VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: \_\_\_\_\_\_

20 N	Absolute Do	ominant I	ndicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 H)	% Cover S			Number of Dominant Species
1. Linustaeda	25_	<del>-</del> -	FAC	That Are OBL, FACW, or FAC: (A)
2. Pinus palustris	<u> 15 _</u>	<u> </u>	FACU	Total Number of Dominant
3. Querus com nigra	. 15_	<u> </u>	FAC	Species Across All Strata: (B)
4. Killing Charles				0 -
5. Nyssa sylvatica	10_		FAC	Percent of Dominant Species That Are OBL, FACW. or FAC:  (A/B)
6				
7.				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
7 0	65 = T	otal Cove	·	OBL species x 1 =
50% of total cover 21	5 20% of tot	al cover:	13	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30(1-2))		. /		FAC species x 3 =
1 Queras organ	15		FAC	FACU species x 4 =
2 Cherus Mariandica			EPL	UPL species x 5 =
3. Vaccinium czrymbosum	25_	<u>~`</u>	FACIN	Column Totals:(A)(B)
4. Myssa sylvatica	<u> </u>	<u> </u>	FAC	Prevalence Index = B/A =
5. Vaccinium Staminum		•	FACU	Hydrophytic Vegetation Indicators:
6.				1 - Rapid Test for Hydrophytic Vegetation
7.	-			2 - Dominance Test is >50%
8				☐ 3 - Prevalence Index is ≤3.01
25	<u>65</u> = T	fotal Cove	er, 2	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 32.	5 20% of tol	tal cover:	12	
Herb Stratum (Plot size. 0 1 )	10		·	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Coccinica corymbosiem	- <del>15 7</del>		FACW	be present, unless disturbed or problematic.
2. Woodwooda doortage			OBL	Definitions of Four Vegetation Strata:
3.		<del></del> -		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4.		<del></del> -		more in diameter at breast height (DBH), regardless of
5.				height.
7				Sapling/Shrub - Woody plants, excluding vines less than 3 in. DBH and greater than 3,28 ft (1 m) tall.
8.				Herb – All herbaceous (non-woody) plants, regardless
9,		<del></del>		of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11			***************************************	height.
112	$-\frac{1}{20}$	T. 1. 1. C		
50% of total of wer:		Total Cov	, ,	The state of the s
Woody Vine Stratum (Plot size 30 4 )	20% of to	tai cover:		
1 Colsemium Semper VINEAS	$\prec$			
2. Ultis rotunde totas	- 🔫 -	<del></del>		
3.				
4.				
5		····	***************************************	
	10 = 3	Total Cov	0.0	Hydrophytic Vegetation
50% of total cover:			$\sim$	Present? Yes No
Remarks (If observed, list morphological adaptations be			~	
F.				
·				

Sampling Point: WEST 8145 W

Depth	cription: (Describ Matrix	uop		ox Feature		or commit	n the absence of	muicators.)
(inches)	Color (moist)	%	Color (moist)		Type!	Loc²	Texture	Remarks
7-6	10 482/1	100					54	
,-18	10485/2	95	10 YR 5/6			~	501	
<del></del>	<u> </u>	_ 7	101162/6	<u> </u>	<u> </u>	18.4	<u> </u>	
	* F P A P P * 1 William Control of the P P P P P P P P P P P P P P P P P P P							
							12.00 to 10.00 to 10.	
1 10 The both and the second	White the 3 cent of the tell protection in the behavior of the cent of the tell protection and the cent of the cen							
	The New Equipment of the Section of							
				<del></del>	-			
Type: C=C	oncentration, D=De	pletion, RM=	Reduced Matrix, M	S=Masked	d Sand Gr	ains.	<sup>2</sup> Location: PI	L=Pore Lining, M=Matrix.
-	Indicators: (Appli	icable to all	_RRs, unless othe	rwise not	.ed.)			r Problematic Hydric Soils <sup>3</sup> :
Histoso			Polyvalue B	elow Surfa	ice (S8) (L	.RR S, T,	U) 🔲 1 cm Muc	ck (A9) (LRR O)
<del></del>	pipedon (A2)		Thin Dark S				2 cm Mud	ck (A10) (LRR S)
==	istic (A3) en Sulfide (A4)		Loamy Mucl	ky Mineral	(F1) (LRF	(0)		Vertic (F18) (outside MLRA 150A,B)
	d Layers (A5)		Loamy Gley		(F2)			t Floodplain Soils (F19) (LRR P, S, T)
	Bodies (A6) (LRR	P T (1)	Depleted Ma		-c\			us Bright Loamy Soils (F20)
5 cm M	ucky Mineral (A7) (I	. , ., ., LRR P. T. UI	Depleted Da	,	,		(MLRA	. <b>153B</b> ) ent Material (TF2)
Muck P	resence (A8) (LRR	U)	Redox Depr		. ,		<del></del>	ent Material (TF2) illow Dark Surface (TF12)
1 cm M	uck (A9) (LRR P, T	)	Marl (F10) (		٠,		·	xplain in Remarks)
	d Below Dark Surfa	ice (A11)	Depleted Oc		(MLRA 1	51)	Amorate	,
	ark Surface (A12)		☐ Iron-Mangar	nese Mass	es (F12) (	LRR O, P	, T) <sup>3</sup> Indicate	ors of hydrophytic vegetation and
Coast	rairie Redox (A16)	(MLRA 150A		ace (F13)	(LRR P, T	, U)	wetlar	nd hydrology must be present.
Sandy	Mucky Mineral (S1) Gleyed Matrix (S4)	(LRR O, S)	Delta Ochrid	(F17) (MI	LRA 151)			s disturbed or problematic.
	Redox (S5)		Reduced Ve					
	d Matrix (S6)		Piedmont FI				49A) RA 149A, 153C, 1	E2D)
	ırface (S7) (LRR P.	S, T, U)	, / momandas	Drigin Lua	my Jons (	( 20) (NILI	NA 149A, 193C, 1	53D)
Restrictive	Layer (if observed	ī):						
Type:								
	iches).						Hydric Soil P	resent? Yes X No No
Remarks	The state of the s	What a d Anton Character 1987 1987 1987 1987			*****	************	Tryanc 30111	resetti 163NO
	8	200	ZO CO COLOM	<b>克</b>				
	**	A Second		and the second				
		11	<b>~</b>	`			$\cap$	
		10/16	lois con	7. 6	110	10 M	<del>                                      </del>	
		1790	vic so	01 1		3000	*	
		Non-		1				

# wroh014f\_w



wroh014f\_w facing north



wroh014f\_w facing east

WEILAND DETERMIN				
Project/Site. ACP	Citv/C	county: Rubeset	n.	Sampling Date: $9 - 9 - 14$ Sampling Point: $\cancel{UROHOO}$
Applicant/Owner: Domunion			State: NC	Sampling Point: WROHOO
Investigator(s):	Section	on Township Range:		gyers, r
Landform (hillslope, terrace, etc.):	Local	relief (concave, convex.	none):	Slone (%)
Landform (hillslope, terrace, etc.):	Lat: 34 845	'41. 297 Long 7	190041	38.720" Datum: 7, 156 ()
Soil Map Unit Name: (OXUI) R			NWI classifi	
Are climatic / hydrologic conditions on the site typica	I for this time of year? Y	es X No (		
Are Vegetation Soil, or Hydrology				present? Yes No No
Are Vegetation, Soil, or Hydrology				ers in Remarks.)
			•	·
SUMMARY OF FINDINGS – Attach site	map snowing sam	ipling point locatio	ns, transect	s, important features, etc.
Hydric Soil Present? Yes	No No No	is the Sampled Area within a Wetland?		N <sub>9</sub>
Remarks: Not all the	e posama	elers pres	son	
HYDROLOGY				***************************************
Wetland Hydrology Indicators:			Secondary Indic	cators (minimum of two required)
Primary Indicators (minimum of one is required; ch	eck all that apply)			il Cracks (B6)
	Aquatic Fauna (B13)		Sparsely Ve	egetated Concave Surface (B8)
	Marl Deposits (B15) (LRF			atterns (B10)
	Hydrogen Sulfide Odor ((		Moss Trim	' '
	Oxidized Rhizospheres a Presence of Reduced Iro		Dry-Seasor Crayfish Bu	Water Table (C2)
	Recent Iron Reduction in			Visible on Aerial Imagery (C9)
1 1 44 444 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Thin Muck Surface (C7)	()		c Position (D2)
Iron Deposits (B5)	Other (Explain in Remark	<b>(</b> \$)	Shallow Aq	
Inundation Visible on Aerial Imagery (B7)			FAC-Neutra	al Test (D5)
Water-Stained Leaves (B9)	-		Sphagnum	moss (D8) (LRR T, U)
Field Observations:  Surface Water Present? Yes No	Depth (inches):			
Surface Water Present? Yes No X	Depth (inches):			$\sim$
Saturation Present? Yes No	Depth (inches):		lydrology Prese	ant? Vos No
(includes capillary fringe)				THE THE
Describe Recorded Data (stream gauge, monitorin	g well, aerial photos, pre	evious inspections), if ava	ilable:	
Remarks:				
No hydrolog	reg pre	sen		

WROHOL4 \_\_\_\_\_

#### VEGETATION (Four Strata) - Use scientific names of plants.

2. (1	Absolute Dominant Indica	ator Dominance Test worksheet:
Tree Stratum (Plot size: 30 H)	% Cover Species? Sta	THE O
1. Pinus palustris	25 J FA	The interior Dominant Species
2. Pinus taeda	20 V FV	Olal Number of Dominant
3. Cherry alba	20 V 46	Species Across All Strata: (B)
4. Quaceus marlikandica	(A)	PL
5. Overrus nigra	1	Percent of Dominant Species
e de la companya de l	10 FA	That Are OBL, FACW, or FAC: (A/B)
6		
7.		Prevalence Index worksheet:
8.		Total % Cover of: Multiply by:
	85 File	OBL species x 1 =
6/7	= Total Cover	7 FACW species x 2 =
50% of total cover: 4/2.	≥ 20% of total cover: _ I	
Sapling/Shrub Stratum (Plot size: 30th )		FAC species x 3 =
1 Vaccinium Stomminum	.3.5 V FA	( ( FACU species x 4 =
2. Vaceinin corymbosom	10 FAC	(1A) UPL species x 5 =
3. Liquidanta Lyracillus		27.0
4. Kinus palustris	5 EA	Prevalence Index = B/A =
5.		Hydrophytic Vegetation Indicators:
6		1 - Rapid Test for Hydrophytic Vegetation
7		
8.		2 - Dominance Test is >50%
V		3 - Prevalence Index is ≤3.01
	25 = Total Cover, /	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover 2.7.	5 20% of total cover: / L	
Herb Stratum (Plot size. 0 +)		Market Annual Control of the Control
1 Doccusion Staminer	15 VE	1 Indicators of hydric soil and wetland hydrology must 4 CU be present, unless disturbed or problematic.
2. Liquid Anter Styraciblue	5 V E	Definitions of Four Vegetation Strata:
		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4		more in diameter at breast height (DBH), regardless of
5		
6		
7	A CONTRACTOR OF THE PROPERTY O	than 3 in. DBH and greater than 3,28 ft (1 m) tall.
8		Herb - All herbaceous (non-woody) plants, regardless
9.		of size, and woody plants less than 3.28 ft tall.
10.		
11		Woody vine – All woody vines greater than 3.28 ft in
		height.
12		
	= Total Cover	
50%_of to <b>(3)</b> cover: <u>/</u>	20% of total cover:	$\ell$
Woody Vine Stratum (Plot size: 30 +7.		
	5 / 5	40
Oelsomi un semperur	<u> </u>	
4.		
3.	-	
4.		
5		
	X	Hydrophytic Vocatation
7.	= Total Cover	Vegetation Present? Yes No
50% of total cover: 2 · 5		1103011(7 103
Remarks (If observed, list morphological adaptations believed)	ow).	
·		

to a altered	Matrix_		Redo	x Feature					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	<u>Loc²</u>	Texture	Remar	ks
<u> </u>	104R3/1	100		-			<u> </u>		
<u>3-5</u>	10182/5	106					4,5		
, 18 -	2.5/5/3	98	10/185/4	7	7	$\Delta$	304		
	a since a commission of the state of the sta						Sall Sall		
	· · · · · · · · · · · · · · · · · · ·			-			*****		
The second second second second		TO YEST - MAY I MAY PARK AND PORTUGATION OF THE PARK		***********					
									· · · · · · · · · · · · · · · · · · ·
	,				***************				
	Panagatatian D-D-		6						
vdric Soil	Concentration, D=De I Indicators: (Appli	cable to all	Reduced Matrix, MS	S=Masked	d Sand Gr	ains.	<sup>2</sup> Location: PL=I		
Histoso		cable to an					Indicators for P	•	Iric Soils":
	Epipedon (A2)		Polyvalue Be Thin Dark Su	ow Surfa	ce (S8) (L	.RR S, T, t		(A9) (LRR O)	
	Histic (A3)		Loamy Muck	v Mineral	) (LKK 5, /E1) // RE	1, 0)		(A10) (LRR S)	de MLRA 150A,E
===	en Sulfide (A4)		Loamy Gleye			. 0,			19) (LRR P, S, T
	ed Layers (A5)		Depleted Ma		C = 7			Bright Loamy So	
Organic	c Bodies (A6) (LRR I	P, T, U)	Redox Dark				(MLRA 15		( 11,
J 5 cm M	lucky Mineral (A7) (L	.RR P, T, U)					Red Parent	Material (TF2)	
J MUCK P	Presence (A8) (LRR   Nuck (A9) (LRR P, T)	U)	Redox Depre		8)		, mm	w Dark Surface (	(TF12)
	ed Below Dark Surfa		Marl (F10) (L		(BB) 50 4 4	<b>.</b>	Other (Expla	ain in Remarks)	
Thick C	Dark Surface (A12)	CG (MII)	Depleted Ocl	nnc (F11)	(MLRA 1	51)	m) 31	A for all and the	
	Prairie Redox (A16) (	(MLRA 150	A) Umbric Surfa	ese Mass	es(FIZ)( /IRRPPT	LRR 0, P,		of hydrophytic v hydrology must b	-
] Sandy i	Mucky Mineral (S1)	(LRR O, S)	Delta Ochric	(F17) <b>(M</b> I	-RA 151)	, 0)		sturbed or probl	
Sandy	Gleyed Matrix (S4)		Reduced Ver	rtic (F18)	(MLRA 15	0A, 150B)	urness a	starbed or probl	emanc.
~~	Redox (S5)		Piedmont Flo	odplain S	Soils (F19)	(MLRA 14	19A)		
	d Matrix (S6)						RA 149A, 153C, 153	D)	
	urface (S7) (LRR P.								
CESTRICTIVE	Layer (if observed	):							
							t .		
Type:									à N
Type: Depth (ir				DN Ave rath area is not a second to	TO CAN AND SUPERIOR OF SURVEY PARK	v m konstirminos normonominana.	Hydric Soll Pres	ent? Yes	No_ <u>X</u>
Type:			LyOne	_ 50	-1 0	rot	Λ	ent? Yes	No <u></u>
Type: Depth (ir			- Lydric	_ S0	1 0	not	Λ	ent? Yes	No <u></u>
Type: Depth (in			Lydric	L SO	1 0	not	Hydric Soil Pres	ent? Yes	No <u></u>
Type: Depth (ir			Ly Orice	: So	1 0	not	Λ	ent? Yes	No <u>*</u>
Type: Depth (in			Ly Orice	- 50 R.O.	1 0	not	Λ	ent? Yes	No_ <u></u>
Type: Depth (in			- Lydric	: 50 2.02	1 0	not	Λ	ent? Yes	No_ <u></u>
Type: Depth (in			- Ly Oric	: 50 R.C.	1 0	not	Λ	ent? Yes	No_ <u></u>
Type: Depth (in			Ly Oric	: So	1 0	not	Λ	ent? Yes	No_ <u></u>
Type: Depth (ir			Ly Drie	- So		not	Λ	ent? Yes	No <u>*</u>
Type: Depth (ir			Ly Oric	: So	1 0	not	Λ	ent? Yes	No <u>X</u>
Type: Depth (in			- Lydric	- So R.O.	1 0	not	Λ	ent? Yes	No <u>*</u>
Type: Depth (in			Ly Oric	2 SO	1 0	not	Λ	ent? Yes	No <u>*</u>
Type: Depth (ir			- Lydric	2 So	1 0	not	Λ	ent? Yes	No <u>*</u>
Type: Depth (in			- Lydric	2 So		not	Λ	ent? Yes	No <u>*</u>
Type: Depth (ir			- Ly Oric	. So		not	Λ	ent? Yes	No <u>*</u>
Type: Depth (ir			- Ly Oric	. So		not	Λ	ent? Yes	No <u>*</u>
Type: Depth (ir			- Ly Oric	. So		not	Λ	ent? Yes	No <u>*</u>
Type: Depth (ir			Ly Oric	S S S S S S S S S S S S S S S S S S S		not	Λ	ent? Yes	No <u>*</u>
Type: Depth (in			Ly Oric	- SO		not	Λ	ent? Yes	No <u>*</u>
Type: Depth (in			Ly Orie	- SO		not	Λ	ent? Yes	No <u>*</u>
Type: Depth (ir			Ly Oric	: So		not	Λ	ent? Yes	No <u>*</u>

# wroh014\_u



wroh014\_u facing south



wroh014\_u facing west

### wroh014 soil



wroh014 soil

WETLAND DETERMINATION DATA FOR	M – Atlantic and Gulf Coastal Plain Region
Project/Site: City/C	county: Range on Sampling Date: 8/05/
Applicant/Owner: DOMINION	State: N Sampling Point: Wroke)
	on, Township, Range:
	relief (concave, convex, none): ADOUTECONCHOPE (%): 0
Subregion (LRR or MLRA): Lat: 34°45	37. 275 Long: 79°05'49.113 Datum: 1269 84
Soil Map Unit Name: Schnistern	NWI classification: PF D
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly disturt	
Are Vegetation, Soil, or Hydrology naturally problema	•
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:	Is the Sampled Area within a Wetland? Yes No
LIVED COV	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  Aquatic Fauna (B13)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13) High Water Table (A2) Marl Deposits (B15) (LRF	Sparsely Vegetated Concave Surface (B8)  Note: The property of
Saturation (A3) Hydrogen Sulfide Odor (C	t t
Water Marks (B1) — Oxidized Rhizospheres al	
Sediment Deposits (B2) Presence of Reduced Iron	
Drift Deposits (B3) Recent Iron Reduction in	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remark:	• • • • • • • • • • • • • • • • • • • •
Inundation Visible on Aerial Imagery (B7)	X FAC-Neutral Test (D5)
★ Water-Stained Leaves (B9)     Field Observations:	Sphagnum moss (D8) (LRR T, U)
Surface Water Present? Yes No Depth (inches):	
Water Table Present?  Yes No Depth (inches):	
Saturation Present? Yes NoX Depth (inches):	
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	
action of the second of the se	nous inspections), il available.
Remarks:	
Hydrology present	
0' "	

#### VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WOND/3FW

71.04	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 + 3 0	% Cover	Species?	Status	Number of Dominant Species
1. Liquidambar Styraciflua	20	4	FAC	That Are OBL, FACW, or FAC: 19 (A)
2. Liriodendron tulipitera	20	<u></u>	FAC 4	Total Number of Dominant
3. Pinus tarda	10	Y	FAC	Species Across All Strata (B)
4				The state of the s
5			······	Percent of Dominant Species
6			***************************************	That Are OBL, FACW. or FAC: (A/B)
6		***************************************		Prevalence Index worksheet:
7.			***************************************	Total % Cover of: Multiply by:
8			***************************************	OBL species x 1 =
		= Total Co		FACW species x 2 =
50% of total cover: 25	20% o	f total cover	: 10	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30 x 30 )	_	17	h	FACU species x 4 =
1 Clethra alnifolia			FACW	1
2 Acer rubrum			FAC	UPL species x 5 =
3. Ilex Opaca		<u> </u>	FAC	Column Totals (A) (B)
4. Myrica cerifera	5_	<u>y</u>	NT	Prevalence Index = B/A =
5.				Hydrophytic Vegetation Indicators:
6.				1 - Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
8	<del></del>			
	25	= Total Co		3 - Prevalence Index is ≤3.0'
50% of total cover: _/2.				Problematic Hydrophytic Vegetation¹ (Explain)
Herb Stratum (Plot size. 30 × 30 )	20%0	t total cover		
riend Stratum (Flot size. 30 / 30 )	1/2	1/	FACW	Indicators of hydric soil and wetland hydrology must
1 Arundinaria gigantea 2 Woodwardia areolata	<u> </u>	7		be present, unless disturbed or problematic.
2. Wood Wardia areolata	2	<del>- 1</del> /	OBL	Definitions of Four Vegetation Strata:
3. Osmundastrum sinnamenmen		<u></u>	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5.				height.
6				Sapling/Shrub - Woody plants, excluding vines less
1.7				than 3 in DBH and greater than 3.28 ft (1 m) fall.
8.				Herb – All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10				
11				Woody vine – All woody vines greater than 3.28 ft in height.
12				neight.
	20	= Total Co		
50% of total cover: 10	0000		, (	
Woody Vine Stratum (Plot size 30 × 30 )	20% 0	f total cove	r:	
	1.2	17	ETA A	
1 Toxicodendron radicans	. <u>70                                    </u>	. <u> </u>	FAC	
2. Smilax rotundifolia	5_	· <del>- /</del>	EAC_	
3. Smilax glauca	. <u> </u>	Ý	FAC	
4. Lonicera Gaponica	5	4	FAC	
5				Hydrophytic
	25	= Total Co	ver	Vegetation
50% of total cover: 12:-	S 20% c			Present? Yes No
Remarks (If observed, list morphological adaptations belo				
			web.	
11 1 al 1: un tation	D	- ese	n U	
Hydrophytic Vegetation	25344	a year could come		

#### SOIL

W861+013 +- W Sampling Point: \_\_\_\_\_

Depth Ma	•			nuicator	or commin	the absence	of indicato	15.	
1	atrix		ox Feature		<del></del>				
(inches) Color (moi	ist) %	Color (moist)	%	Type <sup>1</sup>	<u>Loc²</u>	<u>Texture</u>	inas	Remarks	<u></u>
200 1000	<del>2</del>					<u> </u>	10%	ynion	Ed
071	<del>-/</del>					<u> 5L</u>	270	uncol	iteel
							***************************************		
1T 0. 0							***************************************		
<sup>1</sup> Type: C=Concentration, D Hydric Soil Indicators: (A	DEDepletion, RM=	Reduced Matrix, M	IS=Masked	Sand Gra	ains.	*Location:	PL=Pore Li	ining, M=Matri	(, , _ : : _ 3.
Histosol (A1)	thbucanie to all i	Polyvalue B			DD C T III			matic Hydric S	iolis":
Histic Epipedon (A2)		Thin Dark S					Иuck (A9) <b>(L</b> Иuck (A10) <b>(</b>		
Black Histic (A3)		Loamy Mucl						18) (outside N	ILRA 150A,B)
Hydrogen Sulfide (A4)		Loamy Gley						ain Soils (F19)	
Stratified Layers (A5)		Depleted Ma	, ,				-	Loamy Soils (I	<sup>2</sup> 20)
Organic Bodies (A6) (L 5 cm Mucky Mineral (A		Redox Dark Depleted Da				•	RA 153B)	-1 (TEO)	
Muck Presence (A8) (L		Redox Depr					arent Materi	ai (1F2) : Surface (TF1:	2)
1 cm Muck (A9) (LRR I		Marl (F10) (I		<i>o</i> ,			(Explain in F		-)
Depleted Below Dark S		Depleted Oc						•	
Thick Dark Surface (A1 Coast Prairie Redox (A	12)	Iron-Mangar	nese Mass	es (F12) (I	LRR O, P,			Irophytic veget	
Coast Prairie Redox (A	(16) (MLKA 150A (S1) (I PP () S)	Delta Ochric			, U)		•	ogy must be pr	•
Sandy Gleyed Matrix (S		Reduced Ve			0A. 150B)	uni	ess disturbe	d or problemat	ic.
Sandy Redox (S5)	,	Piedmont FI				9A)			
Stripped Matrix (S6)		Anomalous				•	, 153D)		
Dark Surface (S7) (LRI				***************************************		,			
Restrictive Layer (if obser	rvea):								
Type:						11		<b>\</b>	
I Donth (inchas):								· · · · · · · · · · · · · · · · · · ·	
Depth (inches):						Tiyunc 30n	Present?	Yes	No
Remarks:						Tryunc 30n	Present?	Yes	NO
						Tryune oon	Present?	Yes	NO
Remarks:	1.					Tiyune 30ii	Present?	Yes	NO
Remarks:	drie son	1 Dre	sent			Tiyune 30ii	Present?	Yes	NO
Remarks:	drie son	Pre	sent			Tryunc don	Present?	Yes	3:
Remarks:	drie son	Pre	sent	i.		Tryunc don	Present?	Yes	31
Remarks:	drie son	Pre	sent	in the state of th		Tryunc don	Present?	Yes	10 <u>11</u>
Remarks:	drie son	1 Pre	sent	in and a second		Tryunc don	Present?	Yes	3,
Remarks:	drie so	Pre	sent	in.		Tryunc don	Present?	Yes	31
Remarks:	drive so	Pre	sent			Tryunc don	Present?	Yes	31
Remarks:	drie soi	Pre	sent			Tryunc don	Present?	Yes	3:
Remarks:	drie son	Pre	sent	in the second of		Tryunc don	Present?	Yes	3.
Remarks:	drie so	Pre	sent			Tryunc don	Present?	Yes	31.
Remarks:	drive so	Pre	sent			Tryunc don	Present?	Yes	4:
Remarks:	drie soi	Pre	sent			Tryunc don	Present?	Yes	3:
Remarks:	drie soi	Pre	sent			Tryunc don	Present?	Yes	3.
Remarks:	drie so	Pre	sent			Tryunc don	Present?	Yes	4:
Remarks:	drive so	Pre	sent	in the second se		Tryunc don	Present?	Yes	4:
Remarks:	drie soi	Pre	sent			Tryunc don	Present?	Yes	3:
Remarks:	drie so		sent			Tryunc don	Present?	Yes	3.
Remarks:	drie soi	Pre	sent			Tryunc don	Present?	Yes	3.

