampling Date: 7 19110 State: NY Sampling Point: SS Applicant/Owner: ______ DELAHOTA Section, Township, Range: Landform (hillslope, terrace, etc.): RELANCELL FLAT Local relief (concave, convex, none): NOC _ NWI classification: __ Soil Map Unit Name: 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 _____ Are Vegetation _______, Soil ______, or Hydrology ______ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? within a Wetland? Hydric Soil Present? Wetland Hydrology Present? If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) SAMPLE STATION HYDROLOGY Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) _ Aquatic Fauna (B13) Moss Trim Lines (B16) ___ Marl Deposits (B15) Saturation (A3) Dry-Season Water Table (C2) __ Hydrogen Sulfide Odor (C1) Water Marks (B1) Crayfish 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) Thin Muck Surface (C7) Iron Deposits (B5) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Yes _ No _ Depth (inches): Surface Water Present? Yes ____ No ___ Depth (inches): ____ Water Table Present? Saturation Present? Wetland Hydrology Present? Yes (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION - Use scientific names of plants.

TEGETATION 600 deletime flames of plants.				Sampling Point:
Tree Stratum (Plot size: 3)	Absolute % Cover		ant Indicator	Dominance Test worksheet:
1. ABIES BAISAMEA	7 COVE	Specie	FAC	Number of Dominant Species
2 RETUCA POPULIBOLIA	5	7/	FAC	That Are OBL, FACW, or FAC: (A)
3. PRUNUS SEBOTINA	1805	N	FACU	Total Number of Dominant Species Across All Strata: (B)
4. POPULUS TREMUIDIDES	16	N	FACO	Percent of Dominant Species
5. ACER RUTERUM	15	4	FAC	That Are OBL, FACW, or FAC: (A/B)
6at		6Y V160	of the army status	Prevalence Index worksheet:
7.		an Inja	instance	Total % Cover of: Multiply by:
7090712	60.	= Total (Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15 7)	ion maile	n er h		FACW species ZO x 2 = 40
1. FRAXINUS PENASYLVANICA	20	4	FACIO	FAC species 90 x 3 = 770
2 all	W a cortise		TX	FACU species
3. Carlo Regular Maria	100		New York	UPL species $10 \times 5 = 50$
4		(20		Column Totals: 140 (A) 440 (B)
5.				Prevalence Index = B/A = 3.14
6		C-150		Hydrophytic Vegetation Indicators:
7.		-		Rapid Test for Hydrophytic Vegetation
	70	= Total C	Cover	Dominance Test is >50%
Herb Stratum (Plot size: 5 2)		Total	50VCI	Prevalence Index is ≤3.01
1 DRYOPTERIS CARTHUSIANA	40	4	FAC	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2 RUDUS FLAGELLARIS	10	N	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
PRUNUS SEROTIOA	5	N	FACO	
4 SPIRARA LADIFOCIA	7	N	FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. ACER RUBRUM	55	N	FAL	Definitions of Vegetation Strata:
6. MAIANTHEMUM CANADENSE	55	N	FAC	The state of the s
7	76'01 Asso	hanin	Dr. conseque	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8Godinate Salara (DC)	E belle mr	ricika me	notti in e	Sapling/shrub – Woody plants less than 3 in. DBH
9		Visit in		and greater than 3.28 ft (1 m) tall.
10			-	Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
12	15		1-11-11-1	Woody vines – All woody vines greater than 3.28 ft in height.
	60	= Total C	Cover	S ON Service American American
Woody Vine Stratum (Plot size:)				Constitute and go of the
1		1 804	<u> </u>	Common school a reads Bar 2 prip 1924 East 122
2.				
3				Hydrophytic
4				Vegetation Present? Yes No
		Total C	over	7
Remarks: (Include photo numbers here or on a separate si	neet.)			
The state of the s				