# wroh013f\_w



wroh013f\_w facing east



wroh013f\_w facing south

#### WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Sampling Date Sept 2014 Project/Site. Applicant/Owner: Investigator(s) Section, Township, Range: \_\_\_ Landform (hillslope, terrace, etc.): \$ Local relief (concave, convex, none): Conco VC Subregion (LRR or MLRA) Soil Map Unit Name: Johns NWI classification: P55 Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_ (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. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? \_ No \_\_ Wetland Hydrology Present? Yes Remarks: **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) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Depth (inches) Water Table Present? Depth (inches) Saturation Present? Wetland Hydrology Present? Yes No Depth (inches) (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available Remarks hydrology present

e Stratum (Plot size: 30 × 30 )	Absolute	Dominant	Indicator	Sampling Point:  Dominance Test worksheet:
None Present		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
		***************************************		Total Number of Dominant Species Across All Strata. (B)
				Percent of Dominant Species That Are OBL, FACW. or FAC:  (A/B)
			***************************************	Prevalence Index worksheet:
			***************************************	Total % Cover of: Multiply by:
		= Total Cov	191	OBL species x 1 =
50% of total cover:		total cover		FACW species x 2 =
pling/Shrub Stratum (Plot size: 30 × 30 )		10141 00761		FAC species x 3 =
Eiguidambur styraci Elua	60	y	FAC	FACU species x 4 =
Mixus taeda	10	<sup>'</sup> N	FAC.	UPL species × 5 =
Persea bushania	_6_	$\mathcal{N}$	FACW	Column Totals: (A) (B)
Liriodendran tulipitara	<u> 5</u>	<u> </u>	FACU	Prevalence Index = B/A =
Magnelia yirginia	2	<u> </u>	FACW	Hydrophytic Vegetation Indicators:
Illy confacea			FACW	1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
	C. /			3 - Prevalence Index is ≤3.01
50% of total cover: 🦈	20% 01	= Total Co f total cover	ver / 8	Problematic Hydrophytic Vegetation¹ (Explain)
rb Stratum (Plot size. SO x SO )	4 PM	V	CARLL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Osmundastrum cinna mo me Wood wardig greatata	<u> </u>	<del>-</del>	FACW	be present, unless disturbed or problematic.
		<u></u>	<u> </u>	Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o more in diameter at breast height (DBH), regardless of height.
		F1907 1 / F 18 MANAGEMENT A.C.		Sapling/Shrub Woody plants, excluding vines less
	a di a catalogo con serio da acceso de	THE SOCIETY SEE PRODUCT SOUR STORE	A A San Sang . A planta making any	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 vine - All woody vines greater than 3.28 ft in height.
	10	= Total Co	ver	
50% of total cover:	20% o	f total cover	r: <u> </u>	
ody Vine Stratum (Plot size 30 x 30 )	المقد ش	s 4	men a sa	
Leverthee avillacis	12_	<del></del>	YAG	
	<del></del>	<del></del>	FACW	
Kybus orgutus	<u> </u>	<del></del>	In View	
- CONT.				
	7			Hydrophytic
50% of total cover:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	= Total Co	Z <sup>ECOLA</sup> .	Vegetation Present? Yes No
marks (If observed, list morphological adaptations belo		f total cove	r:	
		i Ov		
wanted in hed	C. 1841	1011	156	Jen )
hydrophytic veg	The Sand	ich	Pre	Sen

Sampling Point: 1000/35-W ators.)

Profile Desc	ription: (Describe to the de	oth needed to docur	nent the indicator	or confirm	the absence of ind	licators.)
Depth	Matrix	Redo	x Features			
(inches)	Color (moist) %	Color (moist)	%Type`	Loc <sup>2</sup>	Texture	Remarks
0-20	10165/1		-		Vagent	
				***************************************	<u> </u>	
CONTROL OF The Sales of the Sal						
	17 Works and heart which are not come and the state of th					
		A ROLL WHEN THE RESIDENCE OF THE PROPERTY OF T		* Months that a rear season	****	
		***************************************	-			
¹Type: C=C	ancontration O-Danlation DM	-D			2	
Hydric Soil	oncentration, D=Depletion, RM Indicators: (Applicable to al	-Reduced Matrix, MS	S=Masked Sand G	rains.		ore Lining, M=Matrix.
Histosol				. DD 0 T U		roblematic Hydric Soils <sup>3</sup> :
	nipedon (A2)	Thin Dark Su	elow Surface (S8) (l urface (S9) (LRR S	LKK 5, 1, U)	r	49) (LRR 0) 410) (LRR S)
Black Hi			y Mineral (F1) (LRI		T-1	rtic (F18) (outside MLRA 150A,B)
	n Sulfide (A4)		ed Matrix (F2)	,		podplain Soils (F19) (LRR P, S, T)
===	d Layers (A5)	Depleted Ma	trix (F3)			Bright Loamy Soils (F20)
	Bodies (A6) (LRR P, T, U)	Redox Dark	Surface (F6)		(MLRA 15	
	icky Mineral (A7) (LRR P, T, U		rk Surface (F7)		7-1	Material (TF2)
	esence (A8) (LRR U)	Redox Depre	, ,			/ Dark Surface (TF12)
	dck (A9) <b>(LRR P, T)</b> d Below Dark Surface (A11)	Marl (F10) (L		r4\	U Other (Expla	in in Remarks)
	ark Surface (A12)		hric (F11) <b>(MLRA</b> 1 ese Masses (F12)		T) 3Indicators	of hydrophytic vegetation and
	rairie Redox (A16) (MLRA 150	A) Umbric Surfa	ice (F13) (LRR P,	(LICK O, F, 1 [. U]		ydrology must be present.
	lucky Mineral (S1) (LRR O, S)	- Partitud	(F17) (MLRA 151)			sturbed or problematic.
	Bleyed Matrix (S4)		rtic (F18) (MLRA 1			
, ,	Redox (S5)		oodplain Soils (F19			
	Matrix (S6)	Anomalous E	Bright Loamy Soils	(F20) <b>(MLR</b> A	A 149A, 153C, 153D	))
	rface (S7) (LRR P, S, T, U)					
_	Layer (if observed):					
l .						
the second of the second of	ches).				Hydric Soil Prese	ent? Yes No
Remarks						
Accommon property						
TOTAL MATERIAL SAME	1.		and.			
	Mydric Soi	presen	l f			
	,	N				
						· ·
name of the state						
						The state of the s
-						

# wroh013s\_w



wroh013s\_w facing east



wroh013s\_w facing south

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Applicant/Owner:	City/County: Represent Sampling Date: 5 32 pt 20.  State: Sampling Point: Wroh 0/3
Landform (hillslope, terrace, etc.): Terrace	Section, Township, Range:  Local relief (concave, convex, none): Canvey Slope (%): 3  US 37,190 Long Solution: Washington Datum: Was 8
Are climatic / hydrologic conditions on the site typical for this time of year Are Vegetation Soil, or Hydrology naturally process.	disturbed? Are "Normal Circumstances" present? Yes No
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks:	Is the Sampled Area within a Wetland? Yes No
HYDROLOGY	
Sediment Deposits (B2)	Sparsely Vegetated Concave Surface (B8)  Drainage Patterns (B10)  Moss Trim Lines (B16)  Dry-Season Water Table (C2)  ced Iron (C4)  Ction in Tilled Soils (C6)  E (C7)  Remarks)  Sparsely Vegetated Concave Surface (B8)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Geomorphic Position (D2)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Sphagnum moss (D8) (LRR T, U)
Water Table Present? Yes No Depth (inches Saturation Present? Yes No Depth (inches (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial phot	S): Wetland Hydrology Present? Yes No
Remarks.	esent

wroh 013 - 4 Sampling Point:

#### VEGETATION (Four Strata) - Use scientific names of plants.

20.20	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30,30)	% Cover	Species?	<u>Status</u>	Number of Dominant Species
1. Cinus -1000a	40	_Y	FAC	That Are OBL, FACW, or FAC: (A)
2. Liquidanbur Styraciflya	25	Y.	FAC	
3 Tree coaca	10	N	FAT	Total Number of Dominant Species Across All Strata (B)
4. Quercus nigra	8	N	FAC	Opedes Across Air Strata
5		8 (8)	1 1 3 3	Percent of Dominant Species
J				That Are OBL, FACW, or FAC: (A/B)
6			***************************************	Prevalence Index worksheet:
7.				
8.	***************************************		***************************************	Total % Cover of: Multiply by:
	80	= Total Co	ver /	OBL species x 1 =
50% of total cover:	20% of	total cove	16	FACW species x 2 =
Sapling/Shrub Stratum (Plot size 30 30 )		total cove	·	FAC species x 3 =
AND	15	M	CAM	FACU species x 4 =
	17			UPL species x 5 =
2 Quercus nigra		14	<u>FAC</u>	1
3. Myssa sy was Lica		<u>M</u> ,	FAC	Column Totals (A) (B)
4. Aceconus rum	2	N	FAC	Prevalence Index = B/A =
5.				
				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8.		***************************************		3 - Prevalence Index is ≤3.01
	27	= Total Co	ver	Problematic Hydrophytic Vegetation (Explain)
50% of total cover: 13/3	20% of	finial cove	6.4	Problematic Hydrophytic Vegetation (Explain)
Herb Stratum (Plot size. 30 30 )	207001	total cove	· <u></u>	
1 Clethia anthona	10	V	ΓΛ n	¹Indicators of hydric soil and wetland hydrology must
	14	1.	FACW	be present, unless disturbed or problematic.
2. Arundinaria giganten 3. Vaecinium stamineum		<u> </u>	FACW	Definitions of Four Vegetation Strata:
3. Vaccinium staminoum		N	FAC U	The Manual along the distribution of the Control of
4 Hexastyls miner		N	NI	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5			and the same of th	height.
(1)	TOT MA POSTER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**************************************		Sapling/Shrub - Woody plants, excluding vines less
7				than 3 in DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10				
				Woody vine – All woody vines greater than 3.28 ft in
11	* ***************			height.
12	100			
		= Total Co	ver	THE RESERVE THE STATE OF THE ST
50% of total cover:	20% o	f total cove	r:38	
Woody Vine Stratum (Plot size \$ \$ \$ \$ \$ \$ \$ )			34	
1 So lay ex. di Cha	IM	V	500	
	1.25d	-/m1	TO A CO	
2. Lescothoe girillaris		<del></del>	5/85-	
3.				
4.				
5				I to do a de Ata
	20	= Total Co		Hydrophytic Vegetation
500 (1.1)	-American		2.4	Present? Yes No
50% of total cover: 10		f total cove	r: <u> </u>	
Remarks (If observed, list morphological adaptations beli	ow).			
hydrophytic	Veset	ation	D1 (3)	cent
, Marchid, C	* -0 -		11 , 200	and the second s
·				

Wroh013-LA

Profile Description: (Describe to the depth needed to document the indicator or confirm	
1 Con-46	the absence of indicators.)
Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type Loc2	Touture
03 /04/83/1 1/20	Texture Remarks
	5 40% uncoated
3-12 10 W65/2 100	5
12-18 /olk 4/2 100	\$
10 011	
18-24 101R 3/3 100	
	WYOUTH A VIEW YEAR AND A PARTIES I AND AND A PARTIES AND A
*** The state of t	
T O O	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)  Polyvalue Below Surface (S8) (LRR S, T, U	
Histic Epipedon (A2)  Thin Dark Surface (S9) (LRR S, T, U)  Black Histic (A3)  Loamy Mucky Mineral (F1) (LRR O)	2 cm Muck (A10) (LRR S)
1 miles	Reduced Vertic (F18) (outside MLRA 150A,B)
	Piedmont Floodplain Soils (F19) (LRR P, S, T)
	Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	(MLRA 153B)  Red Parent Material (TF2)
Muck Presence (A8) (LRR U)  Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)  Depleted Ochric (F11) (MLRA 151)	Other (Explain in Nemarks)
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O. P.	T) <sup>3</sup> Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P. T. U)	wetland hydrology must be present.
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B)	·
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 14)	
Stripped Matrix (S6)  Anomalous Bright Loamy Soils (F20) (MLR)	A 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)	
Restrictive Layer (if observed):	
Type:	Company of the Compan
Depth (inches).	
	Hydric Soil Present? Yes No
Remarks	Hydric Soil Present? Yes No
The state of the s	Hydric Soil Present? Yes No
The state of the s	Hydric Soil Present? Yes No
The state of the s	Hydric Soil Present? Yes No
The state of the s	Hydric Soil Present? Yes No
The state of the s	Hydric Soil Present? Yes No
Remarks	
Remarks	
The state of the s	
Remarks	

# wroh013\_u



wroh013\_u facing west



wroh013\_u facing north

# wroh013f soil



wroh013f soil non-hydric/hydric

### wroh013s soil



wroh013s soil hydric

WETLAND DETERMINATION DATA FORI	M – Atlantic and Gulf Coastal Plain Region
Project/Site: City/C	County: Robaccon Sampling Date: 8/05/
Applicant/Owner: DOMINION	State: N Sampling Point: Wroke)
	on, Township, Range: NA
	relief (concave, convex, none): ADOUTECONCE (%): 0
Subregion (LRR or MLRA): Lat: 34°45	37. 275 Long: 79°05'49.113 Datum: 1269 84
Soil Map Unit Name: Schneten	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly disturi	
Are Vegetation, Soil, or Hydrology naturally problema	•
SUMMARY OF FINDINGS – Attach site map showing sam	ppling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?  Remarks:  Yes No	Is the Sampled Area within a Wetland? Yes No
HYDROLOGY	
Wetland Hydrology Indicators:	Consider Indicator (minimum of the control of
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (PS)
Surface Water (A1)  Aquatic Fauna (B13)	Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (LRF	
Saturation (A3) Hydrogen Sulfide Odor (C	· ·
Water Marks (B1) Oxidized Rhizospheres at	long Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduced Iron	
Drift Deposits (B3) Recent Iron Reduction in	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remark Inundation Visible on Aerial Imagery (B7)	, , , ,
Water-Stained Leaves (B9)	<ul><li>FAC-Neutral Test (D5)</li><li>Sphagnum moss (D8) (LRR T, U)</li></ul>
Field Observations:	Sphagnum moss (Do) (ERR 1, U)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available:
Departure	
Remarks:	
Hydrology Present	
10.00gg Present	

#### VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WONDSFW

70.20		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 / 30	% Cover	Species?		Number of Dominant Species , , /
1. Liquidamber Styraciflua	20		FAC	That Are OBL, FACW, or FAC:(A)
2. Liriodendron tulipitera	20	<u> </u>	FAC 4	Total Number of Dominant
3. Pinus tarda	10	<u> </u>	FAC	Species Across All Strata (B)
4			V	
				Percent of Dominant Species
5.			***************************************	That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7.				1
8.			***************************************	Total % Cover of: Multiply by:
		= Total Co		OBL species x 1 =
50% of total cover: 25	20% of	f total cover	r: 10	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 x 30 )				FAC species x 3 =
1 Clethra alnifolia	5	1/	FACW	FACU species x 4 =
2 Acer rubrum	***************************************	Ý	FAC	UPL species x 5 =
3. Ilex opaca		<del></del>	FAC	Column Totals (A) (B)
M. T. C. C.				A A A A A A A A A A A A A A A A A A A
4. Myrica cerifera		<u> </u>	NI	Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6.				1 - Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
8.		***************************************		r
	75	= Total Co		3 - Prevalence Index is ≤3.0
500/ -/ 17				Problematic Hydrophytic Vegetation (Explain)
50% of total cover: <u>12</u> .	<u>→</u> 20% o	f total cove	r:	
Herb Stratum (Plot size. 30 y 30 )			parameter .	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1 Arundinaria gigantea		<u> </u>	FACW	be present, unless disturbed or problematic.
2. Wood wardia areolata	5	<u> </u>	ORL	Definitions of Four Vegetation Strata:
3. Osmundastrum cinnamenmenm		<u> </u>	FACW	
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5				more in diameter at breast height (DBH), regardless of height.
				Horgin.
6		and annual to the contraction between		Sapling/Shrub - Woody plants, excluding vines less
7				than 3 in DBH and greater than 3.28 ft (1 m) fall.
8.				Herb – All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10				
11				Woody vine – All woody vines greater than 3.28 ft in height.
i a				neight.
12	> ()			
15		= Total Co		
50% of total cover: //	20% o	f total cove	r: <u> </u>	
Woody Vine Stratum (Plot size 30 x 30 )				
1 Toxicodendron radicans	10	Y	FAC	
2. Smilax rotundifolia	-5	Y	FAC	
3. Smilax alauca		<del>- 1</del>	FAC	
	- <del>- 2</del> -	<del>- 1.</del> ,		
4. Lonicera Saponica		4	FAC	
5				Hydrophytic
	25	= Total Co	ver	Vegetation
50% of total cover: 12.	≤ 20% o	f total cove	ır. 5	Present? Yes No
Remarks (If observed, list morphological adaptations bel				
	,			
11 1 1 1 Lation	D (	= 0< A	v.D	
Hydrophytic Vegetation		the my man	8 / 1/0"	
/ /				
·				

#### SOIL

W861+013 +- W Sampling Point: \_\_\_\_\_

DepthMa		ii needed to docu	ment the i	ndicator	or confirm	the absence	of indicato	rs.)	
1	trix .		ox Feature		<del></del>				
(inches) Color (mois	st) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>	inas	Remarks	<u></u>
200 1000	<del>2</del>					<u> </u>	10%	ynion	Ed
071	<del>-</del> /-/				***************************************	<u> 56</u>	270	uncol	iteel
							**		
							***************************************		
							•		
1							***************************************		
<sup>1</sup> Type: C=Concentration, D Hydric Soil Indicators: (A	=Depletion, RM=	Reduced Matrix, M	IS=Masked	Sand Gra	ains.	*Location:	PL=Pore Li	ining, M=Matri	(, , _ : : _ 3.
Histosol (A1)	phiicable to all t	Polyvalue B			оре т п			matic Hydric S	iolis":
Histic Epipedon (A2)		Thin Dark S					Muck (A9) <b>(L</b> Muck (A10) <b>(</b>		
Black Histic (A3)		Loamy Mucl							ILRA 150A,B)
Hydrogen Sulfide (A4)		Loamy Gley						ain Soils (F19)	
Stratified Layers (A5)		Depleted Ma	, ,				_	Loamy Soils (I	<sup>2</sup> 20)
Organic Bodies (A6) (L 5 cm Mucky Mineral (A		Redox Dark Depleted Da				•	RA 153B)	-1 (TEO)	
Muck Presence (A8) (L		Redox Depr					arent Materi	ai (1F2) : Surface (TF1:	2)
1 cm Muck (A9) (LRR F		Marl (F10) (I		<i>o</i> ,			(Explain in F		-)
Depleted Below Dark S		Depleted Oc						•	
Thick Dark Surface (A1 Coast Prairie Redox (A	2)	Iron-Mangar	nese Mass	es (F12) (I	_RR O, P, 1			Irophytic veget	
Coast Prairie Redox (A	16) (MLRA 150A S1) (I PP O. S)	) X Umbric Surf. Delta Ochric			U)		•	ogy must be pr	•
Sandy Gleyed Matrix (S		Reduced Ve			0A. 150B)	uni	ess disturbe	d or problemat	IC.
Sandy Redox (S5)	,	Piedmont FI				9A)			
Stripped Matrix (S6)		Anomalous				•	, 153D)		
Dark Surface (S7) (LRF						MINISTER			
Restrictive Layer (if obser	ved):								
Type: Depth (inches):									
									No
						Hyaric Soil	Present?	Yes X	
Remarks:						Hydric Soil	Present?	YesX_	
						Hydric Soil	Present?	YesX	
Remarks:	1	1	,			Hydric Soil	Present?	Yes	
Remarks:	drie soi	l Dre	sent			Hydric Soil	Present?	Yes	14
Remarks:	drie soi	1 Pre	sent			Hydric Soil	Present?	Yes X	3,
Remarks:	drie soi	1 Pre	sent	in and		Hydric Soil	Present?	Yes	t <sub>i</sub>
Remarks:	drie soi	Pre	sent			Hydric Soil	Present?	Yes	31
Remarks:	drie soi	1 Pre	sent	in the state of th		Hydric Soli	Present?	Yes X	31
Remarks:	drie soi	1 Pre	sent	in.		Hydric Soli	Present?	Yes	4:
Remarks:	drie soi	1 Pre	sent	in and a second		Hydric Soil	Present?	Yes	÷:
Remarks:	drie soi	Pre	sent			Hydric Soil	Present?	Yes	34.
Remarks:	drie soi	Pre	sent	in the second		Hydric Soil	Present?	Yes	34
Remarks:	drie soi	Pre	sent	in and		Hydric Soli	Present?	Yes	1.
Remarks:	drie soi	Pre	sent			Hydric Soil	Present?	Yes	3.
Remarks:	drie soi	Pre	sent			Hydric Soil	Present?	Yes	34
Remarks:	drie soi	Pre	sent			Hydric Soil	Present?	Yes	
Remarks:	drie soi	Pre	sent			Hydric Soil	Present?	Yes	
Remarks:	drie soi	Pre	sent			Hydric Soil	Present?	Yes	3.
Remarks:	drie soi	Pre	sent			Hydric Soil	Present?	Yes	
Remarks:	drie soi	Pre	sent			Hydric Soil	Present?	Yes	
Remarks:	drie soi	Pre	sent			Hydric Soil	Present?	Yes	

# wroh013f\_w



wroh013f\_w facing east



wroh013f\_w facing south

#### WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Sampling Date Sept 2014 Project/Site. Applicant/Owner: Investigator(s) Section, Township, Range: \_\_\_ Landform (hillslope, terrace, etc.): \$ Local relief (concave, convex, none): Conco VC Subregion (LRR or MLRA) Soil Map Unit Name: Johns NWI classification: P55 Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_ (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. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? \_ No \_\_ Wetland Hydrology Present? Yes Remarks: **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) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Depth (inches) Water Table Present? Depth (inches) Saturation Present? Wetland Hydrology Present? Yes No Depth (inches) (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available Remarks hydrology present

Tree Stratum (Plot size: 30 x 30	Absolute	Dominant	Indicator	Dominance Test worksheet:
1. None Present		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
·		***************************************		Total Number of Dominant Species Across All Strata. (B)
				Percent of Dominant Species That Are OBL, FACW. or FAC: (A/B)
			***************************************	Prevalence Index worksheet:
				Total % Cover of: Multiply by:
		= Total Cov	IOT	OBL species x 1 =
50% of total cover:		total cover		FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 × 30 )		total cover		FAC species x 3 =
- Liguidam bur styraci 2100	60	y	FAC	FACU species x 4 =
Pikus tueda	10	<sup>7</sup> N	FAC.	UPL species x 5 =
Persea husbania		M	FACW	Column Totals: (A) (B)
Liriodendran tulipitera		<u> </u>	FACU	Prevalence Index = B/A =
Magnelia Virginia	2	<u> </u>	FACW	Hydrophytic Vegetation Indicators:
The correcta			FACW	1 - Rapid Test for Hydrophytic Vegetation
7.	-			2 - Dominance Test is >50%
3	Col	~		3 - Prevalence Index is ≤3.01
50% of total cover:	20% of	= Total Cor total cover	ver / 6.8	Problematic Hydrophytic Vegetation¹ (Explain)
Herb Stratum (Plot size. 30 x 30)		<b>\</b>	CARLL	Indicators of hydric soil and wetland hydrology must
Wood wardig greatata		<del>-</del>	FACW	be present, unless disturbed or problematic.
		<del></del>	<u> </u>	Definitions of Four Vegetation Strata:
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o more in diameter at breast height (DBH), regardless of height.
)		****************		Sapling/Shrub Woody plants, excluding vines less
				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
3				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11				Woody vine - All woody vines greater than 3.28 ft in height.
gts	10	= Total Co	ver	
50% of total cover:	20% o	f total cover	: <u> </u>	
Moody Vine Stratum (Plot size 30 x 30)			#1000 A 100	
Smilax Javricalia	- 10	<u> </u>	FAC	
Leventhue avillacis	<u> </u>	<del></del>	FACW	
- Krbus orgutus	<u> </u>	7	EV-	
5	77			Hydrophytic
50% of total cover:		= Total Co f total cove	State of	Vegetation Present?  Yes No
Remarks (If observed, list morphological adaptations belo	ow).			
hydrophytic veg	etil	ion	Pre	sen
	oer		1	

Sampling Point: 1000/35-W ators.)

Profile Desc	ription: (Describe to the de	oth needed to docur	nent the indicator	or confirm	the absence of ind	licators.)
Depth	Matrix	Redo	x Features			
(inches)	Color (moist) %	Color (moist)	<u>% Type`</u>	<u>Loc²</u>	<u>Texture</u>	Remarks
0-20	10165/1		-		Kasari	
					······	
CONTROL OF The Sales of the Sal						
	17 Works and head specific and					
		A ROLL WHEN THE RESIDENCE OF THE PROPERTY OF T		* Herminal Mark value are access	W. A.	
		***************************************	-			
¹Type: C=C	oncentration, D=Depletion, RM	-D			2	
Hydric Soil	Indicators: (Applicable to al	I RRs unless other	S=Masked Sand G	rains.		fore Lining, M=Matrix.
Histosol				55 6 T (1)		roblematic Hydric Soils <sup>3</sup> :
	nipedon (A2)	Thin Dark Su	elow Surface (S8) (I urface (S9) (LRR S,	LKK 5, 1, U)	F	49) (LRR 0) 410) (LRR S)
Black Hi			y Mineral (F1) (LRI			rtic (F18) (outside MLRA 150A,B)
	n Sulfide (A4)		ed Matrix (F2)	(0)		podplain Soils (F19) (LRR P, S, T)
Stratified	i Layers (A5)	Depleted Ma				Bright Loamy Soils (F20)
	Bodies (A6) (LRR P, T, U)	Redox Dark	Surface (F6)		(MLRA 15:	
	icky Mineral (A7) (LRR P. T. U		rk Surface (F7)		Red Parent I	Material (TF2)
	esence (A8) (LRR U)	Redox Depre	, ,			/ Dark Surface (TF12)
	dck (A9) <b>(LRR P, T)</b> d Below Dark Surface (A11)	Marl (F10) (L		<b></b> 4.	U Other (Expla	in in Remarks)
	ark Surface (A11)		hric (F11) <b>(MLRA 1</b> ese Masses (F12)		31	
	rairie Redox (A16) <b>(MLRA 150</b>	A) Umbric Surfa	ice (F13) (LRR P, 1	(LKK U, P, 1		of hydrophytic vegetation and ydrology must be present.
	lucky Mineral (S1) (LRR O, S)	- Partitud	(F17) (MLRA 151)			sturbed or problematic.
Sandy G	Bleyed Matrix (S4)		rtic (F18) (MLRA 1		amoso are	starbod of problematic.
Sandy R	Redox (S5)		odplain Soils (F19		<del>)</del> A)	
	Matrix (S6)	Anomalous E	Bright Loamy Soils	(F20) (MLRA	A 149A, 153C, 153E	))
	rface (S7) (LRR P, S, T, U)					
	Layer (if observed):					
l .		***************************************				The state of the s
Depth (in	ches).				Hydric Soil Prese	ent? Yes No
Remarks		THE RESERVE THE PROPERTY OF THE PARTY OF THE	CONTRACTOR OF THE PROPERTY OF	ra e sa sa asere a anna a sana a sana a sana a sana a sana a	<ul> <li>В не от техно об техно по поточно по техно по по техно по те</li></ul>	
anayomaday yana						
	1					
	Mydric Soi	presen				
		1				
Control of the Contro						
						To the state of th
-						

# wroh013s\_w



wroh013s\_w facing east



wroh013s\_w facing south

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Applicant/Owner:		State:	Sampling Date: 5 32 pt 20. Sampling Point: Wroh 0/3
Landform (hillslope, terrace, etc.): Terrace	Section, Township, Range:_ Local relief (concave, convex	, none): <u>Carve</u>	Slope (%):3 Datum: Slope (%)
Are vegetation, Soil, or Hydrology naturally pro-	disturbed? Are "Norma	al Circumstances" p	present? Yes No
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locati	ons, transects	, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:	Is the Sampled Area within a Wetland?	Yes	No
HYDROLOGY			
Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes No Depth (inches	3) 5) (LRR U) Odor (C1) heres along Living Roots (C3) ced Iron (C4) ction in Tilled Soils (C6) e (C7) Remarks)	Surface Soil Sparsely Ve Drainage Pa Moss Trim L Dry-Season Crayfish Bur Saturation V Geomorphic Shallow Aqu	getated Concave Surface (B8) tterns (B10) ines (B16) Water Table (C2) rows (C8) isible on Aerial Imagery (C9) Position (D2) itard (D3)
Water Table Present? Yes No Depth (inches Saturation Present? Yes No Depth (inches (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial phot	s): Wetland	Hydrology Preservailable:	nt? Yes No No
Remarks.	resent		

wroh 013 - 4

#### VEGETATION (Four Strata) - Use scientific names of plants.

- Ose scientific flat	nes or pr	ains.		Sampling Point:
90.90	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30430)		Species?		
1. Pinus to eda	40	V		Number of Dominant Species
1. Hungaran			FAC	That Are OBL, FACW, or FAC: (A)
2. Liquidanbur Stylasifium	25	Y	FAC	
3 Tex coccu			IN	Total Number of Dominant
		_/ <u>^</u>		Species Across All Strata (B)
4. Quercus nigra	~	N	FAC	
				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				
7		***************************************		Prevalence Index worksheet:
7			-	
8.				Total % Cover of: Multiply by:
	20	= Total Cov	***************************************	OBL species x 1 =
hear	_0	= Total Cov	ver <sub>//</sub>	
50% of total cover: 🕌 🗘	20% of	total cover	. 10	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 30 )				FAC species x 3 =
Approximation of the contract	· Com		Cia	
1 They opauca	19	_ V	por filler	FACU species x 4 =
2 QUEFCUS NIACA	4	M	FAC	UPL species x 5 =
Alan e La Via				Column Totals: (A) (B)
3. Mysa sylvadica	_2_	_/%	FAC	Column Fordis(7)
4. Acechubrum	2	$\wedge$	FAC	
		<del></del>		Prevalence Index = B/A =
5			***************************************	Hydrophytic Vegetation Indicators:
6				
				1 - Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
8.				——————————————————————————————————————
	~ ~ 1	T		3 - Prevalence Index is ≤3.0 <sup>1</sup>
		= Total Co	ver	Problematic Hydrophytic Vegetation (Explain)
50% of total cover:	20% of	f total cover	· 5, ***	
Herb Stratum (Plot size. 30/30)				
	3 om	41	per .	¹Indicators of hydric soil and wetland hydrology must
1 Clethra alnifolia	10	) j	FACW	be present, unless disturbed or problematic.
2 Acundinaria gigan teu	6	V	FACW	Definitions of Four Vegetation Strata:
			<del></del>	Definitions of Pour Vegetation Strata.
3. Vaccinium stamineum			FK U	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4 Hexastylis mines	9	Λi	NI	more in diameter at breast height (DBH), regardless of
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1				
5.				height.
6				Carling/Charle Mandualante aududing gas lane
The state of the s	Ter 81 (0.00			Sapling/Shrub - Woody plants, excluding vines less
THE STATE OF STATE AND ADDRESS OF THE STATE	Selection of the select	11 1 00-00-70-70-70-70-70-70-70-70-70-70-70-7		than 3 in DBH and greater than 3.28 ft (1 m) tall.
8				H. A. All b. d. a.
0				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				100 000 000 000 000 000 000 000 000 000
				Woody vine – All woody vines greater than 3.28 ft in
11				height.
1 12				
	10	- T-1-1 ()-		
(A) #	, <del>-   -   -  </del>	= Total Co	12 13	
50% of total cover:	20% o	f total cover	r: <u>20</u>	
			29	
	s 40-	8.8	Bellistan	
1 Donilax rotanditolia	10		TAC	
2 Leverther Oxillaris	1/(3	'N/	STA C	
2. 3. 3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		<del></del>	<u> </u>	
3.		-		
4				
1.			·	
5				Hydrophytic
	70	= Total Co	ver :	Vegetation
l'an	_floress_2ndf		2.4	Present? Yes No
50% of total cover: 💋	20% o	f total cove	r:	1000.11
Remarks (If observed, list morphological adaptations belo	2141)		***************************************	
i samura in occarion, nor morphiological adaptations being	, , , , , , , , , , , , , , , , , , ,			
E				Δ.
hydrophytic	Veret	ation	OF B	CONT
ryero pry 1 · C	Arac.	ns 1 1 50 F %	home is the	A Second Second
	**			
1				

wrohul3-4

Profile Des	cription: (Describe	to the depth	n needed to docum	nent the i	ndicator	or confirm	the absence	of indicate	ors.)	7000.
Depth	Matrix		Redox	x Feature:	S				•	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type'	Loc <sup>2</sup>	<u>Texture</u>	1.04.	Remar	ks
3-3-	<del>-                                      </del>	<u> 100</u> _						40%	uncoc	rted
2-16-	10 W 3/Z	<u> </u>					<u> </u>			
12-16	1018 4/2	100_					S			
18-24	101R 3/3	100					€			
	- t prot to a constructive to a sold - when a supplication of a constitution of the co	the state of the s	The second state of the provided second state of the second secon							
*** ** ********************************	- first, the - cap is the contenting species content to the a tention programmer at			***************************************			VIII AA 10 00 00 00 00 00 00 00 00 00 00 00 00		***************************************	
CARRIED A COMPANIAN AND AND ADDRESS OF THE PARTY OF THE P	• And for a substitution of the state of the				***************************************	***************************************				
17 00					***************************************					
Hydric Soil	oncentration, D=Dep Indicators: (Applic	oletion, RM=F	Reduced Matrix, MS	=Masked	Sand Gr	ains.	<sup>2</sup> Location:	PL=Pore L	ining, M=N	latrix.
Histosol		able to all L					Indicators		-	ric Soils <sup>3</sup> :
	pipedon (A2)		Polyvalue Bel Thin Dark Sui	low Surfac	ce (S8) <b>(L</b>	RR S, T, U		luck (A9) (I		
	istic (A3)		Loamy Mucky					luck (A10)		de MLRA 150A,B)
Hydroge	en Sulfide (A4)		Loamy Gleye	d Matrix (	F2)	. 0,				19) (LRR P, S, T)
	d Layers (A5)		Depleted Mat				1 1		Loamy So	
	Bodies (A6) (LRR P		Redox Dark S		,		1 1	RA 153B)		
	ucky Mineral (A7) (Lf Tesence (A8) (LRR U		Depleted Dark		` '		7	arent Mater		
	uck (A9) (LRR P, T)	′′	Marl (F10) (LI	•	5)			hallow Darl Explain in l	k Surface (	TF12)
	d Below Dark Surfac	e (A11)	Depleted Och		(MLRA 1	51)	Uniter (	- Apiaiii iii	(Centains)	
	ark Surface (A12)		☐ Iron-Mangane	ese Masse	es (F12) (	LRR O, P,	T) <sup>3</sup> Indic	ators of hyd	drophytic ve	egetation and
	rairie Redox (A16) (I					, U)	wet	and hydrol	ogy must b	e present.
	Mucky Mineral (S1) (I Bleyed Matrix (S4)	LRR O, S)	Delta Ochric (			04 4505	unle	ess disturbe	ed or proble	ematic.
	Redox (S5)		Reduced Vert Piedmont Flor				2 / 1			
Stripped	Matrix (S6)		Anomalous B					153D)		
	rface (S7) (LRR P, S			Ü	,	.,,,	,	,,,,,		
-	Layer (if observed):									
1										Control of the contro
	ches).			77.157.00.00			Hydric Soil	Present?	Yes	No
Remarks						TO the second distance when graph designation of the second				The second secon
manance and a contract of the										
-										
							,			
	$\sim$	vide: c	Soil n	4	90	2500				
		JOIL	2011 1/	00	1					
пантиропия										
e acces										
tomor and an analysis of										
İ										

# wroh013\_u



wroh013\_u facing west



wroh013\_u facing north

# wroh013f soil



wroh013f soil non-hydric/hydric

### wroh013s soil



wroh013s soil hydric

### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site. AC P City/C	ounty: Roberson Sampling Date:	September 3014
Applicant/Owner: Dominion	State: NC Sampling Point:	wroh 0125-W
Investigator(s): DD We5+ Section		
Landform (hillslope, terrace, etc.); Deposition   Local	elief (concave, convex, none): Concave Slope	e (%):
Subregion (LRR or MLRA). PLat: 346 45	29,435 Long: 79°06' 23,274 Date	um: NGS 84
Soil Map Unit Name:	NWI classification: PSS	
Are climatic / hydrologic conditions on the site typical for this time of year? Y		
Are Vegetation, Soil, or Hydrology significantly distur	ed? Are "Normal Circumstances" present? Yes	No
Are Vegetation, Soil, or Hydrology naturally problems	tic? (If needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important fe	atures, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sampled Area within a Wetland? Yes No	-
Remarks: Recently Clearcut area		
HYDROLOGY		17.00
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) Aquatic Fauna (B13) High Water Table (A2) Marl Deposits (B15) (LRI	Sparsely Vegetated Concave S  Drainage Patterns (B10)	Surface (B8)
High Water Table (A2)  Saturation (A3)  Hydrogen Sulfide Odor (4)		
Water Marks (B1)  Oxidized Rhizospheres a		
Sediment Deposits (B2)		
Drift Deposits (B3)	Tilled Soils (C6) Saturation Visible on Aerial Im-	agery (C9)
Algal Mat or Crust (B4)  Thin Muck Surface (C7)	Geomorphic Position (D2)	
☐ Iron Deposits (B5) ☐ Other (Explain in Remark		
Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	☐ FAC-Neutral Test (D5) ☐ Sphagnum moss (D8) (LRR T,	10)
Field Observations:	Spriagrium moss (Do) (ERK 1,	, 0)
Surface Water Present? Yes No Depth (inches):		
Water Table Present? Yes No Depth (inches):		
Saturation Present? Yes No Depth (inches):		No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:	
Remarks:		

2	Absolute	Dominan	t Indicator	Dominance Test worksheet:
1. None Present				Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
3				Total Number of Dominant Species Across All Strata: (B)
4				Percent of Dominant Species That Are OBL, FACW. or FAC: (A/B)
6				Prevalence Index worksheet:
7.         8.			-	Total % Cover of: Multiply by:
	0	= Total Co	over	OBL species x 1 =
50% of total cover:	20% 0	f total cove	er: <u>()</u>	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 x 30 )				FAC species x 3 =
1. Phytolacca american	15	7	FACY	FACU species x 4 =
2				UPL species
3.				Column Totals (A)
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators;
7				1 - Rapid Test for Hydrophytic Vegetation
8		-		2 - Dominance Test is >50%
		= Total Co	over	3 - Prevalence Index is ≤3.0¹  Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 35	20% 0	f total cove	er: 3	Problematic Hydrophytic Vegetation (Explain)
Herb Stratum (Plot size. 30 +30 )				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Corex intumessens		7,	FACW	be present, unless disturbed or problematic.
2. Andropagon Virginica	5	N	FAC	Definitions of Four Vegetation Strata:
3. Digitaria Ciliaris	-		FACY	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5				height.  Sapling/Shrub Woody plants, excluding vines less
7.				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10				
12		= Total C		
50% of total cover: 35		of total cov		
Woody Vine Stratum (Plot size. 30430)			15 (220ml) 15 (	
1 I pomea SP	30	Ч	NI	
2. Rubus argutus	15	<u> </u>	FAC	
3.				
4.				
5	11 6			Hydrophytic
22.4	_15_	= Total C	0	Vegetation Present? Yes No
50% of total cover:		of total cov	er:	
Remarks (If observed, list morphological adaptations belo	ow).			
İ				

Profile Desc Depth	cription: (Describe	to the dept				or confirm	the absence of	of indicators.)
(inches)	Matrix Color (moist)	%	Color (moist)	ox Feature %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-21	10422/1	98	10425/4	>	0	PL	SL	, volume
		10						
-								
					***************************************	W. C.	Mark and Advance and Advanced Advanced	
	Marine a marine advantage of the second and the sec			-	-			
1- 0.0								
Hydric Soil	oncentration, D=De Indicators: (Appli	pletion, RM=	Reduced Matrix, N	1S=Masked	Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Histosol		Cable to all			100	DD 0 7 11		for Problematic Hydric Soils <sup>3</sup> :
	pipedon (A2)		Polyvalue B Thin Dark S					luck (A9) (LRR O) luck (A10) (LRR S)
	istic (A3)		Loamy Muc					ed Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley			. 0)		ont Floodplain Soils (F19) (LRR P, S, T)
Stratified	d Layers (A5)		Depleted M					lous Bright Loamy Soils (F20)
	Bodies (A6) (LRR		Redox Dark	Surface (F	<sup>-</sup> 6)		(MLR	RA 153B)
	ucky Mineral (A7) (L		Depleted Da					arent Material (TF2)
lummed.	resence (A8) (LRR uck (A9) (LRR P, T)		Redox Depi		8)			hallow Dark Surface (TF12)
	d Below Dark Surfa		Marl (F10) ( Depleted O		/MI DA 1	<b>51</b> \	Other (	Explain in Remarks)
	ark Surface (A12)	00 (/////	Iron-Manga				T) <sup>3</sup> Indica	ators of hydrophytic vegetation and
Coast P	rairie Redox (A16)							land hydrology must be present.
	Mucky Mineral (S1)	(LRR O, S)	Delta Ochri			37 352	unle	ess disturbed or problematic.
	Gleyed Matrix (S4)		Reduced Ve					
	Redox (S5)		Piedmont F				7	
	l Matrix (S6) Irface (S7) (LRR P,	e 7 11)	Anomalous	Bright Loa	my Soils (	F20) (MLR)	A 149A, 153C,	, 153D)
	Layer (if observed						Ι	
	ches).						Hydric Soil	Present? Yes No
Remarks							riyuric 30ii	Present res
riomamo								
						<u> </u>		

# wroh012s\_w



wroh012s\_w facing east



wroh012s\_w facing south

#### WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Sampling Date: 4 September 2014 Project/Site Applicant/Owner: Sampling Point: 4 1 Coh @ Investigator(s): 70 West Section, Township, Range: Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Con Cave Lat: 34°45' 27,794' Long: Subregion (LRR or MLRA): Soil Map Unit Name: Noc Folk NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_ No (If no, explain in Remarks.) Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_\_ No \_\_\_ 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? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: clearcut area **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) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) Marl Deposits (B15) (LRR U) High Water Table (A2) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes \_\_\_\_\_ No \_\_\_\_ Depth (inches): Water Table Present? Yes \_\_\_\_ No \_\_\_ Depth (inches): Saturation Present? Wetland Hydrology Present? Yes \_\_\_ Yes \_\_\_\_ No \_\_\_ Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks

### VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: W 10 h 0/2 - 4

Tree Stratum (Plot size: 30×30 )	Absolute Domin	ant Indicator	Dominance Test worksheet:
0	% Cover Specie		Number of Dominant Species That Are OBL, FACW, or FAC:
2			Total Number of Dominant Species Across All Strata: (B)
4.         5.			Percent of Dominant Species That Are OBL, FACW, or FAC:  (A/B)
6			,
7			Prevalence Index worksheet:
8			Total % Cover of:Multiply by:
	= Total	Cover	OBL species x 1 =
50% of total cover:	20% of total co	ver:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 304 30 )			FAC species x 3 =
1. none Present			FACU species x 4 =
2			UPL species x 5 =(A)
3.			Column Totals: (A) (B)
4.			Prevalence Index = B/A =
5			Hydrophytic Vegetation Indicators:
6.			1 - Rapid Test for Hydrophytic Vegetation
7.			2 - Dominance Test is >50%
8			3 - Prevalence Index is ≤3.01
	= Total	Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	20% of total co	over: _()	
Herb Stratum (Plot size. 30 30 )	40 4	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Andropogon Virginicas			be present, unless disturbed or problematic.
2. Lespedeza bicdar	10 7	NI	Definitions of Four Vegetation Strata:
3. Digitaria Cilianis 4. Senna obtusifolia	- 10 N	FACU	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
		Facu	more in diameter at breast height (DBH), regardless of height.
5.			neight.
6			
7.			than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10.			Woody vine - All woody vines greater than 3.28 ft in
11			height.
12			
20	= Total	Cover	Make the All to the control of the set of the control of the contr
50% of total cover: 之	20% of total c	over: 🔼	,
Woody Vine Stratum (Plot size 30 x 30 )	000	NI	
1 Igamea SP	<u> </u>		2
2. Robos argutus	5 1	FR	
3			-
4.			
5	do Pa		- Hydrophytic
		Cover	Vegetation Present? Yes No No No
50% of total cover: \\\^2	20% of total c	over: 2	- resent? res No
Remarks (If observed, list morphological adaptations l	pelow).	***************************************	

	cription: (Describe	to the depth			dicator	or confirm	the absence of i	ndicators.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Features %	Type!	Loc²	Texture	Remark	e
0-7	104R4/2						1-S	rvemark	9
7.20	10425/4			-			16		
7.20	10/03/9						45		
	***************************************	representation and							
				-					
							2 May 2 Company		
	SAMPLE CONTROL OF THE PARTY OF			-		****************			
Type: C=C	one outseties D.D.						2		
Hydric Soil	oncentration, D=Dep Indicators: (Applic	able to all I R	Rs unless other	S=Masked S	sand Gr	ains.		Problematic Hydr	
☐ Histosol		unio to un E1		elow Surface	1100	PP S T I	4500004	(A9) (LRR O)	ic dolls .
hond	pipedon (A2)			urface (S9) (				(A10) (LRR S)	
Black Hi	stic (A3)			ky Mineral (F			and the same of th	/ertic (F18) (outsid	e MLRA 150A,B)
	n Sulfide (A4)		Loamy Gley	ed Matrix (F.				Floodplain Soils (F	
1	Layers (A5)	<b>7</b> 10	Depleted Ma					s Bright Loamy Soil	s (F20)
	Bodies (A6) (LRR Pucky Mineral (A7) (LF			Surface (F6 ark Surface (			(MLRA 1	<b>I53B)</b> nt Material (TF2)	
	esence (A8) (LRR U			essions (F8)				ow Dark Surface (T	F12)
1 cm Mu	ick (A9) (LRR P, T)	•	Marl (F10) (	, ,				olain in Remarks)	1 12)
	d Below Dark Surfac	e (A11)		chric (F11) (I				•	
Particular Services	ark Surface (A12)	81 D 4 480 41		nese Masses				rs of hydrophytic ve	
and the same of th	rairie Redox (A16) (N Nucky Mineral (S1) (I	AS 2		ace (F13) (L c (F17) (MLR		, U)		hydrology must be	
	Bleyed Matrix (S4)	-IXIX (0, 3)		ertic (F18) (N		0A 150B)		disturbed or proble	matic.
	Redox (S5)			loodplain Soi					
	Matrix (S6)						A 149A, 153C, 15	3D)	
	rface (S7) (LRR P, S						_		
	Layer (if observed):								_
	-h \		-					2 00	1
	ches).				manage of the same		Hydric Soil Pre	sent? Yes	No
Remarks									

# wroh012\_u



wroh012\_u facing west



wroh012\_u facing north

# wroh012 soil



wroh012 soil hydric/non-hydric

#### WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region City/County: Robeson Sampling Date. 9/4/14 Sampling Point: wroh011f\_w Investigator(s): DOWEST Section, Township, Range: \_\_\_\_\_ Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): 1500 Slope (%): 0 Subregion (LRR or MLRA): NWI classification: PFO Soil Map Unit Name: 15 4 5 - 3 No \_\_\_\_\_ (If no, explain in Remarks.) Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_ Are "Normal Circumstances" present? Yes \_ No 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? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: **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) \_\_\_ Sparsely Vegetated Concave Surface (B8) Aquatic Fauna (B13) High Water Table (A2) Drainage Patterns (B10) \_\_\_ Marl Deposits (B15) (LRR U) \_\_\_ Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Saturation (A3) \_\_ Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) \_\_\_ Crayfish Burrows (C8) Sediment Deposits (B2) Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Algal Mat or Crust (B4) Thin Muck Surface (C7) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) XFAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: Yes \_\_\_\_ No \_\_\_\_ Depth (inches): \_\_\_ Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Withand hydrology inelicates are present Remarks:

### VEGETATION (Four Strata) – Use scientific names of plants.

WroH011f-	W
Sampling Point:	