S	OIL						Sa	mpling Point:	552
П	Profile Desc	cription: (Describe to the de	pth needed to docur	ment the indicator	or confirm	the absence			
	Depth	Matrix		x Features		328			
-	(inches)	Color (moist) %	Color (moist)	%Type¹	_Loc ²	<u>Texture</u>	1.5	Remarks	2 12 12
) -	X	134 r 21 c					5:14	1000	
8	-10	104R413			-		5111	CIA	10 Au
T								()
1									
-		¥ :						*	
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-									
-									
		oncentration, D=Depletion, RN	=Reduced Matrix, CS	=Covered or Coate	d Sand Gra		ation: PL=P	ore Lining, M	=Matrix.
H	lydric Soil I					Indicators	for Problem	atic Hydric S	Soils³:
-	Histosol	(A1) pipedon (A2)	Polyvalue Below MLRA 149B)	v Surface (S8) (LRF	RR,		luck (A10) (L		
-	Black His			ce (S9) (LRR R, ML	RA 149B)		Prairie Redox lucky Peat or		
-	Hydrogei	n Sulfide (A4)		lineral (F1) (LRR K,			urface (S7) (I		KK K, L, K)
-		Layers (A5)	Loamy Gleyed N	The second secon		Polyva	lue Below Su	rface (S8) (L	RR K, L)
-		Below Dark Surface (A11) rk Surface (A12)	Depleted MatrixRedox Dark Sur	137 - 1 7		Thin Da	ark Surface (S9) (LRR K, 1	L) _RR K, L, R)
-		ucky Mineral (S1)	Depleted Dark S			Piedmo	ont Floodplair	n Soils (F12) (L	(MLRA 149B)
-		leyed Matrix (S4)	Redox Depressi	ons (F8)		Mesic S	Spodic (TA6)	(MLRA 1444	A, 145, 149B)
-		edox (S5) Matrix (S6)					rent Material		
		face (S7) (LRR R, MLRA 149	В)				hallow Dark S Explain in Re		2)
	100							1	
1	ndicators of	hydrophytic vegetation and wayer (if observed):	etland hydrology must	be present, unless	disturbed o	or problematic.		4	-
K	Type:	ayer (if observed):							
	Depth (incl					Hydric Soil I	Brosont?	V	🗸
L	emarks:	nes).				Hydric 30ii i	rresentr	Yes	No Z
'	oriarks.								
									1.0
									1 1 to
							-		
									17.8
								2.	
									12 12
1									

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: MRWF Cit	y/County: Choton Sampling Date: 7+19110
	State: / Sampling Point: S
Investigator(s): DELANOTY Se	
	Local relief (concave, convex, none): 5/14ht Sugre
Slope (%):	
Soil Map Unit Name:	NWI classification: DSS DECL
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly dis	turbed? Are "Normal Circumstances" present? Yes No
Are Vegetation / , Soil / , or Hydrology / naturally proble	ematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sa	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes 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.)	
Linear PEpremin EXTEND WAS	s From parronero.
PSS 250 (1-7)	
17531200 (1-1)	34.
not win mapped the	Rends
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 Lea	aves (B9)Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B1	3) Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	720 mm - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Water Marks (B1) Hydrogen Sulfide (
Sediment Deposits (B2) Oxidized Rhizosph Presence of Reduc	neres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
	ced Iron (C4) Stunted or Stressed Plants (D1) ction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface	
Inundation Visible on Aerial Imagery (B7) Other (Explain in F	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	Approximately 100 miles and 10
Surface Water Present? Yes No Depth (inches): _	
Water Table Present? Yes No Depth (inches):	6//
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:
Remarks:	
Cinese DE non; un (Sup	TE) DRAW WOT From
Parune es.	the displacement of the control of t
mih 35 => N & SY 18	T SSI
36 DN AT Snow M	bits 7 cp; bhu -2 2-5

WIRAND

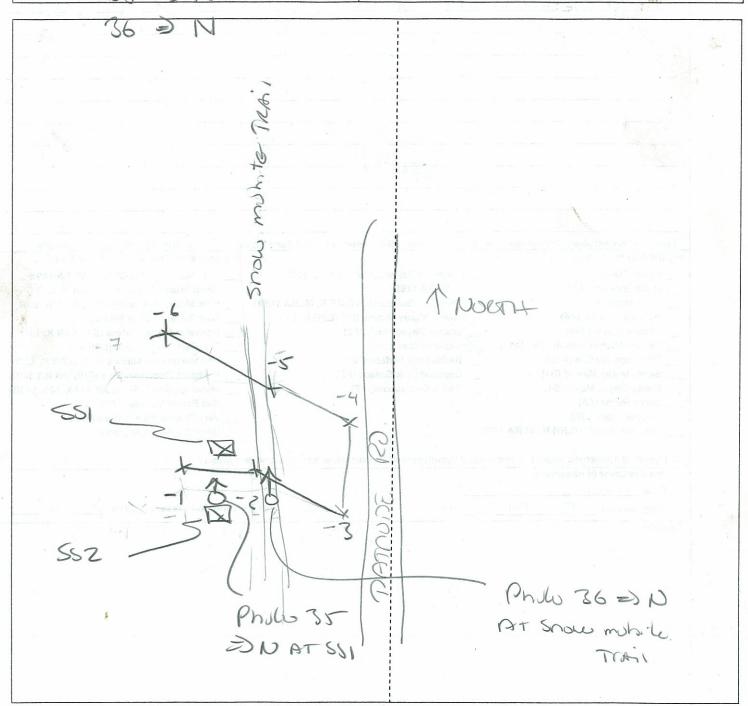
45.77 Sec. 10	7			
EGETATION – Use scientific names of plants.		-		Sampling Point: <u>SS</u> (
Tree Stratum (Plot size: 30 mod 6.0)	Absolute % Cover		ant Indicator	Dominance Test worksheet:
ACER RURREDO	10	4	FAR	Number of Dominant Species
ABIES RAISAMEA	10	i	FA	That Are OBL, FACW, or FAC: (A)
The second of th				Total Number of Dominant
3		1.323		Species Across All Strata: (B)
Lander I della collecticami (IV)	-			Percent of Dominant Species
Codeseed a codo a godina a	-	67 TEB	. /c	That Are OBL, FACW, or FAC: (A/E
Are Alongon updates and a second second	75		Observations	Prevalence Index worksheet:
A SENSOR STREET STREET	- 05	numan.	- Acceptance	Total % Cover of: Multiply by:
000 54	70	= Total (Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size:	iog grets	-	niwosa ca	FACW species x 2 =
AINUS (KUGOSA	40	1	TACW	FAC species x 3 =
ACER PURRUM	01	4	FAC	FACU species x 4 =
THE SAME PROCESSES	Arn savil		1	UPL species x 5 =
·		Line	dej epeteries i	Column Totals: (A) (B
5.				Prevalence Index = B/A =
1. <u>/ 1. 20</u>				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
20k 710				Rapid Test for Hydrophytic Vegetation Dominance Test is >50%
-10	20	= Total C	Cover	Prevalence Index is ≤3.0¹
Herb Stratum (Plot size:)		4	Ta.)	Morphological Adaptations¹ (Provide supporting
Toppanens CAPENIS	30		17-KW	data in Remarks or on a separate sheet)
ASTER JUNCIFORMIS	00	7	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
614 CERIASP	10	N	OBC	(FA) note Webshu (FF)
ONOCLEA SENSIPILIS	10	14	Tracu	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
SOUNAGO RUGOSA	10	N	FAC	Definitions of Vegetation Strata:
Crayfiah Salka sa (C8) w 57	(73.4	DE CON	ng haberpily	The state of the s
and stage and some the same	LESS FROM	And the second	Usee each of the	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
es e control de repaire Position (C.2)				Automotive to the Automotive Company
Y Speling waquing (5.3)		O) scotli	er dan Links	Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
	(20° Fr	aeztain	.600 1000	In a sition visible on A shall imports (\$2)
1.				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
2.	-			TABLES COLLEGE .
00->70	100	- 110	Moral drawn	Woody vines – All woody vines greater than 3.28 ft in height.
~	100	= Total C	over	OK K SAY SEED TOWN
Voody Vine Stratum (Plot size:)			The state of the s	e and graffigue amount
O I A second to the second to		21 127	dd Island In	grandinam legice simple ten in the sensitivity in the sensitivity
•				
				Hydrophytic
· <u> </u>				Vegetation Present? Yes No
The state of the s		= Total C	over	100
lemarks: (Include photo numbers here or on a separate s		- 1016. 2	0.00	