7.0		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size:)	-	Species?	Status	Number of Dominant Species
1. Liquidamber Styrecillan	12	-4	FITC	That Are OBL, FACW, or FAC: (A)
2. Nysson Sillean Sylvatica	15_		FAC	Total Number of Dominant
3. Pinci facale	12	7	FAC	Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				Volume - Vol
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	45	= Total Co	ver	OBL species x 1 =
50% of total cover: 22			- PER	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 36 )	7 20 % 0.	10101 0010		FAC species x 3 =
1. Ages rybym	14	Y	FAR	FACU species x 4 =
2. 1 1860 I Have Sylvetica	10	~	FILE	UPL species x 5 =
		-	1AC	Column Totals: (A) (B)
3. Liguidambar styracitha	10	7	TAU	(-/
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.0¹
	30	= Total Co	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 15	20% of	total cove	r: <u>6</u>	
Herb Stratum (Plot size:)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Cleathers almiblia	10	7	FACW	be present, unless disturbed or problematic.
2. Smilers clerices	5	Y	FAU	Definitions of Four Vegetation Strata:
2			-,	John Marie Co. Com Cogeration Change
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of height.
5				
6				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12				
	15	= Total Co	ver	
50% of total cover:	5 20% of	total cover	:_3_	2 4
Woody Vine Stratum (Plot size: 36)				
1. Smilar palaria	10	4	FAC	
2 /m. low Astronofolia	70	Y	FAC	
3.	-	-/	1110	(a)
4				34
T				
5	76			Hydrophytic
		= Total Co	0	Vegetation Present? Yes No
50% of total cover: 15		total cover	:_6	
Remarks: (If observed, list morphological adaptations belo	ow).			*
The Para 1 h	1. 1	1	,	
The dan. veg. is hyd	roph	TTI		_
,	•	93		
, '				
				, * 1

WRO HOILE W
Sampling Point:

	cription. (Describe			io illuloutoi	01 0011111111	the absence of i	,		
Depth	Matrix		Redox Feat	-	. 2		9	Damarka	
(inches)	Color (moist)	Color (mo	oist) %	Type'	Loc <sup>2</sup>	Texture		Remarks	
624	10-16-6/1							<del></del>	P-Marine
4-8	107/2/					<b>%</b> L		. ).	1
8-16+	18416/1					BOL			the second
0-10	1-1.19								
						4.00			
					7577	The second second			
				Colombia Colombia	-17				
	_		1-63-30	AND THE PARTY OF THE			500 St 10 St	000 DND 00 DI	
<sup>1</sup> Type: C=0	Concentration, D=Dep	oletion, RM=Reduced Ma	atrix, MS=Mas	ked Sand G	ains.	<sup>2</sup> Location: PL			
Hydric Soi	I Indicators: (Applic	able to all LRRs, unles				Indicators for			oils":
Histos	ol (A1)	Polyv	alue Below Su	urface (S8) (I	RR S, T, U		k (A9) <b>(LR</b> R		
	Epipedon (A2)		Dark Surface				k (A10) (LR		
Black	Histic (A3)		ny Mucky Mine		₹0)				LRA 150A,B)
Hydrog	gen Sulfide (A4)		ny Gleyed Mat						LRR P, S, T)
Stratifi	ed Layers (A5)		eted Matrix (F			The second secon		amy Soils (F	20)
	ic Bodies (A6) (LRR F	· · · · · · · · · · · · · · · · · · ·	x Dark Surfac			(MLRA		TEO)	
-	Mucky Mineral (A7) <b>(L</b>		eted Dark Surf				nt Material (		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
( Table 1   100	Presence (A8) (LRR I		x Depression					urface (TF12	1
	Muck (A9) (LRR P, T)		(F10) (LRR U		E4\	Other (Ex	plain in Rer	liaiks)	
	ted Below Dark Surface		eted Ochric (F			T) 3Indicate	re of hydro	ohytic vegeta	ation and
	Dark Surface (A12)		Manganese M					must be pre	
	Prairie Redox (A16) (		ric Surface (F					or problemati	
-	Mucky Mineral (S1)		a Ochric (F17)				distarbed t	n probleman	
Agency Committee of the	Gleyed Matrix (S4)		uced Vertic (F´ mont Floodpla						
A CONTRACTOR OF THE PARTY OF TH	Redox (S5)					A 149A, 153C, 1	53D)		
	ed Matrix (S6)		naious Bright	Luarity Julia	(1 20) <b>(ML)</b>	A 140A, 1000, 1	,		
	Surface (S7) (LRR P, e Layer (if observed								
Restrictiv	e Laver (II observed								
10.74		):						,	
Type: _		):						/as ×	No
						Hydric Soil Pi	resent? \	res X	No
		): 				Hydric Soil Pi	resent? \	/es X	No
Depth (	(inches):				1	Hydric Soil Pi	resent? \	(es	No
Depth (	(inches):		ator	2006	ent	Hydric Soil Pi	resent?	/es_X	No
Depth (	(inches):	oil jadir	afos	prec	ent	Hydric Soil Pr	resent?	/es_X	No
Depth (	(inches):		afes	prec	ent	Hydric Soil Pr	resent?	/es	No
Depth (	(inches):		afes	prec	en)	Hydric Soil Pr	resent? \	/es_X	No
Depth (	(inches):		afos	prie	en)	Hydric Soil Pi	resent?	/es	No
Depth (	(inches):		afos	pres	en)	Hydric Soil Pi	resent?	/es	No
Depth (	(inches):		atos	pres	ent	Hydric Soil Pi	resent?	/es	No
Depth (	(inches):		afos	pres	ent	Hydric Soil Pi	resent?	/es	No
Depth (	(inches):		afos	pres	ent	Hydric Soil Pi	resent?	/es_X	No
Depth (	(inches):		afos	pres	ent	Hydric Soil Pi	resent?	/es	No
Depth (	(inches):		enfors	pres	ent	Hydric Soil Pi	resent?	/es_	No
Depth (	(inches):		afes	price	ent	Hydric Soil Pi	resent?	/es_X	No
Depth (	(inches):		afes	prec	ent	Hydric Soil Pi	resent?	/es_X	No
Depth (	(inches):	oil jadic		prec	ent	Hydric Soil Pi	resent?	/es_X	No
Depth (	(inches):	oil jadic	afes	prec	en)	Hydric Soil Pi	resent?	/es_X	No
Depth (	(inches):	oil jadic		prec	en)	Hydric Soil Pi	resent?	/es_X	No
Depth (	(inches):	oil jadic		prec	en)	Hydric Soil Pi	resent?	/es_X	No
Depth (	(inches):	oil jadic		prec	en)	Hydric Soil Pi	resent?	/es_X	No
Depth (	(inches):	oil jadic		prec	en)	Hydric Soil Pi	resent?	/es_X	No
Depth (	(inches):	oil jadic		prec	en)	Hydric Soil Pi	resent?	/es_X	No
Depth (	(inches):	oil jadic		prec	en)	Hydric Soil Pr	resent?	/es_X	No
Depth (	(inches):	oil jadic		prec	en)	Hydric Soil Pr	resent?	ves_X	No
Depth (	(inches):	oil jadic		prec	en)	Hydric Soil Pr	resent?	/es_X	No

# wroh011f\_w



wroh011f\_w facing east



wroh011f\_w facing south

WETLAND DETERMINATION DATA	FORM – Atlantic and Gulf Coastal Plain Region 9/4/19
Project/Site: ACP	City/County: Robeso Sampling Date:
Applicant/Owner: Pominion	State: NC Sampling Point: Wholton
	Section, Township, Range:
Landform (hillslope, terrace, etc.): Flat	Local relief (concave, convex, none): Done (%):
Subregion (LRR or MLRA): Lat: 34°	245' 24, 169" Long: 74° 66' 40, 470" Datum: NGS E
Subregion (LRR of MLRA): 1 Lat: 39	ANAL classification AVME
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of ye	/ear? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrology naturally pr	oroblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	- Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	- ' '
Remarks: 41 3 parameter of	et present.
The state of the s	
NOT A WEILAND	
,	
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) Aquatic Fauna (B1	
High Water Table (A2) Marl Deposits (B1	
Saturation (A3) Hydrogen Sulfide	A STATE OF THE STA
Water Marks (B1) Oxidized Rhizospl Sediment Deposits (B2) Presence of Redu	MATERIAL TO SERVED TO CONTROL OF THE SERVED TO
	uction in Tilled Soils (C6)  Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface	
Iron Deposits (B5) Other (Explain in	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:  Surface Water Present? Yes No Depth (inchest)	
	es):
Saturation Present? Yes No Depth (inche	10
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if available:
Remarks:	
Wetland HYDROLOG	Y NOT PRESENT
di di	

### VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: \_\_\_\_

Tree Stratum (Plot size: 30		Dominant		Dominance Test worksheet:	
1. Place Jacks	% Cover 30	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	_ (A)
2. Quercy siege	10	Y	FAC		
3. Liguisdamber styralthing	10	9	FAC	Total Number of Dominant Species Across All Strata:	_ (B)
4				Percent of Dominant Species That Are ORL FACW or FAC:	(4 (7)
56				That Are OBL, FACW, or FAC:	_ (A/B)
7				Prevalence Index worksheet:	
8	-			Total % Cover of: Multiply by:	
	40	= Total Cov	er er	OBL species x 1 =	
50% of total cover: 25				FACW species x 2 =	
Sapling/Shrub Stratum (Plot size:)	207001	total cover		FAC species x 3 =	
1. Valeinian Corruption	<	N	FAIN	FACU species x 4 =	
2. Margaella Virginiana	15	10	FAUN	UPL species x 5 =	
3. Alexandra Symplows Highering	15	7	FAL	Column Totals: (A)	(B)
4. Liquidember et vreethren	10	Ý	FAC	Prevalence Index = B/A =	
5. They corrected	5	N	FALW	Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegetation	
7				2 - Dominance Test is >50%	
8				3 - Prevalence Index is ≤3.0 <sup>1</sup>	
	40	= Total Co	/er	Problematic Hydrophytic Vegetation <sup>1</sup> (Ex	olain)
50% of total cover:2	20% of	f total cover	: <u>8</u>		,
Herb Stratum (Plot size:	6	Y	FAM	<sup>1</sup> Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	y must
1. Cheether alpitalia		-	FAM	Definitions of Four Vegetation Strata:	
			1/100	Definitions of Four Vegetation Strata.	5
3.				Tree – Woody plants, excluding vines, 3 in. (7	.6 cm) or
4		The state of the s	(A) - (1) - (1) - (1) - (1) - (1)	more in diameter at breast height (DBH), rega	ruless of
5.					
6				Sapling/Shrub – Woody plants, excluding vir than 3 in. DBH and greater than 3.28 ft (1 m)	
8				Herb – All herbaceous (non-woody) plants, re	gardless
9				of size, and woody plants less than 3.28 ft tall	
10.				Woody vine - All woody vines greater than 3	.28 ft in
11				height.	E .
12.	10				
		= Total Co			
50% of total cover:	20% o	f total cover			
Woody Vine Stratum (Plot size:)	14	4	71,		
1. Smilar apparea	10		THO		
2. Snilax wHund. Colia	10	9	FAL		- 1
3					
4					
5				Hydrophytic	5
		= Total Co		Vegetation   Present?   Yes No	
50% of total cover:		f total cove	- 4_	11050H1 105 / H0	-
Remarks: (If observed, list morphological adaptations bel	ow).		1-		
Hydrophytic regeta,	No-	prec	int		Ī
					i i
18					1 4

WROHOII M

		550				rm the absence		l l
Depth	Matrix		F	Redox Feature		-		
(inches)	Color (moist)	<u>%</u> _	Color (moist	)%	Type <sup>1</sup> Loc <sup>2</sup>	-	Rema	rks
0-5	10 46 1/	100	244			SL		
5-16+	10 YR 7/2	1.00				SKL		
		1.8	954		-			
		1	1000					
		- Augustin	To reside					
								61 5 14 5 7 1 4
		1	*					
1 <sub>Tyme</sub> , 0-0			111	. 110 11 1	10.10	2,	DI D. 1111 M	
	oncentration, D=Depl Indicators: (Applica						PL=Pore Lining, M= for Problematic Hyd	
Histosol		ible to all L		The state of the s			The state of the s	unic soils .
	oipedon (A2)				ace (S8) (LRR S, T, 9) (LRR S, T, U)		luck (A9) (LRR O) luck (A10) (LRR S)	
Black Hi	( <u> </u>				(F1) (LRR O)		ed Vertic (F18) (outs	ide MI RA 150A B)
	en Sulfide (A4)			Bleyed Matrix			ont Floodplain Soils (	
	d Layers (A5)			Matrix (F3)		(LISSO LICE   CO. C.	lous Bright Loamy S	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
	Bodies (A6) (LRR P,	T, U)		ark Surface (	F6)	7976	RA 153B)	
	icky Mineral (A7) (LR		Depleted	Dark Surface	e (F7)	Red Pa	arent Material (TF2)	
	esence (A8) (LRR U)	1	Redox D	epressions (F	F8)		hallow Dark Surface	OF THE PARTY NAMED TO SEE AND THE PARTY NAMED TO
	ick (A9) (LRR P, T)			0) (LRR U)		Other (	Explain in Remarks)	
(77)	Below Dark Surface	(A11)			(MLRA 151)			
1000 CONTRACTOR OF THE PARTY OF	ark Surface (A12)	U DA 450A)			ses (F12) (LRR O, I	50.00	ators of hydrophytic	STATE OF THE PROPERTY OF THE PARTY OF THE PA
	rairie Redox (A16) <b>(N</b> lucky Mineral (S1) <b>(L</b>						and hydrology must	The state of the s
	Bleyed Matrix (S4)	KK 0, 3)		hric (F17) (M	(MLRA 150A, 150I		ess disturbed or prob	iematic.
	ledox (S5)				Soils (F19) (MLRA			
and the experience of the first contract of the	Matrix (S6)				my Soils (F20) (ML		153D)	
300 H 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rface (S7) (LRR P, S	TIN		J	, (, (			
		, 1, 0)						
Restrictive I	_ayer (if observed):	, 1, 0)						
Restrictive I		, 1, 0)	_				=	
See to	_ayer (if observed):	, 1, 0)				Hydric Soil	Present? Yes	No X
Туре:	_ayer (if observed):	, 1, 0)	_			Hydric Soil	Present? Yes	
Type: Depth (in	Layer (if observed):			0	4		Present? Yes	No <u></u>
Type: Depth (in	Layer (if observed):		- - - -	of o	recent		Present? Yes	No X
Type: Depth (in	_ayer (if observed):		- - -/ ^	of pr	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- - -/ ^	A PI	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- - -/ ^	ed for	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		= - -/ ^	et pi	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		<u> </u>	et pi	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- - - - - - - - - - - - - - - - - - -	of pi	recent		Present? Yes	No Z
Type: Depth (in	Layer (if observed):		- - - - - - - - - - - - - - - - - - -	of Pi	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- - - - - - - - - - - - - - - - - - -	of Pi	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- - - - - - - - - - - - - - - - - - -	of pr	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- - - - - - - - - - - - - - - - - - -	ed for	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		= - - - - - - - - - - - - - - - - - - -	of po	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- / ^	et pi	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):			of pi	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):			of pi	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- / /	of pi	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- / /	A P	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- / /	of pr	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):			of pr	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):			of pr	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- / /	of pr	recent		Present? Yes	No X
Type: Depth (in	Layer (if observed):		- / /	of pi	recent		Present? Yes	No X

# wroh011\_u



wroh011\_u facing west



wroh011\_u facing north

### wroh011 soil



wroh011 soil hydric/non-hydric

### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: ACP City/C	county: Robeson Sampling Date: 4 September 2014
Applicant/Owner: Dominion	State: NC Sampling Point: Wroh @105_w
Investigator(s): Section Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Bay Depression Local	relief (concave, convex, none): Concave Slope (%): 77
	12.12.6" Long: 79 07 32.847 Datum: W 65.84
Soil Map Unit Name: Rang	NWI classification: PS5
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
^	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present?  Wetland Hydrology Present?  Yes No No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
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) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (LRF	
Saturation (A3) Water Marks (B1)  Hydrogen Sulfide Odor (C	
Water Marks (B1) Oxidized Rhizospheres all Presence of Reduced Irol	
Drift Deposits (B3) Recent Iron Reduction in	and the state of t
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remark	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:  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, pre-	vious inspections), if available:
Remarks:	
Wetland Hydrology Criteria met	(
01	
	*
9	
	a s
	* * * * * * * * * * * * * * * * * * *

3/1,2/		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 x 30 )	% Cover	Species?	Status	Number of Dominant Species  That Are ORL FACING or FAC:  (A)
1. Pinus taeda		N	FAC	That Are OBL, FACW, or FAC: (A)
2. Liquidamber styraciflua	2	N	FAC	Total Number of Dominant
3D				Species Across All Strata: (B)
4			The second state of the second second	
5				Percent of Dominant Species That Are OBL, FACW, or FAC: /// (A/B)
				That Are OBL, FACW, or FAC: 100 (A/B)
6				Prevalence Index worksheet:
7		-		Total % Cover of: Multiply by:
8				
	4	= Total Co	ver	OBL species x 1 =
50% of total cover:	20% of	f total cover	.08	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 x 30 )				FAC species x 3 =
1. Liquidanbor Styrasi Plug	30	y	FAC	FACU species x 4 =
2. Chrecus high		1		UPL species x 5 =
2. Wisercus higra	20	1	FAC	Column Totals: (A) (B)
3. Nyssa sylvatica		N		Column Fotals: (F)
4. Diuspyros virginiana	2	N	FAC	Prevalence Index = B/A =
5. Clethra alnifolia	2	N	FACW	Hydrophytic Vegetation Indicators:
6			1	
7				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
8	1.A			3 - Prevalence Index is ≤3.0¹
	04	= Total Co	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	20% of	f total cover	120	
Herb Stratum (Plot size: 30 + 30 )				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Vaccineum stampeum	2	N	FACU	be present, unless disturbed or problematic.
2. Microstegium vinineum	7.	N	FAC	Definitions of Four Vegetation Strata:
			,	Definitions of Four Vegetation Strata.
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6				Sapling/Shrub - Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12				***
	4	= Total Co	ver	
50% of total cover: 2				
Woody Vine Stratum (Plot size: 30 + 30 )	20% 0	i total cove		8
vvoody Vine Stratum (Plot size:)	7		-A	
1. Smilar rotundifulia		-10	PIO	3,
2				
3				
4				
5				
0	4	T.1.0		Hydrophytic
7	-	= Total Co		Vegetation Present? Yes No
50% of total cover:	<u> </u>	f total cove	: 0.0	
Remarks: (If observed, list morphological adaptations belo	ow).			
all All All		4		
Hydrophytic vegetation Criter	eia m	rec		
2				
	ly.			

Sampling Point: Wrokalas-w

	scription: (Describe	to the dep				or confirm	n the absence of ir	dicators.)	
Depth (inches)	Matrix Color (moist)	<u></u> %	Red Color (moist)	ox Feature %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-5	104R3/1	98	104R54	2	C	06	SL		
5-20	1640 5/2	95	104R 5/4	5		M	SCL		
	170	-	10/						
	Constitution						· — —		
-		-						<del></del>	
				_					
-				_					
	Concentration, D=Dep II Indicators: (Applic					rains.		Pore Lining, M=Matri Problematic Hydric S	
Histose		able to all	Polyvalue B		10000000E	DD C T		AND COMMENT OF A PARTICULAR PROPERTY OF THE PARTY OF THE	oons :
	Epipedon (A2)		Thin Dark S					(A10) (LRR S)	
	Histic (A3)		Loamy Muc					ertic (F18) (outside I	/ILRA 150A,B)
	gen Sulfide (A4)		Loamy Gley		(F2)		Section 10	Toodplain Soils (F19)	
	ed Layers (A5) ic Bodies (A6) <b>(LRR P</b>	T 11	Depleted M		F6)			Bright Loamy Soils (	F20)
1000	/lucky Mineral (A7) <b>(LF</b>	23 (5) (4.5)	Redox Dark Depleted Dark				(MLRA 1	องค) t Material (TF2)	
	Presence (A8) (LRR U		Redox Dep					ow Dark Surface (TF1	2)
Professional Control of the Control	Muck (A9) (LRR P, T)		Marl (F10) (				Other (Exp	lain in Remarks)	
	ed Below Dark Surfac Dark Surface (A12)	e (A11)	Depleted O				31	<b>6</b>	- K
A STANDARY STAND	Prairie Redox (A16) <b>(I</b>	MLRA 150	Iron-Manga A) Umbric Surf					s of hydrophytic veget hydrology must be pr	
	Mucky Mineral (S1) (I		Delta Ochri					listurbed or problema	
	Gleyed Matrix (S4)		Reduced Ve	ertic (F18)	(MLRA 1	50A, 150B	)	•	
	Redox (S5)		Piedmont F						78
	ed Matrix (S6) Surface (S7) <b>(LRR P, S</b>	S T 11)	Anomalous	Bright Loa	my Soils	(F20) <b>(ML</b> F	RA 149A, 153C, 153	BD)	
	Layer (if observed):								15
Туре:	5 5								
Depth (i	inches):						Hydric Soil Pres	sent? Yes	No
Remarks:									
	11.1.	) 0	١ .						
	Hydric So	il Cili	teria Met						
									F 5

# wroh010s\_w



Wroh010s\_w facing east



Wroh010s\_w facing south

### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: AP	City/County: Robes	son	Sampling Date: 9/4/14
Applicant/Owner: Down view			Sampling Point: Wroh DO
Investigator(s): Dowest	Section, Township, Rar		
l andform (hillslone terrace etc.):	Local relief (concave or	onvex none). Hulls	Slone (%): Z
Landform (hillslope, terrace, etc.):  Subregion (LRR or MLRA): Lat:	45 01 876"	ong: 79°07'33	423" Datum: 11X-5 8
1	(100,000		
Soil Map Unit Name: <u>Lakeland</u>			cation: <u>NONE</u>
Are climatic / hydrologic conditions on the site typical for this time of year			
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "I	Normal Circumstances"	present? Yes No
Are Vegetation, Soil, or Hydrology naturally pre-	oblematic? (If ne	eded, explain any answe	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point lo	ocations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No		A	
Hydric Soil Present? Yes NoX	Is the Sampled		No_\
Wetland Hydrology Present? Yes No	within a Wetlan	id? Yes	_ No
All three not gresion;	t. POT,	IN WET!	'and
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indica	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil	
Surface Water (A1) Aquatic Fauna (B1			getated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B18		Drainage Pa	
Saturation (A3) Hydrogen Sulfide ( Water Marks (B1) Oxidized Rhizosph	Ddor (C1) neres along Living Roots	Moss Trim L	Water Table (C2)
Sediment Deposits (B2)  — Presence of Reduced Religions in the control of the con		Crayfish Bur	
I COLUMN AND ADMINISTRATION AND ADMINISTRATION OF STREET AND ADMINISTRATION OF STREET AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION AD	ction in Tilled Soils (C6)		/isible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface	(C7)	Geomorphic	Position (D2)
Iron Deposits (B5) Other (Explain in F	Remarks)	Shallow Aqu	
Inundation Visible on Aerial Imagery (B7)		X FAC-Neutra	
Water-Stained Leaves (B9) Field Observations:		Sphagnum i	moss (D8) (LRR T, U)
Surface Water Present? Yes No Depth (inches	N.		
Water Table Present? Yes No Depth (inches			
Saturation Present? Yes No Depth (inches		tland Hydrology Prese	nt? Yes No
(includes capillary fringe)			100
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections	), if available:	
Remarks:			eq.
Wetland hydology	not pre	sent	9
			31
1			

### VEGETATION (Four Strata) – Use scientific names of plants.

Toro Otroturo (Dietoino)		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size:)		Species?	·	Number of Dominant Species
1. Pines teeda	30		FAC	That Are OBL, FACW, or FAC:/ (A)
2.				Total Number of Deminant
			Section 1 Control 1	Total Number of Dominant Species Across All Strata:  (B)
3				Species Across Air Girata.
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				
7.				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
8	20			OBL species x 1 =
		= Total Cov		FACW species x 2 =
50% of total cover:	20% of	total cover	:_6_	
Sapling/Shrub Stratum (Plot size: 30 )		. 1	,	FAC species x 3 =
1. Liquidansor styraither	15	У	FAC	FACU species x 4 =
2. Manadar Gympione tinetoria	15	7	FAC	UPL species x 5 =
2. XMI AND GYMPIOUS MINITOINE	-10	-/1	THE	Column Totals: (A) (B)
3. Querens piegras			7/10	
4. (Letters alpite)'a	15	7,	THEW	Prevalence Index = B/A =
5. Vaccinism Stimineur	5	$\mathcal{N}$	FACU	Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	10			3 - Prevalence Index is ≤3.0 <sup>1</sup>
	55	= Total Co	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: <u>27.</u>	5 20% o	f total cover	: 11	_
Herb Stratum (Plot size:)	_			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Cleshera alni 6/19	1	1/	FACW	be present, unless disturbed or problematic.
	0.70	7	10,000	Definitions of Four Vegetation Strata:
2				Definitions of Four Vegetation Strata.
3				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5.				height.
				S. II. 101
6	-			Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				than 5 m. DBH and greater than 6.25 k (1 m) tom
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
				and the state of t
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12	/			
	.15	= Total Co	ver	
50% of total cover:	5 20%	of total cove	r:	
Woody Vine Stratum (Plot size:)	The second of th			
1. Notice retendisplice	6	Y	FAL	A <sub>c</sub>
1. The Notend 140 Lic,		/	FL	
2. Smilgx glauce		- 7	TAC	m <sub>jp</sub>
3	_			· · · · · · · · · · · · · · · · · · ·
4.				
E				Livelyambutia
9.	10	= Total Co	- —	Hydrophytic Vegetation
Angelous and while	-		-	Present? Yes No
50% of total cover:	20%	of total cove	er:	
Remarks: (If observed, list morphological adaptations be	low).		0	
10 1 1 1 2 5 1	100	26 43	hic.	
Dominant veg is hy	1000	アーフリ	, –	
,				

Profile Desc	rintion: (Descri	he to the den	th needed to doo	rument the	indicator	or confirm	the absence	of indicate	ors.)	
Depth	mption: (Descri			dox Feature		or commi	the absolute	Of Illustration	,,,	
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
0-4	10483,	/.					SL	36%	unead	ted .
4-10	WYRS)	<del></del>					SLL		mottles	
9-0	1071-1	2				-	0-0	100	morring	
					-			-		
			Reduced Matrix,			ains.	<sup>2</sup> Location:	PL=Pore L	ining, M=Matr	ix.
1.5	, 21.7.7	plicable to all	LRRs, unless of						matic Hydric	Soils:
Histosol				Below Surfa				/luck (A9) (I		
	oipedon (A2)		Thin Dark					Muck (A10) ed Vertic (F		MLRA 150A,B)
100000000000000000000000000000000000000	istic (A3) en Sulfide (A4)			ucky Mineral eyed Matrix		(0)				) (LRR P, S, T)
	d Layers (A5)			Matrix (F3)	(1 2)		A		Loamy Soils	
	Bodies (A6) (LRI	R P, T, U)		rk Surface (	F6)			RA 153B)	t all Manager than • a research area.	* 35.00 com * co
	ucky Mineral (A7)			Dark Surfac				arent Mater		
202000000	esence (A8) (LR		and the second s	pressions (F	<sup>-</sup> 8)				k Surface (TF	12)
900000	uck (A9) (LRR P,		Marl (F10				Other	(Explain in	Remarks)	
	d Below Dark Sur			Ochric (F11)			T) 3India	tora of by	d-anhytic year	station and
	ark Surface (A12)	English and the second of the	The second secon	ganese Mass			200		drophytic vege logy must be p	
Control Control	rairie Redox (A16 Mucky Mineral (S1		- " - "	urface (F13) nric (F17) <b>(M</b>		, 0)			ed or problem	
	Gleyed Matrix (S4			Vertic (F18)		50A. 150B)		Goo dictars	ou or propre	utic.
	Redox (S5)	,		Floodplain						
Stripped	Matrix (S6)		Anomalou					, 153D)		
	ırface (S7) (LRR		390,000 E	100a						
Restrictive	Layer (if observe	ed):								•
Type:										~ 1
Depth (ir	ches):						Hydric Soil	Present?	Yes	_ No
Remarks:								100		
		, .	ſ		1					
1	Dric	CD:	rot f	mes.	ent	-				
117			1							
52 S 50			,							
		22								

# Wroh010\_u



wroh010\_u facing west



wroh010\_u facing north

# Wroh010 soil



wroh010 soil hydric/non-hydric

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site : City/County Applicant/Owner Section Township Range Local relief (concave, convex, none) Conclude Slope (%) Subregion (LRR or MLRA). <u>54.810"</u> Long: <u>79°07' 40.886</u> 11 Datum: <u>USG 0</u>SL Are climatic / hydrologic conditions on the site typical for this time of year? Yes (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. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Sod Present? within a Wetland? Wetanit Hydrology Present? Remarks Obvious depressional orea **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two reduired) mary Indicators (minimum of one is required, check all that apply) Surface Soil Cracks (B6) Surface Water (A.1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Perf Chiposes (83) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Matior Crost (64) thin Muck Surface (C7) Geomorphic Position (D2) tron Legersds (95) Other (Explain in Remarks) Shallow Aguitard (D3): Inundation visible on Regal Imagery (6.5) FAC Neutral Test (DF) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Water Table Present? Depth (inches) 50 Saturation Present? Depth (inches) SUNTACE Wetland Hydrology Present? Yes (meludus capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available Remarks ydrology pre

VEGETATION (Four Strata) – Use scientific names of plants.

And the state of t	Absoluto	Dominant Ind	4:	Sampling Point:	
Tree Stratum (Plot size	% Cover	Species? S	Status	Dominance Test worksheet:	
1	To the commence and the state of the same	todaka - maranganan tahun, sa gabawa		Number of Dominant Species That Are OBL_FACW_or FAC	(A)
97N J	Charles Andrews Springers	Miles and a second order of the second of th		Total Number of Dominant Species Across All Strata	(B)
				Percent of Dominant Species	(A/B)
to the second second second second second second second second second second second second second second second	***********	THE R. P. Markey Manner Co., pp. 100.		THE ANNIAL MARKET CONTROL OF THE PROPERTY OF T	(24/15)
				Prevalence Index worksheet:	
8		Mich Beginner statistics table comme semination		Total % Cover of Multiply by	
		Total Cover		OBL species x 1 =	
50% of total cover	20% of	total cover		FACW species x 2 =	
Sapling/Shrub Stratum (Plot size)				FAC species x 3 =	
1 Dor rubyen	10	VIF	AC	FACU species x 4 =	
- Liquid Jandror Strong Strong	10	SI F	140	UPL species x 5 =	
Ligys from sinense	~		AC	Column Totals (A)	(B)
1 Solex caroliniana	10.		90	Prevalence Index = B/A =	
5.			36-	Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Vegetation	
7				2 - Dominance Test is >50%	
35	700-			☐ 3 - Prevalence Index is ≤3.0	
17.5		Total Cover -		Problematic Hydrophytic Vegetation (Explain)	
Herb Stratum (Plot size)	₹ 20% of t	otal cover		Troblematic Hydrophytic Vegetation (Explain)	
1. Typia latitolia	20	$\sqrt{c}$	XB(_	Indicators of hydric soil and wetland hydrology mus	st
2 Sourulis cernia, 1				be present, unless disturbed or problematic.	
3 Murdapia Keishk 2	NEW		84	Definitions of Four Vegetation Strata:	
1 Dymphae odorata	<u>K</u> ^	7		Tree – Woody plants, excluding vines, 3 in. (7.6 cm	) or
Eleocharis obtusa 5		01		more in diameter at breast height (DBH), regardless height	s of
7	· · · · · · · · · · · · · · · · · · ·			Sapling/Shrub Woody plants, excluding vines, le	e e
8			t	than 3 in, DBH and greater than 3.28 ft (1 m) tall.	55
9			t	Herb – All herbaceous (non-woody) plants, regardle	ess
10				of size, and woody plants less than 3.28 ft tall.	
				<b>Noody vine</b> – All woody vines greater than 3.28 ft i neight	n
12	100=	Total Co.			
50% of total cover 55	<u> 20%</u> of to		1		
Noody Vine Stratum (Plot size)	_ 20 % 01 (0	tal cover			
)					
				10	
And the second s	= 1	otal Cover		lydrophytic (egetation	Marie and the second
50% of total cover	20% of tot			resent? Yes No	
emarks (If observed list morphological adaptations below)	_ & O 10 O1 (O)	OF COVER			-

WROF	tong
WAR TO THE	Co
Sampling Point	- 10 /

#### SOIL

Profile Descriptions (Described the	Sampling Point:
Profile Description: (Describe to the depth needed to document the indicator or confire Depth Matrix	m the absence of indicators.)
(inches) Color (maint) A/C Redox Features	
$\frac{\text{Color (moist)}}{\text{O} - \text{I}''}  \frac{\text{WUC}}{\text{MUC}}$	Texture Remarks
1 2 1218 1111	- Ohorizon
1 3 104K 4/1	lozm_
3-15 104R4/1 104R4/4 2 C m	< C1
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histic Epipedon (A2)  Thin Dark Surface (S0) (LRR S, 1, t	
Black Histic (A3)  Loamy Mucky Mineral (E1) (LRR O)	2 cm Muck (A10) (LRR S)
Loamy Gleved Matrix (E2)	Reduced Vertic (F18) (outside MLRA 150A,B)
Stratified Layers (A5)  Depleted Matrix (F3)	Piedmont Floodplain Soils (F19) (LRR P, S, T) Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6)	(MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	Red Parent Material (TF2)
Muck Presence (A8) (LRR U)  Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Other (Explain in Remarks)
[ ] This is a second to the se	
ERR U, P,	j - j - j j g - t attoli atta
	wetland hydrology must be present,
	unless disturbed or problematic.
Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Reduced Vertic (F18) (MLRA 150A, 150B)  Piedmont Floodplain Soils (F19) (MLRA 14	
Stripped Matrix (S6)  Anomalous Bright Learny Soils (F19) (MLRA 14	9A)
Li Daik Sulface (57) (LRR P, S, 1, U)	A 149A, 153C, 153D)
Restrictive Layer (if observed):	
Туре:	
Depth (inches):	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Remarks:	Hydric Soil Present? Yes No
$\langle d, O \rangle$	
Lydric soil pres	
	sear
·	

### wroh009e\_w



Wetland data point wroh009e\_w facing east



Wetland data point wroh009e\_w facing south

WETLAND DETERMINATION DATA	FORM – Atlan	tic and Gulf	Coastal Pi	ain Region
Project/Site: SERP	P	> (		9-2-14
Project/Site: SERP  Applicant/Owner: Dominion	City/County:	bleson		Sampling Date:
Investigate (c)		State	e: <u> </u>	Sampling Point: WROHOO
	Section Townshir	n Rango:	/	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Soil Man Unit Name:	Local relief (conca	ive, convex, none	e):	Slope (%): <u>2</u> - 6
Sail Man Hait M	44,54,23	<u>≦</u> Long: <u> </u>	07'5	<u>10,441</u> Datum: <u>W.SG_</u> 0
our map offictedine. Clayram			NWI classific	ation:
Are climatic / hydrologic conditions on the site typical for this time of years.	ar? Yes I	No (if no	o, explain in R	emarks.)
Are vegetation, Soil, or Hydrology significantly	disturbed?	Are "Normal Circ	cumstances" p	resent? Yes No
Are Vegetation, Soil, or Hydrology naturally pro	blematic?	(If needed, expla	in any answer	s in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling poi	nt locations.	transects	important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?  Remarks:  No No No No No No No No No No No No No	Is the Sam	pled Area etland?	Yes	No No
HYDROLOGY		***		
Wetland Hydrology Indicators:				
Primary Indicators (minimum of one is required; check all that apply)				ors (minimum of two required)
Surface Water (A1)  Aquatic Fauna (B13	`		Surface Soil C	
High Water Table (A2)  Marl Deposits (B15)		늼	Sparsely Vege	etated Concave Surface (B8)
☐ Saturation (A3) ☐ Hydrogen Sulfide O			Drainage Patte	
│ ├── Water Marks (B1)			Moss Trim Lin Dry-Season W	/ater Table (C2)
Sediment Deposits (B2)  Presence of Reduce	d Iron (C4)		Crayfish Burro	
☐ Drift Deposits (B3) ☐ Recent Iron Reducti ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (				ble on Aerial Imagery (C9)
		∐ (	Geomorphic P	osition (D2)
Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Other (Explain in Re	marks)		Shallow Aquita	
Water-Stained Leaves (B9)			FAC-Neutral T	
Field Observations:		<u>L_3</u>	Spnagnum mo	ss (D8) (LRR T, U)
Surface Water Present? Yes No Depth (inches):				
Water Table Present? Yes No Depth (inches):				
Saturation Present? Yes No Depth (inches):	1	Wetland Hydrol	ogy Present?	Yes No X
Describe Recorded Data (stream gauge, monitoring well, aerial photos				
Remarks:		•		
No hydrology Significant rise	prose	ent graphe	y from	adjacent

WROHDD9 Sampling Point:\_\_\_\_\_\_1

### **VEGETATION (Four Strata)** – Use scientific names of plants.

T 0	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)		Species?	Status	Number of Dominant Species
1. Finns tacafa		/_	FAC	That Are OBL, FACW, or FAC:(A)
2. Liquidantor stages flue	20		FAC	
3. Paransas	-			Total Number of Dominant Species Across All Strata: (B)
4. HIbizia julibrissens	10	$\Delta$	UPL	
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: (A/B)
i <b>7</b>				Prevalence Index worksheet:
8		-		Total % Cover of: Multiply by:
·	FO	<del></del>		OBL species x 1 =
70		= Total Cove	, ( )	
50% of total cover: $25$	20% of	total cover:	10	FACW species x 2 =
Sapling/Shrub Stratum (Plot size:)	TIA		'	FAC species x 3 =
1. Ligustrum simonag	30	<u> </u>	FAC	FACU species x 4 =
2. American rigge	<u>2</u> ථ		FAC	UPL species x 5 =
3. Prunis caroliniana	20	\	FACU	Column Totals: (A) (B)
4				5 1 1 1 5 5 5
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
8	00		<del></del>	3 - Prevalence Index is ≤3.01
41-		= Total Cove		Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 15	20% of	total cover:	10	
Herb Stratum (Plot size:)	15		/	¹Indicators of hydric soil and wetland hydrology must
1. Lyquestrum siponse	50	$-\!$	- PAC	be present, unless disturbed or problematic.
2. Asplenien platineurons	10		FACU	Definitions of Four Vegetation Strata:
3				_
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5				height.
6				One Hand Office In the Control of th
7				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8		·		
9	-			Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12	<del>/</del>			
28	<u>60 =</u>	: Total Cove	r , \	
50% of total cover: <u>3()</u>	20% of t	total cover: _		
Woody Vine Stratum (Plot size:	170			
1. Vitis rotunde tolia	10.		FAC	
2. Smilgx votunditalia	25		FAC	
3. Smilar algura	25		TAUS	
4		<u> </u>		
5	-			
	<u> </u>	Total Cover	-	Hydrophytic Vegetation
50% of total cover: 30			17	Present? Yes \ No
Remarks: (If observed, list morphological adaptations below		otal cover: _	$\leq 1$	
remarks. (If observed, list morphological adaptations below	').			
		HIMMY CHARLES IN COLUMN 1		

OIL Profile Description (Describe to the de	pth needed to document the indicator or c	Sampling Point  confirm the absence of indicators.)
North Mate.	Redox Features	Loc Texture Remarks  SAUCY ONTO
2.5467		SpallyTour
ype C=Concentration D=Depletion, RM ydric Soil Indicators (Applicable to al  Histosel (A1) inster Experience (A2)	M=Reduced Matrix, MS=Masked Sand Grains I LRRs, unless otherwise noted.)  Polyvalue Below Surface (S8) (LRR Thin Dark Surface (S9) (LRR S. T. L	Indicators for Problematic Hydric Soils <sup>1</sup> : R.S. T, U) 1 cm Muck (A9) (LRR O)
intack Hubs. (Als) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P. T. U) 5 por Mucky Mineral (A7) (LRR P. T. U) Mick Presence (A8) (LRR U) Then Mick File Act (LRR P. T) Street of the Rich Park Fortgan (A1)	Loamy Mucky Mineral (F.1) (LRR O) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Mail (F16) (LRR U)	Reduced Vertic (E18) (outside MLRA 150A,B) Piedmont Floodplain Soils (F19) (LRR P, S, T) Anomalous Bright Loamy Soils (F20) (MLRA 153B) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
Sandy Redox (S5)  Stripped Matrix (S6)  Dark Surface (S7) (LRR P, S, T, U)		R.O.P. T) Indicutors of twelfour vir vegetation and virtual for strongly meeting present velocities and virtual for testing or president.  J. 150B)  LRA 149A)
estrictive Layer (if observed):  Type  Depth (inches) emarks		Hydric Soil Present? Yes No
N	o hydra soil	present

# wroh009\_u



Upland data point wroh009\_u facing east



Upland data point wroh009\_u facing south

### wroh009 soils



Wetland/upland soils

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site: City/County: Applicant/Owner: Sampling Point: UR Investigator(s): Section, (Township, Range: Concave, convex, none): Landform (hillslope, terrace, etc.): Subregion (LRR or MLRA): Soil Map Unit Name: NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_ (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. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: es parameto **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) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) -Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Water Table Present? Saturation Present? Depth (inches): Sur Ince Wetland Hydrology Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

WRDHOO8F\_ Sampling Point:\_\_\_\_\_\_\_W

### **VEGETATION** (Four Strata) – Use scientific names of plants.

Tron Chrotism (District		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size:	% Cover	Species?		Number of Dominant Species /
1. Myssa billora	$\stackrel{\sim}{\Longrightarrow}$	<del>///</del>	OBF	That Are OBL, FACW, or FAC: (A)
2. Hear sulrum	40		FAX	Total Number of Dominant
3. Evercus Jauri Folia	15		FACW.	Species Across All Strata: (B)
4. Magnolia Virgeniana	10		FACW	Percent of Dominant Species
5. Ilex opera	40		FAC	That Are OBL, FACW, or FAC: (A/B)
6				(135)
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	70	= Total Cov	/er	OBL species x 1 =
50% of total cover:	20% of	total cover	//	FACW species x 2 =
Sapling/Shrub Stratum (Plot size:)	20 /0 01	(Utai Cover	/ <del></del>	FAC species x 3 =
1 Mar 1 - (1-1-17)	20		FACU	
1. Mesodia urrigenione. 2. Iles opaca	$\frac{2}{2}$		FAL	UPL species x 5 =
	53			Column Totals: (A) (B)
3. Hear rulrup	24	<del>/-</del>	FAC	(A)(D)
4. Nyssa bitlora,	20	$\frac{\mathcal{V}}{\mathcal{V}}$	<u>OBL</u>	Prevalence Index = B/A =
5. Darreus lour felia	<u> </u>		FACW	Hydrophytic Vegetation Indicators:
6. Lyonia lucida	<u> 15</u>		FACW	1 - Rapid Test for Hydrophytic Vegetation
7. Khododendron canoscens	_5_		FACW	2 - Dominance Test is >50%
8. Porsea Gorbonia	<u> </u>		FACIN	3 - Prevalence Index is ≤3.0¹
95	<b>600</b>	= Total Cov	er _	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 17.5	20% of	total cover	: 19	Troblematic Hydrophytic vegetation (Explain)
Herb Stratum (Plot size:)	<del></del>	,	/	No disease of tradity of the design of the d
1. Desminda cinamomea	15		FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Woodwoodla aerevlata	3	1 / 6 F	V Common of the common of the	Definitions of Four Vegetation Strata:
3. Comunda regalis	~		OBI -	Definitions of Four Vogetation Strata.
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
	***************************************			more in diameter at breast height (DBH), regardless of height.
5				noight.
6				Sapling/Shrub - Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11.				height.
12				
	25	= Total Cov	er _	
50% of total cover: $12.3$	20% of	total cover	5	
Woody Vine Stratum (Plot size: )				
1 Shill to to lavere	5	$\vee$ ,	FAC	
2 Sprillage Wester Talice	10		FACI	/
3.				
4				
T				
5.	15			Hydrophytic
7 (		= Total Cov	~ 1	Vegetation Present? Yes No
50% of total cover: 7.5		total cover		100
Remarks: (If observed, list morphological adaptations belo	w).			

WRDH808f\_W Sampling Point:

Profile Des	cription: (Describe	to the dept	h needed to docume	ent the i	ndicator	or confirm	n the absence of	Sampling Point:
Depth	Matrix		Redox	Features				mulcators.)
(inches)	Color (moist)	· <u> </u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	107/201	<u> (000</u> _						
1-167	10 y1c 4/	- <b>40</b>	1071-4/4	_5	_	M	SCL -	
			<i>v</i>					
			-					
					***			
1-								
Hydric Soil	oncentration, D=Depl	letion, RM=F	Reduced Matrix, MS=	Masked	Sand Gra	ains.	<sup>2</sup> Location: PL:	=Pore Lining, M=Matrix.
Histosol	Indicators: (Applica	able to all L					Indicators for	Problematic Hydric Soils <sup>3</sup> :
	oipedon (A2)		Polyvalue Belo	w Surfac	e (S8) (L	RR S, T, L		(A9) <b>(LRR O)</b>
Black Hi			Thin Dark Surfa	ace (S9) Mineral (	(LRR S,	T, U)	2 cm Muck	(A10) (LRR S)
Hydroge	n Sulfide (A4)		Loamy Gleyed	Matrix (F	- 1) (EIXIX 	. 0,	Piedmont !	/ertic (F18) (outside MLRA 150A,B) Floodplain Soils (F19) (LRR P, S, T)
	Layers (A5)		Depleted Matrix	(F3)			Anomalous	s Bright Loamy Soils (F20)
Organic	Bodies (A6) (LRR P,	T, U)	Redox Dark Su				(MLRA 1	(53B)
Muck Pr	icky Mineral (A7) (LR esence (A8) (LRR U)	KP, T, U)	Depleted Dark		. ,			t Material (TF2)
1 cm Mu	ick (A9) (LRR P, T)	ļ.	Redox Depress Marl (F10) (LRI	-	5)			ow Dark Surface (TF12)
Depleted	Below Dark Surface	(A11)	Depleted Ochri		MLRA 15	i1)	Other (Exp	lain in Remarks)
	rk Surface (A12)		Iron-Manganes	e Masse	s (F12) (L	RR O, P,	T) <sup>3</sup> Indicators	s of hydrophytic vegetation and
Coast Pr	airie Redox (A16) (M	ILRA 150A)		(F13) (L	RR P, T,	U)		hydrology must be present,
Sandy IV	lucky Mineral (S1) (LI leyed Matrix (S4)	RR O, S)	Delta Ochric (F	17) (MLF	RA 151)		unless o	disturbed or problematic.
	edox (S5)		Reduced Vertic	11) (811) 22 nielal	/ILRA 150	JA, 150B) (MI BA 44)	0.4)	
Stripped	Matrix (S6)		Anomalous Brig	ht Loam	v Soils (F	(MLRA 14)	9A) A 149A, 153C, 153	RD)
Dark Sur	face (S7) (LRR P, S,	T, U)			, (	, (	1 1 1000, 1000	,,,,
	.ayer (if observed):							
Type:	f N		<del></del>					~
	hes):						Hydric Soil Pres	sent? Yes No
Remarks:								
								i
·····								

## wroh008f\_w



Wetland data point wroh008f\_w facing east



Wetland data point wroh008f\_w facing south

WEILAND DETERMINATION DATA FO	RM – Atlantic and Gulf Coastal Plain Region
Project/Site: 38RP City	y/County: Robeson Sampling Date:
Applicant/Owner: Dominion	State: N Sampling Point WRO HOD'S
	ction, Township, Range:
Subregion (LRR or MLRA): Lat: 34°44	cal relief (concave, convex, none): Slope (%): $\frac{U-2}{4 \cdot 36 \cdot 295}$ Long: $\frac{A'37.674}{100}$ Datum: $\frac{U}{200}$
Soil Map Unit Name: Wakulla	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly dist	<b>\</b>
Are Vegetation, Soil, or Hydrology naturally proble	/ -
SUMMARY OF FINDINGS – Attach site map showing sa	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  No No No No No No No No No No No No No	Is the Sampled Area within a Wetland?  Yes No  Meters present
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) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (L	RR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor	r (C1) Moss Trim Lines (B16)
☐ Water Marks (B1) ☐ Oxidized Rhizospheres	s along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)	Iron (C4)
☐ Drift Deposits (B3) ☐ Recent Iron Reduction	in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)  Thin Muck Surface (C7)	
Iron Deposits (B5)	arks)
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
☐ Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:  Surface Water Present?  Yes No Depth (inches):	
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, p	revious inspections), if available:
Remarks:	
•	
No hyd	rology present
:	

WROH008-U

VEGETATION (Four Strata) - Use scientific names of plants. Sampling Point: \_ Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: % Cover Species? Status **Number of Dominant Species** Times toods That Are OBL, FACW, or FAC: (A) Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: **OBL** species \_\_\_\_\_ x1 = \_\_\_\_ = Total Cover FACW species \_\_\_\_\_ x 2 = \_\_\_\_ 50% of total cover: 20% of total cover: FAC species \_\_\_\_\_ x 3 = \_\_\_\_ FACU species \_\_\_\_\_ x 4 = \_\_\_\_ UPL species \_\_\_\_\_ x 5 = \_\_\_\_ Column Totals: \_\_ (A) \_\_\_ (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 \_ = Total Cover Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 50% of total cover: 20% of total cover: <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. **Definitions of Four Vegetation Strata:** Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub - Woody plants, excluding vines, 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 vine - All woody vines greater than 3.28 ft in height. = Total Cover 50% of total cover: ( 1. 1 Irtiz rotendi Hydrophytic \_ = Total Cover 3 Vegetation Present? 50% of total cover:  $_{-}\ell$  . 20% of total cover: Remarks: (If observed, list morphological adaptations below).