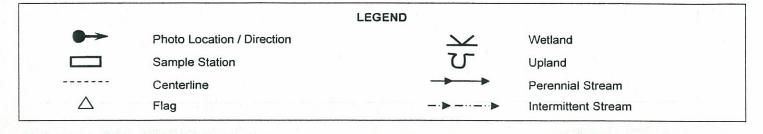
IC 7007 - SSI

SOIL				Sampling Point:	81
Profile Desc	cription: (Describe to the	depth needed to document the in	dicator or confirm the abser		
Depth	Matrix	Redox Features			
(inches)	Color (moist) %	Color (moist) %	Type ¹ Loc ² Texture	Remarks	
D-8	104K311			Silter CIR	
-14	10425129	5 75423145		5000 CINO	
	A CONTRACT OF	- 134 - 31 3 -		- steriol che	
		-			
				The state of the s	
* · ·	**	-		- V	1.0
		*			
· ·					
			· · · · · · · · · · · · · · · · · · ·		
1/4					
¹Type: C=Co	oncentration, D=Depletion, F	RM=Reduced Matrix, CS=Covered of	or Coated Sand Grains	Location: PL=Pore Lining, M=Matrix	
Hydric Soil I	Indicators:			ors for Problematic Hydric Soils ³ :	- 4
Histosol	(A1)	Polyvalue Below Surface (S		m Muck (A10) (LRR K, L, MLRA 149	(B)
	pipedon (A2)	MLRA 149B)	Coa	ast Prairie Redox (A16) (LRR K, L, R	1)
Black His		Thin Dark Surface (S9) (LR		m Mucky Peat or Peat (S3) (LRR K, L	L, R)
	n Sulfide (A4) I Layers (A5)	Loamy Mucky Mineral (F1)Loamy Gleyed Matrix (F2)		k Surface (S7) (LRR K, L)	
	Below Dark Surface (A11)	Depleted Matrix (F3)		rvalue Below Surface (S8) (LRR K, L n Dark Surface (S9) (LRR K, L)	-)
	rk Surface (A12)	Redox Dark Surface (F6)		-Manganese Masses (F12) (LRR K,	L, R)
	lucky Mineral (S1)	Depleted Dark Surface (F7)	Pied	dmont Floodplain Soils (F19) (MLRA	149B)
	leyed Matrix (S4) edox (S5)	Redox Depressions (F8)		ic Spodic (TA6) (MLRA 144A, 145, 1	149B)
	Matrix (S6)			Parent Material (TF2) / Shallow Dark Surface (TF12)	
	face (S7) (LRR R, MLRA 14	49B)		er (Explain in Remarks)	
9					
Indicators of	hydrophytic vegetation and	wetland hydrology must be present	, unless disturbed or problema	itic.	
	ayer (if observed):		1		
Type:	Tear	/, ·			
Depth (inc	hes):		Hydric Sc	oil Present? Yes No No	
Remarks:					
		•			
54					
167			,		
A Total					
		120			
		*	and the specific		
				11 11 11	
					guette
	maen : was				

SKETCH FORM

WETLAND ID/ROUTE ID:	PROJECT:	
INITIALS OF DELINEATORS:	DATE:	TIME:
PHOTO ID: 35 -> N	LOCATION:	1810





IC7007-852

uncan)

7119110

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Ci	
	sity/County: Sampling Date: 71911
	State: N 7 Sampling Point: S2
	ection, Township, Range:
andform (hillslope, terrace, etc.): Slight Slace to Le	
Slope (%): Lat: Lc	ong: Datum:
Soil Map Unit Name:	NWI classification:
are climatic / hydrologic conditions on the site typical for this time of year	r? Yes No (If no, explain in Remarks.)
Are Vegetation/, Soil, or Hydrologyk/_ significantly di	isturbed? Are "Normal Circumstances" present? Yes No
are Vegetation _/_/, Soil _/_/_, or Hydrology _/_/_ naturally probl	/-
The Aeroega 150 harries have the	sampling point locations, transects, important features, et
SOMMAN OF THE DINGS - Attach site map showing s	
Hydrophytic Vegetation Present? Yes No No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
+M No non-1 SDEC	0,783.
THE BOTHINGS OF	
nothingery privilegative to leaf tobare	
Market State of the State of th	
The second some of the second	
YDROLOGY A MINISTER AND REPORTED THE PROPERTY OF THE PROPERTY	
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 Le	
High Water Table (A2) Aquatic Fauna (B	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B1	
Water Marks (B1) Hydrogen Sulfide	
Sediment Deposits (B2) Oxidized Rhizosp Drift Deposits (B3) Presence of Redu	cheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) uced Iron (C4) Stunted or Stressed Plants (D1)
	uction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surfac	
Inundation Visible on Aerial Imagery (B7) Other (Explain in	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
ACTION AND STATE OF STATE OF STATE AND STATE OF	FAC-Neutral Test (D5)
Field Observations:	
Field Observations: Surface Water Present? Yes No Depth (inches): _	
Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): _ Saturation Present? Yes No Depth (inches): _	
Field Observations: Surface Water Present? Water Table Present? Saturation Present? Yes No Depth (inches): _ Yes No Depth (inches): _ Yes No Depth (inches): _	Wetland Hydrology Present? Yes No
Field Observations: Surface Water Present? Water Table Present? Saturation Present? Yes No Depth (inches): _ Yes No Depth (inches): _ Yes No Depth (inches): _	Wetland Hydrology Present? Yes No
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) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	Wetland Hydrology Present? Yes No
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) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	Wetland Hydrology Present? Yes No
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) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	Wetland Hydrology Present? Yes No
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) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	Wetland Hydrology Present? Yes No
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) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	Wetland Hydrology Present? Yes No
Field Observations: Surface Water Present? Yes No Depth (inches): _ Water Table Present? Yes No Depth (inches): _	Wetland Hydrology Present? Yes No
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) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	Wetland Hydrology Present? Yes No
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) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	Wetland Hydrology Present? Yes No
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) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	Wetland Hydrology Present? Yes No
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) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	Wetland Hydrology Present? Yes No

2040-3 15

7/19/10

VEGETATION COO SCIENTIFIC HATTICS OF DIGIT	Jse scientific names of plants	scientifi	 Use 	ATION -	VEGETA	1
--	--------------------------------	-----------	-------------------------	---------	--------	---

1. ABIES RAISAMEA

Tree Stratum (Plot size: _____)

Sapling/Shrub Stratum (Plot size: 15 R.