SOIL

WROHOD8\_ Sampling Point:\_\_\_\_\_\_ U

Profile Description: (Describe to the depth needed to document the indicator or confirm	n the absence of indicators.)
Depth Redox Features	· ·
(inches) Color (moist) % Color (moist) % Type Loc <sup>2</sup>	<u>Texture</u> Remarks
0.9 2574/2	<u> </u>
1 <u>4-96</u> 2.674/3	51
9-165 7.545/6	
	<del></del>
1	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, L	J) 1 cm Muck (A9) (LRR O)
Histic Epipedon (A2)  Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)  Stratified Layers (A5)  Loamy Gleyed Matrix (F2)  Depleted Matrix (F3)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
	Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6)  5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	(MLRA 153B)
Muck Presence (A8) (LRR U)  Redox Depressions (F8)	Red Parent Material (TF2)
1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U)	☐ Very Shallow Dark Surface (TF12) ☐ Other (Explain in Remarks)
Depleted Below Dark Surface (A11)  Depleted Ochric (F11) (MLRA 151)	Coner (Explain in Remarks)
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P,	T) <sup>3</sup> Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B)	· ·
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 14	,
Stripped Matrix (S6)  Anomalous Bright Loamy Soils (F20) (MLR	A 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)	
Restrictive Layer (if observed):	
Type:	<u></u>
Type: Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No

### wroh008\_u



Upland data point wroh008\_u facing east



Upland data point wroh008\_u facing south

### wroh008 soils



Wetland/upland soils

WETLAND DETERMINATION DATA	FORM – Atla	ntic and G	ulf Coastal Pi	ain Region
Project/Site:	City/County:	$\sim$ 1		9-2-14 Sampling Date:
Applicant/Owner: Lominon				Sampling Point: WORDH
Investigator(s):	Section, Townsh			
Landform (hillslope, terrace, etc.):	Local relief (con-	cave, convex,	none): (574)	Slope (%):
Subregion (LRR or MLRA): Lat: \(\frac{\zeta^{\beta}}{2}\)	<u>43'57.45</u>	66" Long:	79008 0	7. 251" Datum: 656 89
Soil Map Unit Name: Cox ville				cation: PSS
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes	No	(If no, explain in R	remarks )
Are Vegetation, Soil, or Hydrology significantly	v disturbed?			present? Yes No
Are Vegetation, Soil, or Hydrology naturally pr			explain any answe	
SUMMARY OF FINDINGS – Attach site map showing				
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:		mpled Area	Yes	No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)				tors (minimum of two required)
Surface Water (A1)  Aquatic Fauna (B1)			Surface Soil	· · · · · · · · · · · · · · · · · · ·
High Water Table (A2)  Marl Deposits (B15)	,		Drainage Pat	tetated Concave Surface (B8)
Saturation (A3) Hydrogen Sulfide C			Moss Trim Li	
☐ Water Marks (B1) ☐ Oxidized Rhizosph	eres along Living	Roots (C3)		Nater Table (C2)
Sediment Deposits (B2)			Crayfish Burr	ows (C8)
☐ Drift Deposits (B3) ☐ Recent Iron Reduc		(C6)		sible on Aerial Imagery (C9)
☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface ☐ Iron Deposits (B5) ☐ Other (Explain in R			Geomorphic I	
☐ Iron Deposits (B5) ☐ Other (Explain in R Inundation Visible on Aerial Imagery (B7)	.emarks)		Shallow Aquit	
Water-Stained Leaves (B9)		/	FAC-Neutral Sphagnum m	oss (D8) (LRR T, U)
Field Observations:		T	op. cog. com	555 (55) (ETTT 1, 0)
Surface Water Present? Yes No Depth (inches)	):			
	):			7_
Saturation Present? Yes No Depth (inches) (includes capillary fringe)	):	Wetland H	ydrology Present	i? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photo	s, previous inspe	l ctions), if avail	lable:	
Remarks:		···		
Hydrologie	pres	en		

٧	EGETATIO	N (Four Strata	– Use scie	ntific names	of plants
•		i ii oui otiata		munic names i	JI DIAHIS.

WRDHOD7S			
impling Point:	-	M	

-	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover Species? Status	/ / /
1. Quercus nigra	10 V FAC	Number of Dominant Species That Are OBL FACIAL or FACIAL
		That Are OBL, FACW, or FAC: (A)
2. Liquidanton Syracifus	10 V FAC	Total Number of Dominant
3		Species Across All Strata: (B)
4		
5		Percent of Dominant Species
		That Are OBL, FACW, or FAC: (A/B)
6		Prevalence Index worksheet:
7		
8		Total % Cover of: Multiply by:
	ZO = Total Cover	OBL species x 1 =
500/ -44-4-4		FACW species x 2 =
50% of total cover: / O	20% of total cover:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size:)		1
1. Pinus tae de	10 VI, FAC	FACU species x 4 =
2. Queras nigra	FAC.	UPL species x 5 =
3. Liquidantor stursecture	TO VI	Column Totals: (A) (B)
	200	,
4. Vice in ium corymbosium	LU V FREW	Prevalence Index = B/A =
5. Acor rulmuna	10 FAC	Hydrophytic Vegetation Indicators:
6. Clother alnifolia	10 PKW	<del></del>
7. Magnolia firginiana	FACW	1 - Rapid Test for Hydrophytic Vegetation
	· — — — — — — — — — — — — — — — — — — —	2 - Dominance Test is >50%
8. Clax glabra	5 FAC	3 - Prevalence Index is ≤3.01
	100 = Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 5	20% of total cover:	resistant riyarepriyae vegetation (Explain)
Herb Stratum (Plot size:)		
1. Pribus arautus.	25 / FA	Indicators of hydric soil and wetland hydrology must
		be present, unless disturbed or problematic.
	20 JEACH	Definitions of Four Vegetation Strata:
3. Clethra almolia	10 V FACU	The Mediumber and discussion 6 to (7.6 cm)
4.	-	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5		height.
6		Sapling/Shrub - Woody plants, excluding vines, less
7		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8		Herb – All herbaceous (non-woody) plants, regardless
9		of size, and woody plants less than 3.28 ft tall.
		promote that the second than one of the second
10		Woody vine – All woody vines greater than 3.28 ft in
11,		height.
12.		
	= Total Cover	
50% of total cover: 22.		
Woody Vine Stratum (Plot size:)	1 - 1 - Tuc	
1. Smilax votunditolia	15 PAC	
2. Smilar glause	210 1/ FAC	
3.		
4		
-		
5		Hydrophytic ( )
, ,	SS = Total Cover	Vegetation
50% of total cover: 17.5	20% of total cover:	Present? Yes No
Remarks: (If observed, list morphological adaptations below	2	
(ii easer tea, iist merphological adaptations boto	,.	

WROHOD7S_	
Sampling Point:	$\vee \vee$

	pao (Describe t			it tile illuica	tor or commit	the absence of indicators.)
Depth	Matrix		Redox F			·
(inches)	Color (moist)	% Color (ı		%Typ	e <sup>1</sup> Loc <sup>2</sup>	
8-9	104R3/1					Sandy lown
9-16+	104R5/2	/M 11D	×111	7 ~	[1]	
1 0	10912		5/4_	<u>2 c</u>	m	SCL_
'Type: C=C	oncentration, D=Deple	etion, RM=Reduced I	Matrix, MS=N	Masked Sand	Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	ble to all LRRs, uni	ess otherwis	se noted.)		Indicators for Problematic Hydric Soils <sup>3</sup> :
☐ Histosol	(A1)	☐ Pol	yvalue Below	Surface (S	) (LRR S, T, U	I) 1 cm Muck (A9) (LRR O)
│	pipedon (A2)		n Dark Surfac			2 cm Muck (A10) (LRR S)
📗 Black Hi	stic (A3)	ALL PARTY OF THE P	my Mucky M			Reduced Vertic (F18) (outside MLRA 150A,B)
Hydroge	n Sulfide (A4)	☐ Loa	my Gleyed N	Matrix (F2)	,	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Stratified	d Layers (A5)		oleted Matrix			Anomalous Bright Loamy Soils (F20)
Organic	Bodies (A6) (LRR P,	T, U) Red	dox Dark Sur	face (F6)		(MLRA 153B)
☐ 5 cm Mu	icky Mineral (A7) (LR	RP,T,U) 🗍 Der	oleted Dark S	Surface (F7)		Red Parent Material (TF2)
	esence (A8) (LRR U)		dox Depressi			☐ Very Shallow Dark Surface (TF12)
	ick (A9) (LRR P, T)	<b>[</b>	rl (F10) <b>(LRR</b>			Other (Explain in Remarks)
	Below Dark Surface	· · · · · · · · · · · · · · · · · · ·	oleted Ochric	•	A 151)	
☐ Thick Da	ark Surface (A12)				2) (LRR O, P,	T) <sup>3</sup> Indicators of hydrophytic vegetation and
Coast P	rairie Redox (A16) (M		bric Surface			wetland hydrology must be present,
	fucky Mineral (S1) (LI		ta Ochric (F1			unless disturbed or problematic.
	Bleyed Matrix (S4)				150A, 150B)	
	Redox (S5)				19) (MLRA 14	
	Matrix (S6)					A 149A, 153C, 153D)
			v	,		
∐ Dark Su	rface (S7) <b>(LRR P, S,</b>	T, U)				·
	rface (S7) (LRR P, S, Layer (if observed):	T, U)				
Restrictive I	rface (S7) (LRR P, S, Layer (if observed):	T, U)				
Restrictive I	_ayer (if observed):	T, U)		,		<u> </u>
Restrictive I Type: Depth (inc	_ayer (if observed):	T, U)				Hydric Soil Present? Yes No No
Restrictive I	_ayer (if observed):	T, U)		7 (L. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		<u> </u>
Restrictive I Type: Depth (inc	_ayer (if observed):					Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):			`	O >	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Durz	Service	0,21	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Dorz	Soci	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Dorz	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Dorz	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qor z	Soci	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qor z	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qor z	Soci	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qor z	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qor z	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qor z	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qor z	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qor z	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qor z	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qorz	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qorz	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):			Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):		Qor z	Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):			Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):			Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):			Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):			Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):			Sor	Opr	Hydric Soil Present? Yes No
Restrictive I Type: Depth (inc	_ayer (if observed):			Sor	Opr	Hydric Soil Present? Yes No

### wroh007s\_w



Wetland data point wroh007s\_w facing east



Wetland data point wroh007s\_w facing south

#### WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site: City/County: Applicant/Owner: Investigator(s): \_ Section, Township, Range: Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): \_ Subregion (LRR or MLRA): Soil Map Unit Name: Are climatic / hydrologic conditions on the site typical for this time of year? Yes (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. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? Yes within a Wetland? Wetland Hydrology Present? Yes Remarks: **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) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Oxidized Rhizospheres along Living Roots (C3) Water Marks (B1) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Depth (inches): Water Table Present? Saturation Present? Wetland Hydrology Present? Yes Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: No hydrology present

<i>WR01</i> wroh007_u	
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VEGETATION (Four Strata) – Use scientific na	mes of pl	ants.		Sampling Point:
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species?		Number of Dominant Species
1. Pinus faide	<u> </u>		FAC	That Are OBL, FACW, or FAC: (A)
1. fines tarde 2. Liquidanter styre: flee	<u> 15</u>		FAC	T-t-IN
3				Total Number of Dominant Species Across All Strata: (B)
4				Operator Access 7 th Ottata.
5				Percent of Dominant Species
				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7	-			Total % Cover of: Multiply by:
8	7/		-	OBL species x1 =
0.00	22_	= Total Cov	er 11	
50% of total cover:	20% of	total cover	:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size:)	pm			FAC species x 3 =
1. Chrice code nigra			FAC	FACU species x 4 =
2. Course corresponding	20		FIKW	UPL species x 5 =
3. Symplocus Dinetoria	20	$\sqrt{}$	FAC	Column Totals: (A) (B)
4. Person berbonic	10		FACW	
5. Liquidantas Styra flux	5		FAC	Prevalence Index = B/A =
/				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
8				☐ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
~	<u>60</u>	= Total Cov	er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 30	20% of	total cover		
Herb Stratum (Plot size:)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Ilex glabra		$\rightarrow$	PAC	be present, unless disturbed or problematic.
2. Vaccionain porreprocess	<u> </u>	$\mathcal{L}$	FACW	Definitions of Four Vegetation Strata:
3				_
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5.				height.
6.				
				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7	* ****			than 5 m. DDIT and greater than 5.25 m (1 m) tail.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12			<del></del>	
~	40:	= Total Cov	er	
50% of total cover:	20% of	total cover:	2_	
Woody Vine Stratum (Plot size:)		/		
1. Louvers coping			FAC	
2. Smilar catinaliblia	5		PAC	
3.				
4.				
5		<del></del>		
J	10			Hydrophytic Vegetation
<b>******</b>	/	= Total Cov	$\sim$	Present? Yes No
50% of total cover:		total cover:	<u> </u>	
Remarks: (If observed, list morphological adaptations below	ow).			

wroh007<u>-</u>672.u

	wr¢h007 <u>~</u> u^/~
SOIL	Sampling Point:
Profile Description: (Describe to the depth needed to document the indicator or confirm	
Depth Matrix Redox Features	
(inches) Color (moist) % Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
0-5 104R 4/2	SANGy LOAM
<u> </u>	gardy loom
¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	2,
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	<sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U)	
Histic Epipedon (A2)  Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
☐ Black Histic (A3) ☐ Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)  Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)  Organic Bodies (A6) (LRR P, T, U)  Depleted Matrix (F3)  Redox Dark Surface (F6)	☐ Anomalous Bright Loamy Soils (F20)
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	(MLRA 153B)  Red Parent Material (TF2)
Muck Presence (A8) (LRR U)  Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)  Depleted Ochric (F11) (MLRA 151)  Thick Book Surface (A12)	
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, 1 Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	<ul> <li>Indicators of hydrophytic vegetation and wetland hydrology must be present,</li> </ul>
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B)	
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149)	·
☐ Stripped Matrix (S6) ☐ Anomalous Bright Loamy Soils (F20) (MLRA ☐ Dark Surface (S7) (LRR P, S, T, U)	A 149A, 153C, 153D)
Restrictive Layer (if observed):	
Type:	
Depth (inches):	Hydric Soil Present? Yes No
Remarks:	-
Hydric soil not present	

## wroh007\_u



Upland data point wroh007\_u facing east



Upland data point wroh007\_u facing south

### wroh007 soils



Wetland/upland soils

Applicant/Owner: Dominion	Section, Township	Range: No	e: <u>NC</u> Sa	ampling Date: 7-11-16 ampling Point: Wrop001e-
Landform (hillslope, terrace, etc.): drainage Subregion (LRR or MLRA): LRRP Lat:	Local relief (concar 34.7256091	ve, convex, non	e): Concave	Slope (%): <u>S-5</u> 97 Datum: <u>W6384</u>
Are climatic / hydrologic conditions on the site typical for this time Are Vegetation, Soil, or Hydrology signific Are Vegetation, Soil, or Hydrology natura SUMMARY OF FINDINGS – Attach site map show	cantly disturbed?	Are "Normal Cire (If needed, expla	cumstances" pres ain any answers i	ent? Yes No n Remarks.)
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sam	pled Area		No
Remarks: Rain Within 24 hours			201 House and Miles	
HYDROLOGY	Landa de la Calendaria de			i i i i i i i i i i i i i i i i i i i
Wetland Hydrology Indicators:		Sec	THE SHIP WAS DESIGNATED IN THE SHIP OF THE	s (minimum of two required)
Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Hydrogen Su  Oxidized Rhiz  Presence of I  Recent Iron F	a (B13) s (B15) (LRR U) lfide Odor (C1) zospheres along Living R Reduced Iron (C4) Reduction in Tilled Soils (	C6)	Drainage Patter Moss Trim Line Dry-Season Wa Crayfish Burrow Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te	ated Concave Surface (B8) rns (B10) s (B16) ster Table (C2) vs (C8) sle on Aerial Imagery (C9) sition (D2) rd (D3)
Surface Water Present? Yes No Depth (in Water Table Present? Yes No Depth (in Saturation Present? Yes No Depth (in (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial	nches): Surface			Yes No
Describe Necorded Data (stream gauge, monitoring Year, decise	photos, photosos map			
Remarks:				

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:  Prevalence Index worksheet:  Total % Cover of:  Multiply by:  OBL species  FACW species  FAC species  FAC uspecies  Value				
Species Across All Strata: (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)  Prevalence Index worksheet:  Total % Cover of: Multiply by:  OBL species x1 =				
That Are OBL, FACW, or FAC:				
Total % Cover of: Multiply by:  OBL species x1 = FACW species x2 = FAC species x3 = FACU species x4 = UPL species x5 = Golumn Totals: (A) (B)  Prevalence Index = B/A = Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain)				
Total % Cover of: Multiply by:  OBL species x1 = FACW species x2 = FAC species x3 = FACU species x4 = UPL species x5 = Golumn Totals: (A) (B)  Prevalence Index = B/A = Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain)				
OBL species				
FACW species				
FAC species				
FACU species x 4 =				
UPL species x 5 = (A) (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%  3 - Prevalence Index is ≤3.0¹  Problematic Hydrophytic Vegetation¹ (Explain)  ¹Indicators of hydric soil and wetland hydrology must				
Column Totals: (A) (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%  3 - Prevalence Index is ≤3.0¹  Problematic Hydrophytic Vegetation¹ (Explain)  ¹Indicators of hydric soil and wetland hydrology must				
Prevalence Index = B/A =				
Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  2 - Dominance Test is >50%  3 - Prevalence Index is ≤3.0¹  Problematic Hydrophytic Vegetation¹ (Explain)  ¹Indicators of hydric soil and wetland hydrology must				
Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  2 - Dominance Test is >50%  3 - Prevalence Index is ≤3.0¹  Problematic Hydrophytic Vegetation¹ (Explain)  ¹Indicators of hydric soil and wetland hydrology must				
1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain)  ¹Indicators of hydric soil and wetland hydrology must				
2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain)  ¹Indicators of hydric soil and wetland hydrology must				
3 - Prevalence Index is ≤3.0¹ ☐ Problematic Hydrophytic Vegetation¹ (Explain)  ¹Indicators of hydric soil and wetland hydrology must				
Problematic Hydrophytic Vegetation¹ (Explain)  Indicators of hydric soil and wetland hydrology must				
Indicators of hydric soil and wetland hydrology must				
Indicators of hydric soil and wetland hydrology must				
Indicators of hydric soil and wetland hydrology must				
the present unless distribed of problematic.				
Definitions of Four Vegetation Strata:				
Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or				
more in diameter at breast height (DBH), regardless of				
height.				
Sapling/Shrub - Woody plants, excluding vines, 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 vine - All woody vines greater than 3.28 ft in				
height.				
The Company of the state of the				
- Hydrophytic				
Vegetation				
Vegetation				
u				

	Matrix Caladian	n/ -	Color (moist)	ox Features % Typ	e¹ Loc²	Texture	Remarks
- G	2.5, 4/1	90	10: 4/4	10 0	- M	SL	
ALPHA CARLO		A LIMANDON METRANDO O COM	1047 119		NATIONAL PROPERTY.	5	
-20	2.544/1	100			AND THE STATE OF T		
				<u> </u>	10.00 mm - 10.00 mm -	Talker State of the State of th	And the first of the second se
			الدعا يوم باللاساديين			<u> </u>	and the second section is a second section of the second section of the second section is a second section of the second section secti
						1.4	
pe: C=C	oncentration, D=Dep	letion, RM=I	Reduced Matrix, M	MS=Masked Sand	Grains.		L=Pore Lining, M=Matrix.
dric Soil	Indicators: (Applic	able to all L	RRs, unless other	erwise noted.)			or Problematic Hydric Soils3:
Histoso				Below Surface (S8			ick (A9) (LRR O)
	pipedon (A2)			Surface (S9) (LRF		Peducer	ick (A10) <b>(LRR S)</b> d Vertic (F18) <b>(</b> outside MLRA 150A,B
	istic (A3) en Sulfide (A4)			ky Mineral (F1) (I yed Matrix (F2)	LKK O)		nt Floodplain Soils (F19) (LRR P, S, T)
TORONO LANCE SERVICE	d Layers (A5)		Depleted M				ous Bright Loamy Soils (F20)
Organic	Bodies (A6) (LRR P			Surface (F6)			A 153B)
	ucky Mineral (A7) (LI			ark Surface (F7)			ent Material (TF2) allow Dark Surface (TF12)
	resence (A8) (LRR L	1)	Marl (F10)	ressions (F8)			explain in Remarks)
	uck (A9) (LRR P, T) d Below Dark Surfac	e (A11)		chric (F11) (MLR	A 151)		
	ark Surface (A12)			nese Masses (F1		T) <sup>3</sup> Indical	tors of hydrophytic vegetation and
	Prairie Redox (A16) (			face (F13) (LRR		wetla	and hydrology must be present,
	Mucky Mineral (S1) (	LRR O, S)		c (F17) (MLRA 1			ss disturbed or problematic.
	Gleyed Matrix (S4) Redox (S5)			ertic (F18) (MLRA loodplain Soils (F			
	d Matrix (S6)			Bright Loamy So			153D)
	urface (S7) (LRR P,	s, T, U)					The second secon
strictive	Layer (if observed)	:	COLUMN TRESTER ASSESSMENT OF THE				
Type:							12 V / No
Depth (ir	nches):		ATTENDED			Hydric Soil F	Present? Yes V No No
7,900 Mall 2000 Partners	nches):					Hydric Soil F	Present? Yes V No No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):		00000000000000000000000000000000000000			Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):				Citiz Application of the Citizens of the Citiz	Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes V No
Depth (ir	nches):					Hydric Soil F	Present? Yes No
Depth (ir	nches):					Hydric Soil F	Present? Yes No

### Environmental Field Surveys Waterbody Photo Page



Waterbody data point wrop001e\_w facing east.



Waterbody data point wrop001e\_w facing south.

AND AND AND THE REPORT OF THE PROPERTY OF THE	county: Robeson Sampling Date: 7-11-16
Applicant/Owner: Daniales	State: MC Sampling Point: Wrop OOI f-L
Investigator(s): EST (Turnhall /Vaughan) Section	on, Township, Range: None
Landform (hillslope, terrace, etc.): drainage Local	relief (concave, convex, none): Concave Slope (%): 3->
Subregion (LRR or MLRA): LRRP Lat: 34.725	5851 Long: 79,141930 Datum: W&84
Soil Map Unit Name: Johnston Soils	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	20일 : 12:15 전 : 12:15 전 : 13:15 전 :
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS - Attach site map showing sam	
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sampled Area within a Wetland? Yes No
NCWAM : Riverine Swamp Forest	
Rain within 24 hours	
HYDROLOGÝ	
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) ☐ Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  High Water Table (A2)  Marl Deposits (B15) (LRF	
Saturation (A3) Hydrogen Sulfide Odor (C	### #################################
Water Marks (B1) Oxidized Rhizospheres a	[2012]
Sediment Deposits (B2)  Drift Deposits (B3)  Presence of Reduced Iro Recent Iron Reduction in	
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5)  Other (Explain in Remark	(1985년 - 1987년 br>- 1987년 - 1987
☐ Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	1 k
Water Table Present? Yes No Depth (inches): 8 Saturation Present? Yes No Depth (inches): 5	
Saturation Present? Yes No Depth (inches): Sur	Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	

		Dominan Species'	t Indicator 7 Status	Dominance Test worksheet:				
1. Acer rubrum	60	yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)				
2. Liquidamber Styraciffus	10	no	FAC	=				
unidentified sp.	5	no	LINK	Total Number of Dominant Species Across All Strata:  (B)				
				Species Across Air Strata.				
	70,175,050	A STORY OF		Percent of Dominant Species				
			Value of the same	That Are OBL, FACW, or FAC: 100 (A/E				
				Prevalence Index worksheet:				
		000000000		Total % Cover of: Multiply by:				
	75	= Total Co		OBL species x 1 =				
HOLE TO BOOK CONTROL IN THE POST OF THE POST IN THE P				FACW species x 2 =				
50% of total cover: 37.5	_ 20% of	total cove	r:_/o_	FAC species x 3 =				
apling/Shrub Stratum (Plot size: 30ff x30ff )								
Acer rubrum	40	yes	FAC	FACU species x 4 =				
Light danter Styreciflua	10	no	FAC	UPL species x 5 =				
				Column Totals: (A) (B				
(becinium corymbosum	10	no	FACW					
				Prevalence Index = B/A =				
AND THE RESERVE OF THE PROPERTY OF THE PROPERT				Hydrophytic Vegetation Indicators:				
AND SOLD OF THE PROPERTY OF TH				N # 1987 TO BE MODELINE REPORTED AND ADMINISTRATION OF A STREET AND A				
				1 - Rapid Test for Hydrophytic Vegetation				
				2 - Dominance Test is >50%				
				3 - Prevalence Index is ≤3.01				
	60	= Total Co	ver	Problematic Hydrophytic Vegetation (Explain)				
50% of total cover: 30	20% of	total cove	- 12					
erb Stratum (Plot size: 3of+ × 3of+ )				1				
	r -		Eller	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
. Woodwhilis arcolata	60	(100m) # 1000 (100 (100 (100 (100 (100 (100 (1		A TOTAL OF A LOCATION OF A LOC				
Arundinaria gigantea	20	yes	FACW	Definitions of Four Vegetation Strata:				
Osmunda spectabilis	5	no	OBL	Tree - Woody plants, excluding vines, 3 in. (7.6 cm)				
THE REPORT OF THE PROPERTY OF				more in diameter at breast height (DBH), regardless of				
				height.				
	COLUMN TO SERVICE	CONTRACTOR						
			ALA LABORA	Sapling/Shrub - Woody plants, excluding vines, less				
				than 3 in. DBH and greater than 3.28 ft (1 m) tall.				
				Herb – All herbaceous (non-woody) plants, regardles				
				of size, and woody plants less than 3.28 ft tall.				
				of size, and woody plants less than size it tall				
O			and the state of the	Woody vine - All woody vines greater than 3.28 ft in				
				height.				
	85	= Total Co	NO.	Butter and the comment of the commen				
Un E								
50% of total cover: 42.5	_ 20% of	total cove	r/_					
loody Vine Stratum (Plot size: 30ff x30ff )								
Smilax rotundifolia	10	ves	FAC					
Sent to the transfer of the sent of the se		Test / residential						
	(21 7949 T 45	The second second	5.5					
		Land Rock	Service Commence					
		San American	Landa Company					
				Hydrophytic				
managa - uma a sasarana managana a sarana an managana a sarana an managana a sarana an managana a sarana a sar	10	- Total Co	Wor	Venetation				
5	I entire actions at the		[1] 전 [1] 1 [1] 1 [1] 1 [1] 1 [1] 1 [1]	Present? Yes V No				
50% of total cover:	_ 20% of	total cove	r:					
550% of total cover:550% of total cover:550% of total cover:55	_ 20% of	= Total Co	[1] 전 [1] 1 [1] 1 [1] 1 [1] 1 [1] 1 [1]	Hydrophytic Vegetation Present?  Yes No				

epth	Matrix			dox Features		12	Texture	Remarks
inches)	Color (moist)	160	Color (moist)	%	Type'	_Loc²	SL	TOTAL STATE OF THE PARTY OF THE
>-5	10yrz/1	100	to who			- 0.4	<u>LS</u>	
5-12	2.5, 4/1		10 yr 4/4	_ 5		101	AND A MENTAL PROPERTY OF THE P	The following date of the first
2-20	1.5y 4/1	100			_		LS_	
ype: C=C ydric Soil Histoso Histic E Black H Hydrog Stratifie Organic 5 cm M Muck P 1 cm M Deplete Thick D Coast F Sandy Sandy Sandy Strippe	Concentration, D=De Indicators: (Applie	pletion, RM- cable to all P, T, U) RR P, T, U) U) ce (A11) (MLRA 150/ (LRR O, S)	LRRs, unless of  Polyvalue Thin Dark Loamy Mu Loamy Gle Depleted I Redox Da Depleted I Redox De I Depleted I I ron-Mang I Umbric St Delta Och Reduced Piedmont	herwise not Below Surfa Surface (S9) ucky Mineral eyed Matrix (F3) rk Surface (F Dark Surface epressions (F ) (LRR U) Ochric (F11) panese Mass urface (F13) rric (F17) (MI Vertic (F18) Floodplain S	ed.) ce (S8) (L ) (LRR S, (F1) (LRR (F2)  66) e (F7) 8)  (MLRA 1 es (F12) ( (LRR P, T LRA 151) (MLRA 150) (MLRA 150)	RR S, T, T, U) O) 51) LRR O, P , U) 00, 1508 (MLRA 1	Indicators for  Indicators for  I cm Mucl  2 cm Mucl  Reduced V  Piedmont  Anomalou  (MLRA  Red Paret  Very Shal  Other (Ex	nt Material (TF2) low Dark Surface (TF12) plain in Remarks)  ars of hydrophytic vegetation and d hydrology must be present, disturbed or problematic.
Type:	Layer (if observed						Hydric Soil Pr	esent? Yes V No

# Environmental Field Surveys Waterbody Photo Page



Waterbody data point wrop001f\_w facing south.