1. ABIES RAISAMEA
2. (11 MUS AMERICANA

Herb Stratum (Plot size:

Woody Vine Stratum (Plot size:

2 MIANTHEMUM CHANADENE 3. Lycopo Dium Clavaro

ute		Indicator	Dominance Test worksheet:
<u>ver</u>	Species?	Status	Number of Dominant Species
_	4	FAL:	That Are OBL, FACW, or FAC: (A)
	4	FAC	Total Number of Dominant
_	nan i	14// C.	Species Across All Strata: (B)
_			Percent of Dominant Species That Are OBL, FACW, or FAC:
УБе	or visite officer	0.5 mari	Prevalence Index worksheet:
			Total % Cover of: Multiply by:
_	= Total Co	ver	OBL species x 1 =
			FACW species \ \ \ \ \ x 2 = \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	4	FAL	FAC species \\ \(\sigma \) x 3 = \(\frac{450}{} \)
_	4	FALL	FACU species x 4 =
	-		UPL species x 5 =
-			Column Totals: 160 (A) 470 (B)
_	in the	3	Prevalence Index = B/A = Z 194
			Hydrophytic Vegetation Indicators:
			Rapid Test for Hydrophytic Vegetation
,	= Total Cov		Dominance Test is >50%
_	- Total Cov	/ei	Prevalence Index is ≤3.0 ¹
)	4	FAR	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
)	N	FAZ	Problematic Hydrophytic Vegetation ¹ (Explain)
91	(C) (E) (S)	FAL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
-	nh() shirts	sorpora resna	Definitions of Vegetation Strata:
	To Pipers La Julio	Person	Tree – Woody plants 3 in. (7.6 cm) or more in diamete at breast height (DBH), regardless of height.
	omesate Lega p tore	ar - ndt	Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
_	1100 111788	LX213941	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
_	= Total Cov	Onen daen	Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present?

= Total Cover

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL				Sampling Po	oint:
Profile Des	cription: (Describe to the de	pth needed to document the indicator or confirm	n the absence of indicat	tors.)	
Depth	Matrix	Redox Features	. 4		
(inches)	Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture	Remar	ks
02	10yR211		Situlo	Lypo	ics
1-8	1046312		Silty Clas	1.70	LIM
8-70	1040412		Kiltin Cla	5 70	1
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1Tunes C=C			2.		
Hydric Soil	Indicators:	=Reduced Matrix, CS=Covered or Coated Sand Gr	ains. ² Location: PL= Indicators for Proble		
Histosol	The second secon	Polyvalue Below Surface (S8) (LRR R,	2 cm Muck (A10)	-	
	pipedon (A2)	MLRA 149B)	Coast Prairie Red	lox (A16) (L	RR K. L. R)
Black Hi		Thin Dark Surface (S9) (LRR R, MLRA 149B)			
	n Sulfide (A4)	Loamy Mucky Mineral (F1) (LRR K, L)	Dark Surface (S7)) (LRR K, L)
	Layers (A5) Below Dark Surface (A11)	Loamy Gleyed Matrix (F2)	Polyvalue Below :		
	irk Surface (A12)	Depleted Matrix (F3) Redox Dark Surface (F6)	Thin Dark Surface		
the state of the s	lucky Mineral (S1)	Depleted Dark Surface (F7)	Iron-Manganese I		2) (LRR K, L, R) 19) (MLRA 149B)
	leyed Matrix (S4)	Redox Depressions (F8)	Mesic Spodic (TA		
	edox (S5)		Red Parent Mater	rial (TF2)	141000
	Matrix (S6) face (S7) (LRR R, MLRA 149)	2)	Very Shallow Dark		F12)
Daik Sui	lace (57) (LRR R, MLRA 149)	2)	Other (Explain in I	Remarks)	
Indicators of	hydrophytic vegetation and we	etland hydrology must be present, unless disturbed	or problematic.		
Restrictive L	ayer (if observed):		N. Committee	1.	Sub-
Туре:	Mone				
Depth (inc	hes):		Hydric Soil Present?	Yes	_ No X
Remarks:					
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