	State: NC Sampling Point: USOD 001-4
Applicant/Owner: Dominion	State: 70 Sampling Point. 600 Poor a
Investigator(s): EST(W-Vaushan, 2 Turnbull) Secti	on, Township, Range: 1700 C
Landform (hillslope, terrace, etc.): hillslope Loca	I relief (concave, convex, none): Convex Slope (%): 5-5
Subregion (LRR or MLRA): Lat: 34.7256	714 Long: -79.141816 Datum: WGS 84
Soil Map Unit Name: Johnston Soils	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year?	res No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	경영하다 [40] [40] 다른 나는 다른 다른 아이는 성상 경영화를 다면서 아이를 살아왔다. 그는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS - Attach site map showing sar	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No  Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks: Rain within 24 hours	
HYDROLOGÝ	
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) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (LR	
Saturation (A3) Hydrogen Sulfide Odor (	
Water Marks (B1) Oxidized Rhizospheres a	along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)	
Drift Deposits (B3)	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Uther (Explain in Remar	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Water-Stained Leaves (B9)	Spriagram moss (56) (criticity 5)
Field Observations:	A
Surface Water Present? Yes No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches): No No Depth (inches): No No Depth (inches): No No No No No No No No No No No No No	20 :0
· Entractage Characteristic Charact	20:0 Wetland Hydrology Present? Yes No V
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	Company to the Company of the Compan

Tree Stratum (Plot size: 50ff 220F4)	Absoluto	Dominan	Indicator	Dominance Test worksheet:
			Status	Number of Dominant Species
1. Limidendron talipiters	40	ves	F 4 4	That Are OBL, FACW, or FAC: (A)
		Ves	FACU	
	26		-	Total Number of Dominant
3. Ilex opace	20	Yes	FAC	Species Across All Strata: (B)
4.	do.			Percent of Dominant Species 78
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
				That Ale Obc, I Novi, of The
		Ter Committee	-0.000000000000000000000000000000000000	Prevalence Index worksheet:
7.		0.4840.00		Total % Cover of: Multiply by:
8				The state of the s
	80	= Total Co	ver	OBL species x 1 =
50% of total cover: 40				FACW species x 2 =
2016年1月 - 17 17 17 17 17 17 17 17 17 17 17 17 17	_ 20% 01	total cove		FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30ft +30ft )			64.	FACU species x 4 =
1. Lighstrum sinense	10	yes	FAC	UPL species x 5 =
2.			10.445155599	<ul><li>1. 日に日本が日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日</li></ul>
				Column Totals: (A) (B)
3.				
4,				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6.				1 - Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
		FT.1007 C P.775		- 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19
8.	10			☐ 3 - Prevalence Index is ≤3.01
		= Total Co	TO THE RESIDENCE OF THE PARTY O	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 5	_ 20% of	total cove	2_	
Herb Stratum (Plot size: 30ff x 30ff)				Indicators of hydric soil and wetland hydrology must
1. Osmundastrom Cinna momerum	5	Ves	FACW	be present, unless disturbed or problematic.
	-		The State of the S	Definitions of Four Vegetation Strata:
2 Asplenium platyneuron		WORK AND SHOULD	allow-skindlerentifichenst	Dennitions of Four Vegetation ordina.
3. Woodcardía arcolata	10	yes	OBL	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) o
4.				more in diameter at breast height (DBH), regardless of
5.	\$50 (C.95), 058, \$100, \$20, \$20, \$20, \$20, \$20, \$20, \$20, \$			height.
The state of the s				- the fact that the second training them
6.				Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7.			1912/1017	than 3 in. DBH and greater than 3.28 it (1 m) tail.
8.				Herb - All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10.			Compared to the Compared Compa	Woody vine - All woody vines greater than 3.28 ft in
11		1162 2006		height.
12.				
	20	= Total Co	ver	The state of the s
50% of total cover: _/o	Prendering and Compa	total cove		
	_ 20 /8 01	total cove	Marie Property and	
Woody Vine Stratum (Plot size: 2084 X3084			F- 1	
1. Vitis Cotand folia	20	yes	PAC	
1. Vitis Potendifolis	20	yes ves	FAC	
1. Vitis lotundifolic 2. Sm. laz rotundifolic	20	dread from the state of the state of	PAC FAC	
1. Vitis Potendifolis	20	dread from the state of the state of	PAC FAC	
1. Vitis Cotandifolic 2. Sm. laz rotandifolic	20	dread from the state of the state of	FAC	
1. Vitis Cotandifolic 2. Sm. lax rotandifolic 3.	20	dread from the state of the state of	PAC FAC	Hydrophytic
1. Vitis Cotandifolic 2. Sm. lar rotandifolic 3.	20	yes	PAC FAC	Hydrophytic Vegetation
1. Vitis Cotandifolic 2. Sm. lax rotandifolic 3.	40	yes = Total Co	District Control of the Control of t	

epth	Matrix		Redox	Features			e absence of in		Jamarka	
nches)	Color (moist)	%	Color (moist)	%	Type'	Loc*	Texture		Remarks	
1-4	2.544/2	100					5			
-20	2.59.5/3	100					<u>S</u>			
dric Soil Histoso Histic E Black H Hydroge Stratifie Organic 5 cm M Muck P 1 cm M Depleta Thick D Coast F Sandy I Sandy I	oncentration, D=De Indicators: (Appli I (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) e Bodies (A6) (LRR ucky Mineral (A7) (L resence (A8) (LRR P, T) d Below Dark Surfa ark Surface (A12) Prairie Redox (A16) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6)	P, T, U) LRR P, T, U) U) ICE (A11) (MLRA 150A)	RRs, unless other Polyvalue Be Thin Dark Su Loamy Mucky Loamy Gleye Depleted Mal Redox Dark S Depleted Dar Redox Depre Marl (F10) (L Depleted Oct Iron-Mangan Umbric Surfa Delta Ochric Reduced Ver Piedmont Flo	wise note low Surface (S9) / Mineral d Matrix ( rix (F3) Surface (F4 k Surface ssions (F RR U) nric (F11) ese Mass ce (F13) ( (F17) (ML tic (F18) ( rodplain S	ed.) ce (S8) (LR (CF1) (LRR S, T, (F1) (LRR C) (F2) (F6) (MLRA 151 es (F12) (LF (LRR P, T, U LRA 151) (MLRA 150) (MLRA 150) (IS (F19) (IS	R S, T, U) U) ) RRR O, P, T; J) MLRA 149	Piedmont F Anomalous (MLRA 1 Red Paren Very Shalk Other (Exp	Problemat (A9) (LRR (A10) (LR 'ertic (F18) Floodplain Bright Los 53B) t Material ( ow Dark St lain in Rer s of hydrology disturbed o	tic Hydric (10) RS) (outside Soils (F19) amy Soils (TF2) urface (TF-	Soils <sup>3</sup> :  MLRA 150A,E ) (LRR P, S, T (F20)  12)  etation and oresent,
	urface (S7) (LRR P, Layer (if observed nches):						Hydric Soil Pre	esent?	/es	No_ V
emarks:	iui (Ga) -				WAS TOWN					

### Environmental Field Surveys Waterbody Photo Page



Waterbody data point wrop001\_u facing east.



Waterbody data point wrop001\_u facing north.

Applicant/Owner: Dominion	Section, Township	Range: No	e: <u>NC</u> Sa	ampling Date: 7-11-16 ampling Point: Wrop001e-
Landform (hillslope, terrace, etc.): drainage Subregion (LRR or MLRA): LRRP Lat:	Local relief (concar 34.7256091	ve, convex, non	e): Concave	Slope (%): <u>S-5</u> 97 Datum: <u>W6384</u>
Are climatic / hydrologic conditions on the site typical for this time Are Vegetation, Soil, or Hydrology signific Are Vegetation, Soil, or Hydrology natura SUMMARY OF FINDINGS – Attach site map show	cantly disturbed?	Are "Normal Cire (If needed, expla	cumstances" pres ain any answers i	ent? Yes No n Remarks.)
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sam	pled Area		No
Remarks: Rain Within 24 hours			201 House and Miles	
HYDROLOGY	Landa de la colonia de la c			i i i i i i i i i i i i i i i i i i i
Wetland Hydrology Indicators:		Sec	THE SHIP WAS DESIGNATED IN THE SHIP OF THE	s (minimum of two required)
Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Hydrogen Su  Oxidized Rhiz  Presence of I  Recent Iron F	a (B13) s (B15) (LRR U) lfide Odor (C1) zospheres along Living R Reduced Iron (C4) Reduction in Tilled Soils (	C6)	Drainage Patter Moss Trim Line Dry-Season Wa Crayfish Burrow Saturation Visib Geomorphic Po Shallow Aquitar FAC-Neutral Te	ated Concave Surface (B8) rns (B10) s (B16) ster Table (C2) vs (C8) sle on Aerial Imagery (C9) sition (D2) rd (D3)
Surface Water Present? Yes No Depth (in Water Table Present? Yes No Depth (in Saturation Present? Yes No Depth (in (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial	nches): Surface			Yes No
Describe Necorded Data (stream gauge, monitoring Year, decise	photos, photosos map			
Remarks:				

			nt Indicator	Dominance Test worksheet:		
	THE ROUTE DESIGNATION OF STREET	Species	7 Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)		
2			-	Total Number of Dominant Species Across All Strata:  (B)		
4				Percent of Dominant Species That Are OBL, FACW, or FAC:		
6.		-		Prevalence Index worksheet:		
7.		a south		14.10-1.11		
8		Letter and Letter				
	0	= Total Co	over	FACW species x 2 =		
50% of total cover:	_ 20% o	f total cove	er:	FAC species x3 =		
Sapling/Shrub Stratum (Plot size: Soft x 2011)				FACU species x 4 =		
1. None	A MALLEY ST			UPL species x 5 =		
2. The control of the				A III COMPRESSION E MORE TRANSPORTED TO MAKE HARDON MARKET MARK		
3.				Column Totals: (A) (B)		
4.				Prevalence Index = B/A =		
5.				Hydrophytic Vegetation Indicators:		
6.				1 - Rapid Test for Hydrophytic Vegetation		
7.	STATE OF THE REST OF			2 - Dominance Test is >50%		
8.				3 - Prevalence Index is ≤3.0¹		
TO SEE CONTROL OF THE PROPERTY		= Total Co	WAF	☐ Problematic Hydrophytic Vegetation¹ (Explain)		
50% of total cover:	rinteensitudensian servesia.					
	_ 20 % 0	i total cove		1		
Herb Stratum (Plot size: 50f4 /20ft )	10	No.	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
1. Afundinaria gigentea	-	yes	OBL	Definitions of Four Vegetation Strata:		
2. Scirpus cyperinus		110	U. D. Andrewski erreton of the			
3. Woodwardia arestata		O SCHOOL STREET, SCHOOL SCHOOL STREET, SCHOOL		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or		
4. The first the second company and a second control of the second	La Contractor			more in diameter at breast height (DBH), regardless of		
5.				height.		
6.			4.21.90	Sapling/Shrub - Woody plants, excluding vines, less		
7.				than 3 in. DBH and greater than 3.28 ft (1 m) tall.		
8. A superior of the second se				Herb - All herbaceous (non-woody) plants, regardless		
9.				of size, and woody plants less than 3.28 ft tall.		
10.				Woody vine - All woody vines greater than 3.28 ft in		
11.				height.		
12.						
	35	= Total Co	over			
50% of total cover: 17.5		f total cove				
Woody Vine Stratum (Plot size: Soft 20ft )	_ 20/00	, total cove				
1. Campsis radicans	5	Lies	EAR			
The state of the s	_	700	TALL			
2. Lonicera japonina		405	FACU			
			The state of the s			
4. The control of the		The Marie Conference of the				
5.				Hydrophytic		
		= Total Co	over	Vegetation Present? Yes No		
사용하는 경우는 경우를 하는 것이 되었다. 그 사람들은 사람들은 사람들은 살아 없는 것이 없었다.	20% of total cover:			Present? Yes No		
50% of total cover: 5	v).	i total cove				

	Matrix (Matrix	n/ -	Color (moist)	ox Features % Type	Loc²	Texture	Remarks
nches)	2.5, 4/1	90 /	10: 4/4	10 C	m	SL	
ALPHA CARLO		COMMENSATION OF THE PROPERTY OF THE PARTY OF	047 119		A Land Was Land or the Con-	5	
-20	2.544/1	100_			A CONTRACTOR		
					A CONTRACTOR		The second secon
				<u> </u>	100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm	Table of the state	
	wip to we will not the first		Market Mile According to		<u> </u>	50 Marie 100 Mar	
						1 summers of	The second secon
/pe: C=C	oncentration, D=Dep	letion, RM=F	Reduced Matrix, M	MS=Masked Sand	Grains.		L=Pore Lining, M=Matrix.
dric Soil	Indicators: (Applic	able to all L	RRs, unless oth	erwise noted.)			r Problematic Hydric Soils <sup>3</sup> :
Histoso				Below Surface (S8			ck (A9) (LRR O)
	pipedon (A2)			Surface (S9) (LRR		2 cm Muc	ck (A10) (LRR S)   Vertic (F18) (outside MLRA 150A,B
	istic (A3) en Sulfide (A4)			ky Mineral (F1) (L yed Matrix (F2)	KK O)		t Floodplain Soils (F19) (LRR P, S, T)
TORON, LANS STREET,	d Layers (A5)		Depleted M			Anomalo	us Bright Loamy Soils (F20)
Organic	Bodies (A6) (LRR P			Surface (F6)			(153B)
	ucky Mineral (A7) (LI			ark Surface (F7)			ent Material (TF2) allow Dark Surface (TF12)
	resence (A8) (LRR L	J)	Redox Dep	ressions (F8)			xplain in Remarks)
	uck (A9) (LRR P, T) d Below Dark Surfac	e (A11)		chric (F11) (MLR	A 151)		
	ark Surface (A12)	- ( ) , , , ,		nese Masses (F1		T) <sup>3</sup> Indicat	ors of hydrophytic vegetation and
	rairie Redox (A16) (I			face (F13) (LRR F		wetlar	nd hydrology must be present,
	Mucky Mineral (S1) (	LRR O, S)		c (F17) (MLRA 15			s disturbed or problematic.
	Gleyed Matrix (S4) Redox (S5)			ertic (F18) (MLRA loodplain Soils (F			
	d Matrix (S6)			Bright Loamy So			153D)
	urface (S7) (LRR P,	s, T, U)					de la 200 de la companya de la companya de la companya de la companya de la companya de la companya de la comp
estrictive	Layer (if observed)	:					
Typo		40.00					resent? Yes V No
Type:	NAMES OF STREET PROPERTY OF STREET, ST					Hydric Soil P	rosent? Yes NO
1/19/01/Aut 01/19/01/19/01	nches):		ALCOHAL TANK				TESCHILI TOS
73 00 Mall 1900 Partners	nches):						TESCHILI TOS
Depth (ir	nches):						TESCHILL 100
Depth (ir	nches):						TESCHI I
Depth (ir	nches):						TESCHILL 100
Depth (ir	nches):		A CONTRACTOR				
Depth (ir	nches):		A. COURSE TO ALCOHOLOGY				
Depth (ir	nches):						
Depth (ir	nches):		An Ottoback				
Depth (ir	nches):						
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Depth (ir	nches):						
Depth (ir	nches):						

### Environmental Field Surveys Waterbody Photo Page



Waterbody data point wrop001e\_w facing east.



Waterbody data point wrop001e\_w facing south.

AND AND AND THE REPORT OF THE PROPERTY OF THE	county: Robeson Sampling Date: 7-11-16
Applicant/Owner: Daniales	State: MC Sampling Point: Wrop OOI f-L
Investigator(s): EST (Turnhall /Vaughan) Section	on, Township, Range: None
Landform (hillslope, terrace, etc.): drainage Local	relief (concave, convex, none): Concave Slope (%): 3->
Subregion (LRR or MLRA): LRRP Lat: 34.725	5851 Long: 79,141930 Datum: W&84
Soil Map Unit Name: Johnston Soils	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	20일 : 12:15 전 : 12:15 전 : 13:15 전 :
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS - Attach site map showing sam	
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sampled Area within a Wetland? Yes No
NCWAM : Riverine Swamp Forest	
Rain within 24 hours	
HYDROLOGÝ	
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) ☐ Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  High Water Table (A2)  Marl Deposits (B15) (LRF	
Saturation (A3) Hydrogen Sulfide Odor (C	### #################################
Water Marks (B1) Oxidized Rhizospheres a	[2012]
Sediment Deposits (B2)  Drift Deposits (B3)  Presence of Reduced Iro Recent Iron Reduction in	
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5)  Other (Explain in Remark	(1985년 - 1987년 br>- 1987년 - 1987
☐ Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	1 k
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): No No	
Saturation Present? Yes No Depth (inches): Sur	Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	

	Absolute	Dominar	t Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 30H x 30H)	% Cover				
1. Acer rubrum	60	Ves	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:(A)	
				That Are OBE, FACTV, OT FAC.	
2. Liquidamber Styraciflus	10	no	FAC	Total Number of Dominant	
3. Unidentified sp.	5	no	UNK	Species Across All Strata: (B)	
4.					
				Percent of Dominant Species That Are OBL FACW or FAC: 100 (A/B)	
5.			Part of State of the Control	That Are OBL, FACW, or FAC: (A/B)	
6.		100000000000000000000000000000000000000	L. Transferrage and State of	Prevalence Index worksheet:	
7.		222			
8.				Total % Cover of: Multiply by:	
	75	- Total Co	Work	OBL species x 1 =	
6-	the state of the s			FACW species x 2 =	
50% of total cover: <u>37.5</u>	20% of	f total cove	r: /0	FAC species x 3 =	
Sapling/Shrub Stratum (Plot size: 30ff x30ff )					
1. Acer rubrum	40	yes	FAC	FACU species x 4 =	
	10	no		UPL species x 5 =	
		THE RESIDENCE OF THE RESIDENCE OF THE PARTY		Column Totals: (A) (B)	
3. Vaccinium Corymbosum	10	no	FACW	Coldinii Totalo.	
4.				Prevalence Index = B/A =	
5.				A PART OF THE PROPERTY OF THE	
CONTROL OF THE PROPERTY OF THE				Hydrophytic Vegetation Indicators:	
6.	programme programme			1 - Rapid Test for Hydrophytic Vegetation	
7.		1001000		2 - Dominance Test is >50%	
8.				☐ 3 - Prevalence Index is ≤3.01	
	60	- Total Co	Wor		
				Problematic Hydrophytic Vegetation¹ (Explain)	
50% of total cover: 30	20% of	total cove	1. 16		
Herb Stratum (Plot size: 30f+ × 30f+ )				<sup>1</sup> Indicators of hydric soil and wetland hydrology must	
1. Woodwardis arcolata	60	ves	FACW	be present, unless disturbed or problematic.	
	2.	ves	CONTRACTOR SPORTS AND ADMINISTRATION OF THE PARTY AND ADMINIST	Definitions of Four Vegetation Strata:	
2. Arundinaria gigantea		estant, a solephores	and the state of the second state of the second	Deminions of Four Vegetation Culture	
3. Osmunda spectabilis	_ 5	100	OBL	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or	
4. A REST CAR SECURITION OF THE SECURITION OF TH				more in diameter at breast height (DBH), regardless of	
5.				height.	
THE CONTRACTOR OF THE PROPERTY					
6.	AND THE RESERVE			Sapling/Shrub - Woody plants, excluding vines, less	
7.				than 3 in. DBH and greater than 3.28 ft (1 m) tall.	
8.				Herb - All herbaceous (non-woody) plants, regardless	
· 医克莱克斯氏检查检检验 医多数 医大胆性 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤				of size, and woody plants less than 3.28 ft tall.	
10			27 mars 1949 194 y a	Woody vine - All woody vines greater than 3.28 ft in	
11. The second control of the second control				height.	
12.					
1990 The contract of the contr	85	= Total Co	MARKET STREET		
//0.4					
50% of total cover: 42.5	20% 0	total cove	r: _/_		
Woody Vine Stratum (Plot size: 30ff x30ff)					
1. Smilax rotundifolia	10	Nes	FAC.		
200 accepts a proper department of a proper property of the property of the first transfer to the first transfer of the first transf	The second street,	and freezensis	e de la companya del companya de la companya del companya de la co		
2.	ACTOR DESCRIPTION	12.147800200.00K			
3.		Carried Roll			
4					
THE PARTY OF A SHALL HAVE BEEN ASSESSED TO SECURE TO SECURE THE SHALL HAVE BEEN ASSESSED. SHALL HAVE BEEN ASSESSED TO SHALL HAVE BEEN ASSESSED TO SHALL HAVE BEEN ASSESSED.		A SUPERIOR SHEET			
5.	Section and Course	CONTRACTOR SEC		Hydrophytic	
	_/0	= Total Co	over	Vegetation Present? Yes No	
50% of total cover: 5	20% 0	f total cove	er: 2	Present? Yes V No No	
(Aug. 27) 10.7 m (Aug. 2017) 11. 11. 11. 11. 11. 11. 11. 11. 11. 11	and the property of	like ver, ed eliffishesestite suero vivoro revusta eco	ASSESSMENT AND ADDRESS		
Remarks: (If observed, list morphological adaptations belo					
	w).				
	w).				
	)W).				
	w).				

epth	Matrix			dox Features		12	Texture	Remarks
inches)	Color (moist)	160	Color (moist)	%	Type'	_Loc²	SL	TOTAL STATE OF THE PARTY OF THE
>-5	10yrz/1	100	to who			- 0.4	<u>LS</u>	
5-12	2.5, 4/1		10 yr 4/4	_ 5		101	AND A MENTAL PROPERTY OF THE P	The following the control of the con
2-20	1.5y 4/1	100			_		LS_	
ype: C=C ydric Soil Histoso Histic E Black H Hydrog Stratifie Organic 5 cm M Muck P 1 cm M Deplete Thick D Coast F Sandy Sandy Sandy Strippe	Concentration, D=De Indicators: (Applie	pletion, RM- cable to all P, T, U) RR P, T, U) U) ce (A11) (MLRA 150/ (LRR O, S)	LRRs, unless of  Polyvalue Thin Dark Loamy Mu Loamy Gle Depleted I Redox Da Depleted I Redox De I Depleted I I ron-Mang I Umbric St Delta Och Reduced Piedmont	herwise not Below Surfa Surface (S9) ucky Mineral eyed Matrix (F3) rk Surface (F Dark Surface epressions (F ) (LRR U) Ochric (F11) panese Mass urface (F13) rric (F17) (MI Vertic (F18) Floodplain S	ed.) ce (S8) (L ) (LRR S, (F1) (LRR (F2)  66) e (F7) 8)  (MLRA 1 es (F12) ( (LRR P, T LRA 151) (MLRA 150) (MLRA 150)	RR S, T, T, U) O) 51) LRR O, P , U) 00, 1508 (MLRA 1	Indicators for  Indicators for  I cm Mucl  2 cm Mucl  Reduced V  Piedmont  Anomalou  (MLRA  Red Paret  Very Shal  Other (Ex	nt Material (TF2) low Dark Surface (TF12) plain in Remarks)  ars of hydrophytic vegetation and d hydrology must be present, disturbed or problematic.
Type:	Layer (if observed						Hydric Soil Pr	esent? Yes V No

# Environmental Field Surveys Waterbody Photo Page



Waterbody data point wrop001f\_w facing south.



## WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

	State: NC Sampling Point: USOD 001-4
Applicant/Owner: Dominion	State: 70 Sampling Point. 600 Poor a
Investigator(s): EST(W-Vaushan, 2 Turnbull) Secti	on, Township, Range: 1700 C
Landform (hillslope, terrace, etc.): hillslope Loca	I relief (concave, convex, none): Convex Slope (%): 5-5
Subregion (LRR or MLRA): Lat: 34.7256	714 Long: -79.141816 Datum: WGS 84
Soil Map Unit Name: Johnston Soils	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year?	res No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	경영하다 (1977년 전 시간 1.15 이번에 생성하다) 전체 등록하면 하고 있는데 보고 되 되었다. 보고 있는데
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS - Attach site map showing sar	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No  Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks: Rain within 24 hours	
HYDROLOGÝ	
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) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (LR	
Saturation (A3) Hydrogen Sulfide Odor (	
Water Marks (B1) Oxidized Rhizospheres a	along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)	
Drift Deposits (B3)	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Uther (Explain in Remar	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Water-Stained Leaves (B9)	Spriagram moss (56) (clark 1, 5)
Field Observations:	A
Surface Water Present? Yes No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches): No No Depth (inches): No No Depth (inches): No No No No No No No No No No No No No	20 :0
· Entractage Characteristic Charact	20.0 Wetland Hydrology Present? Yes No V
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	Company to the Company of the Compan

Tree Stratum (Plot size: 50ff 220F4)	Absoluto	Dominan	Indicator	Dominance Test worksheet:
			Status	Number of Dominant Species
1. Limidendron talipiters	40	ves	F 4 4	That Are OBL, FACW, or FAC: (A)
		Ves	FACU	
	26		-	Total Number of Dominant
3. Ilex opace	20	Yes	FAC	Species Across All Strata: (B)
4.	do.			Percent of Dominant Species 78
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
				That Ale Obc, I Novi, of The
		Ter Committee	-0.000000000000000000000000000000000000	Prevalence Index worksheet:
7.				Total % Cover of: Multiply by:
8				The state of the s
	80	= Total Co	ver	OBL species x 1 =
50% of total cover: 40				FACW species x 2 =
2016年1月 - 17 17 17 17 17 17 17 17 17 17 17 17 17	_ 20% 01	total cove		FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30ft +30ft )			64.	FACU species x 4 =
1. Lighstrum sinense	10	yes	FAC	UPL species x 5 =
2.			10.445155599	<ul><li>1. 日に日本が日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日</li></ul>
				Column Totals: (A) (B)
3.				
4,				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6.				1 - Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
		FT.1007 C P.775		- 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19
8.	10			☐ 3 - Prevalence Index is ≤3.01
		= Total Co	TO THE REAL PROPERTY AND ADDRESS OF THE PARTY OF THE PART	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 5	_ 20% of	total cove	r:_2_	
Herb Stratum (Plot size: 30ff x 30ff)				Indicators of hydric soil and wetland hydrology must
1. Osmundastrom Cinna momerum	5	Ves	FACW	be present, unless disturbed or problematic.
	-		The State of the S	Definitions of Four Vegetation Strata:
2 Asplenium platyneuron		WORDS AND SHOULD SEE	allow-skindlerentificheners	Dennitions of Four Vegetation ordina.
3. Woodcardía arcolata	10	yes	OBL	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) o
4.				more in diameter at breast height (DBH), regardless of
5.	\$50 (C.95), 058, \$50, \$50, \$50, \$50, \$50, \$50, \$50, \$50			height.
The state of the s				- to the term of the last section of the section of
6.				Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7.			1912/1017	than 3 in. DBH and greater than 3.28 it (1 m) tail.
8.				Herb - All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10.			Comparation of the	Woody vine - All woody vines greater than 3.28 ft in
11		1162 2006		height.
12.				
	20	= Total Co	ver	The state of the s
50% of total cover: _/o	Prendering and Compa	total cove		
	_ 20 /8 01	total cove	Marie Property and	
Woody Vine Stratum (Plot size: 2084 X3084			F 4	
1. Vitis Cotand folia	20	yes	PAC	
1. Vitis Potendifolis	20	yes ves	FAC	
1. Vitis lotundifolic 2. Sm. laz rotundifolic	20	dread from the state of the state of	PAC FAC	
1. Vitis Potendifolis	20	dread from the state of the state of	PAC FAC	
1. Vitis Cotandifolic 2. Sm. laz rotandifolic	20	dread from the state of the state of	FAC	
1. Vitis Cotandifolic 2. Sm. lax rotandifolic 3.	20	dread from the state of the state of	PAC FAC	Hydrophytic
1. Vitis Cotandifolic 2. Sm. lar rotandifolic 3.	20	yes	PAC FAC	Hydrophytic Vegetation
1. Vitis Cotandifolic 2. Sm. lax rotandifolic 3.	40	yes = Total Co	District Control of the Control of t	

	Matrix	0.0	0-1 (	n/	Time! In	C <sup>2</sup>	Texture		Remarks	
ches)	Color (moist)	%	Color (moist)	%	Type' Lo	-	5			
- 4	2.544/2	100					5			POTENTIAL SERVICE
20	2.5,5/3	100					7			
les au										
				-						
			D 4 - 4 N - 14 - 119		Sand Crains		²Location: I	PI =Pore Li	ning. M=Ma	trix.
pe: C=C	Indicators: (Appli	cable to all l	Reduced Matrix, MS RRs, unless other	wise not	ed.)		Indicators f	or Probler	natic Hydri	c Soils <sup>3</sup> :
Histosol		Cabic to air			ce (S8) (LRR S	s, T, U)	1 cm M	uck (A9) (L	RR O)	
	pipedon (A2)				(LRR S, T, U)		2 cm M	uck (A10) (	LRR S)	
	istic (A3)		Loamy Mucky				Reduce	d Vertic (F	18) (outside	MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleye		F2)				Loamy Soils	9) (LRR P, S, T)
	d Layers (A5)		Depleted Mat		(e)			A 153B)	Loamy Com	, (123)
	Bodies (A6) (LRR I ucky Mineral (A7) (L		Depleted Dar				Red Pa	rent Materi	al (TF2)	
	resence (A8) (LRR		Redox Depre						Surface (T	F12)
	uck (A9) (LRR P, T)		☐ Marl (F10) (L	RR U)			Other (	Explain in F	Remarks)	
	d Below Dark Surfa	ce (A11)	Depleted Och				3, ,,	tara af bur	leophytic vo	getation and
	ark Surface (A12)				es (F12) (LRR	O, P, T)	Indica	and bydrok	ogy must be	present.
	rairie Redox (A16)		Delta Ochric		(LRR P, T, U)		unte	ss disturbe	d or probler	natic.
	Mucky Mineral (S1)	(LRRO, S)			(MLRA 150A,	150B)	unic	33 610(2100		
	Gleyed Matrix (S4) Redox (S5)				Soils (F19) (MLI		)			
	Matrix (S6)		Anomalous B	right Loa	my Soils (F20)	(MLRA	149A, 153C,	153D)		
	urface (S7) (LRRP,	S, T, U)								
strictive	Layer (if observed	1):								
Type:									V	No_V
12 San Carlo	age eller reproducted more electricity of a discuss on a confiction of								162	
	nches):				ar sharing and		Hydric Soil	Present?		SEASON SERVICES TRANSPORTED TO SE
Depth (ir	nches):				year water deal		Hydric Soil	Present?		
Depth (ir	nches):				A PART OF THE PART		Hydric Soil	Present?		
Depth (ir	nches):						Hydric Soil	Present?		
Depth (ir	nches):						Hydric Soil	Present?		
Depth (ir	nches):						Hydric Soil	Present?	Casting Lands of Casting Casti	
Depth (ir	nches):	त का जा हु					Hydric Soil	Present?		
Depth (ir	nches):	H A H B					Hydric Soll	Present?		
Depth (ir	nches):						Hydric Soll	Present?		
Depth (ir	nches):						Hydric Soll	Present?		
Depth (ir	nches):	त का ना हु					Hydric Soll	Present?		
Depth (ir	nches):	A STATE OF THE STA					Hydric Soll	Present?		
Depth (ir	nches):	A Company					Hydric Soll	Present?		
Depth (ir	nches):						Hydric Soll	Present?		
Depth (ir	nches):						Hydric Soll	Present?		
Depth (ir	nches):						Hydric Soll	Present?		
Depth (ir	nches):						Hydric Soll	Present?		
Depth (ir	nches):						Hydric Soll	Present?		
Depth (ir	nches):						Hydric Soll	Present?		
Depth (ir	nches):						Hydric Soll	Present?		
	nches):						Hydric Soll	Present?		
Depth (ir	nches):						Hydric Soll	Present?		
Depth (ir	nches):						Hydric Soll	Present?		

#### Environmental Field Surveys Waterbody Photo Page



Waterbody data point wrop001\_u facing east.



Waterbody data point wrop001\_u facing north.

WETLAND DETERMINATION DATA	FORM - Atla	ntic and G	ulf Coastal Pi	ain Region
Project/Site:	City/County:	Robes	on	8-28-14 Sampling Date:
Applicant/Owner: Dominion			State: NC	Sampling Point POHOC
Investigator(s):	Section, Townsh	ip, Range:		A CONTRACTOR OF THE CONTRACTOR
Landform (hillslope, terrace, etc.): Deproserum	Local relief (cond	ave convex	none): ( TSh (	Slope (%):
Subregion (LRR or MLRA): Lat: 34/6	43 33,68	の" Long: 7	19 10 41	1.361" Datum: WSG 08
Soil Map Unit Name: RAINS			NWI classific	0
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes	No		
Are Vegetation, Soil, or Hydrology significantly				present? Yes No
Are Vegetation, Soil, or Hydrology naturally pr			explain any answe	
SUMMARY OF FINDINGS – Attach site map showing	g sampling po			
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:		mpled Area	Yes	No
Small Depressional	2 well	ano	w/in	Pine plantation
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)			Surface Soil	
Surface Water (A1) Aquatic Fauna (B1	3)		Sparsely Veg	getated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B1)	• •		Drainage Par	
Saturation (A3)  Water Marks (B1)  Hydrogen Sulfide (Continued Religions of the Continued Religions of			Moss Trim Li	· · · · · · · · · · · · · · · · · · ·
Water Marks (B1) Sediment Deposits (B2) Oxidized Rhizosph Presence of Reduc		Roots (C3)	Dry-Season Crayfish Burn	Water Table (C2)
Drift Deposits (B3)		(C6)		sible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface		` ′ ,	Geomorphic	
Iron Deposits (B5) Uther (Explain in F	Remarks)		Shallow Aqui	tard (D3)
Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)			FAC-Neutral	
Field Observations:		T	Sphagnum m	noss (D8) (LRR T, U)
Surface Water Present? Yes No Depth (inches	)·			
Water Table Present? Yes No Depth (inches				
Saturation Present? Yes No Depth (inches	):	Wetland H	ydrology Presen	t? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photo	ne previous inene			
garage, monthling won, donar prior	os, previous mape	olions), ii avai	iable.	
Remarks:		7-1-11/1/1/11/11		
Hydrologu	pres	ent		
Obvious depressi	onal c	nea		

### **VEGETATION (Four Strata)** – Use scientific names of plants.

W RO	HOOSS		5 . 7
Sampling	Point:	_	W

	Absolute Desired I II	Samping Point.
Tree Stratum (Plot size:)	Absolute Dominant Indicator <u>% Cover Species? Status</u>	Dominance Test worksheet:
1. Arer rubrum	Species? Status	Number of Dominant Species
··· ··· ··· ··· ··· ··· ··· ··· ··· ··	20 V PAC	That Are OBL, FACW, or FAC:(A)
2		Total Number of Dominant
3		Species Across All Strata: (B)
4		(b)
5.		Percent of Dominant Species
		That Are OBL, FACW, or FAC: (A/B)
7		Prevalence Index worksheet:
8		Total % Cover of: Multiply by:
	ZO = Total Cover	OBL species x 1 =
50% of total cover: 10	2004 State Cover	FACW species x 2 =
Sonling/Short Start as (St. )	20% of total cover:/_	FAC species x 3 =
Sapling/Shrub Stratum (Plot size:)	25	
1. Acor refreum	25 V FAC.	FACU species x 4 =
2. Cyrilla sacemillora 3. Liquid Combor Styron Styron	35 V FACW	UPL species x 5 =
3. Liquid combor Sturge of 100	10 FAC	Column Totals: (A) (B)
4		( )
		Prevalence Index = B/A =
5		Hydrophytic Vegetation Indicators:
6		1 - Rapid Test for Hydrophytic Vegetation
7.		2 - Dominance Test is >50%
8		
	70 = Total Cover	☐ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
50% of total cover: 35	20% of total assum /4/	Problematic Hydrophytic Vegetation¹ (Explain)
Herb Stratum (Plot size:)		
	26/	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Seirpus cyperinus	<del>2</del> 3 <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del>	be present, unless disturbed or problematic.
2. Carex coorji	20 1	Definitions of Four Vegetation Strata:
3. Rubrus Sirgutus	15 V FAC	
4		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
		more in diameter at breast height (DBH), regardless of height.
5		noight.
6		Sapling/Shrub – Woody plants, excluding vines, less
7		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8		Horh All horhococus (non-woods) aleate account
9		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10		
11.		Woody vine - All woody vines greater than 3.28 ft in
11		height.
12,	77	
<b>7</b> 2	60 = Total Cover	
50% of total cover: <u> </u>	20% of total cover: /	
Woody Vine Stratum (Plot size:	/ .	
1. milos rotrenditolia	15 V FAC	
2.		
3		
4		
4		
5		Hydrophytic \
~~~ ·	= Total Cover	Vegetation
50% of total cover: 1.5	_ 20% of total cover:	Present? Yes / No
Remarks: (If observed, list morphological adaptations below		
	· r	

Sampling Point: Wrohoots\_w

Profile Descr		o the depth	needed to docu	ment the i	indicator	or confirn	n the absence of ind	licators.)
Depth (inches)	Matrix Color (moist)	<del></del>	Color (maint)	ox Feature	S			
0-13	_		Color (moist)		Type	Loc <sup>2</sup>		Remarks
	104N/Z						Soloan	
13-18+	1046 3/1	100			-		5.10am	
-					*****			
<sup>1</sup> Type: C=Cor	centration, D=Deple	etion RM=R	educed Matrix M	S=Macked	Sand Gra	inc	<sup>2</sup> l coation: DI –D	and lining Manager
Hydric Soil In	dicators: (Applica	ble to all LF	RRs, unless othe	rwise note	ed.)	11115.		ore Lining, M=Matrix. oblematic Hydric Soils³:
Histosol (A			Polyvalue Be		•	RR S. T. I		•
	pedon (A2)		Thin Dark S				,,	\10) (LRR S)
Black Hist			Loamy Muck	ky Mineral	(F1) (LRR	Ó)		tic (F18) (outside MLRA 150A,B)
	Sulfide (A4)		Loamy Gley			•		odplain Soils (F19) (LRR P, S, T)
	ayers (A5)		Depleted Ma	. ,			Anomalous B	right Loamy Soils (F20)
Urganic B	odies (A6) (LRR P,	T, U)	Redox Dark		,		(MLRA 153	
Muck Pres	ky Mineral (A7) (LRI sence (A8) (LRR U)	R P, 1, U)	Depleted Da				☐ Red Parent N	
	(A9) (LRR P, T)		Redox Depre		8)			Dark Surface (TF12)
Depleted I	Below Dark Surface	(A11)	Depleted Oc		/MI DA 15	4)	Uther (Explai	n in Remarks)
	Surface (A12)	( ,	Iron-Mangan				T) <sup>3</sup> Indicators of	of hydrophytic vegetation and
Coast Pra	irie Redox (A16) (MI	LRA 150A)	Umbric Surfa	ace (F13) (	LRR P. T.	U)	•	ydrology must be present,
Sandy Mu	cky Mineral (S1) (LF	RR O, S)	Delta Ochric	(F17) (ML	RA 151)	•		turbed or problematic.
	yed Matrix (S4)		Reduced Ve			A, 150B)		
Sandy Re			Piedmont Flo					
Stripped N			Anomalous E	Bright Loan	ny Soils (F	20) (MLR	A 149A, 153C, 153D	)
	yer (if observed):	1, U)		······································				
	yer (ii observed):							
Type:								<b></b>
	es):						Hydric Soil Prese	nt? Yes <u> </u>
Remarks:								
17	8							
Plyo	tric 50:1	Dra	· +					
		1000	eu.					
*								

## wroh005s\_w



Wetland data point wroh005s\_w facing east



Wetland data point wroh005s\_w facing south

### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: SERP	Sity/County: Robeson Sampling Date: 8-28-14
Applicant/Owner:	State: NC Sampling Point: NRDHOD
Investigator(s): V2() (\sqrt{s})	State: Y Sampling Point: (NROHO)
Landform (hillslope, terrace, etc.): Flat	ocal rollof (concerve, proving and and and and and and and and and and
Subregion (LRR or MLRA):	ocal relief (concave, convex, none): Slope (%):
Soil Map Unit Name: RAINS	
Are climatic / hydrologic conditions on the site typical for this time of year	NWI classification:
Are Vegetation, Soil, or Hydrology significantly d	
Are Vegetation, Soil, or Hydrology naturally prob	
	elematic? (If needed, explain any answers in Remarks.) sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes No  Yes No	Is the Sampled Area within a Wetland? Yes No
is not located within	dicators about. The point
HYDROLOGY	
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)	Drainage Patterns (B10)  or (C1)  es along Living Roots (C3)  d Iron (C4)  n in Tilled Soils (C6)  Thanks)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Geomorphic Position (D2)  narks)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Sphagnum moss (D8) (LRR T, U)  Wetland Hydrology Present? Yes No
Hydrokyy not presect.	

## **VEGETATION** (Four Strata) – Use scientific names of plants.

WROHO	05	
ampling Point:		

VEGETATION (Four Strata) – Use scientific nar	nes of pl	lants.		Sampling Point:	
Tree Stratum (Plot size:)			t Indicator	Dominance Test worksheet:	
1. Pinus talda	260		? Status F.A.C	Number of Dominant Species That Are OBL, FACW, or FAC:	7)
2. Liquidomber styrocofluc.	20		FAC	Total Number of Dominant	'/
4				Species Across All Strata: (B	3)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:  (A	VB)
6.       7.				Prevalence Index worksheet:	
8				Total % Cover of: Multiply by:	
	40	= Total Co	ver a)	OBL species x 1 =	
50% of total cover: 20	20% of	total cover	r: <u> </u>	FACW species x 2 =	
Sapling/Shrub Stratum (Plot size:)			1	FAC species x 3 =	
1. Prous facola 2. Liquid Andron Styrac. Hea	20		FAC	FACU species x 4 =	
2. Lequid sylvan styrac. Huca	40		FAL	UPL species x 5 =	
3. Acor rulrum	20		PA/	Column Totals: (A) (I	B)
4. Magnolia organiana	5		FAW		
5				Hydrophytic Vegetation Indicators:	
6				,1 - Rapid Test for Hydrophytic Vegetation	
7				2 - Dominance Test is >50%	
8.				3 - Prevalence Index is ≤3.0¹	
	<u>85</u> .	= Total Cov	ver		
50% of total cover: <u>42ょ</u>	20% of	total cover	: 17	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
Herb Stratum (Plot size:)		,		Madiantan of hout 1 11 11 11 11 11 11	
1. Kules arguly	20		FAC	<ul> <li>Indicators of hydric soil and wetland hydrology must</li> <li>be present, unless disturbed or problematic.</li> </ul>	t
2				Definitions of Four Vegetation Strata:	
3					
4				Tree - Woody plants, excluding vines, 3 in. (7.6 cm)	or
5				more in diameter at breast height (DBH), regardless height.	of
6					
6			***************************************	Sapling/Shrub – Woody plants, excluding vines, les than 3 in. DBH and greater than 3.28 ft (1 m) tall.	s
8			***************************************		
9.				Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.	ss
10				Woody vine – All woody vines greater than 3.28 ft in	1
12.				height.	
	20 =	Total Cov	er r		
50% of total cover: / O		total cover:	11		
Woody Vine Stratum (Plot size:	25	./	~ ·		
1. Smiley rotundidolia	<u> </u>	<u> </u>	FAC		
2					
3					l
4					
5				Livedron by Air	
,	20 =	Total Cov	er 1	Hydrophytic Vegetation	
50% of total cover: $\int \mathcal{O}^{-1}$		otal cover:	(/ )	Present? Yes No	
Remarks: (If observed, list morphological adaptations below		20.00			
, 5	,				

Profile Description: (Describe to the depth needed	to document the in	ndicator	or confirm	the absence of in-	dicators.)
Depth Matrix	Redox Features				
(inches) Color (moist) % Color (moist)			Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-6 10UR 3/2 100				5. loin _	
6-18+ JOYR 4/2 (00				5. 6042	
				***************************************	
	*****				
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced	Matrix MS=Masked	Sand Gra	aine	21 ocation: PI = F	Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unl	ess otherwise note	ed.)	an 13.		roblematic Hydric Soils <sup>3</sup> :
	yvalue Below Surfac		RRSTU	_	(A9) (LRR O)
	n Dark Surface (S9)				(A10) (LRR S)
	amy Mucky Mineral (			1 1	ertic (F18) (outside MLRA 150A,B)
	amy Gleyed Matrix (F		·		oodplain Soils (F19) (LRR P, S, T)
	pleted Matrix (F3)			Anomalous	Bright Loamy Soils (F20)
	dox Dark Surface (F	,		(MLRA 15	•
[]	pleted Dark Surface				Material (TF2)
	dox Depressions (F8	3)			w Dark Surface (TF12)
1 <del></del>	rl (F10) <b>(LRR U)</b> pleted Ochric (F11) (	(BEL DA 45	:4\	Uther (Expla	ain in Remarks)
	n-Manganese Masse			T) <sup>3</sup> Indicators	of hydrophytic vegetation and
	bric Surface (F13) (				nydrology must be present,
	lta Ochric (F17) (ML		, -,		sturbed or problematic.
Sandy Gleyed Matrix (S4)	duced Vertic (F18) (I		0A, 150B)		
	dmont Floodplain So	oils (F19)	(MLRA 149	9A)	
Stripped Matrix (S6)	omalous Bright Loan	ny Soils (F	720) <b>(MLR</b>	A 149A, 153C, 153[	D)
Dark Surface (S7) (LRR P, S, T, U)	~				
Restrictive Layer (if observed):					
Type:					<b>√</b>
Depth (inches):				Hydric Soil Pres	ent? Yes No X
Remarks:					
11 1 cost 1					
Hydric soil not resent.					

## wroh005\_u



Upland data point wroh005\_u facing east



Upland data point wroh005\_u facing south

### wroh005 soils



Wetland/upland soils

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Atlantic Coast Pipeline		City/C	ounty: Robeson County	/	Sampling Date: 1/18/2016
Applicant/Owner: Dominion					Sampling Point: wroe001e_w
Investigator(s): CG, AS		Section	on, Township, Range: N		
Landform (hillslope, terrace, etc.): de					
Subregion (LRR or MLRA): P		_ Lat:			
Soil Map Unit Name: Rains sandy loa				NWI classific	
Are climatic / hydrologic conditions on					
Are Vegetation, Soil,	or Hydrology	_ significantly distur	bed? Are "Norma	al Circumstances"	present? Yes No
Are Vegetation, Soil,	or Hydrology	_ naturally problema	atic? (If needed,	explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS -	Attach site ma	p showing sam	pling point location	ons, transects	s, important features, etc.
Hydrophytic Vegetation Present?	Yes	No. 🗸			
Hydric Soil Present?	Yes		Is the Sampled Area	4	,
Wetland Hydrology Present?			within a Wetland?	Yes	No
Remarks:					
HYDROLOGY					
Wetland Hydrology Indicators:				<u> </u>	ators (minimum of two required)
Primary Indicators (minimum of one	-			Surface Soil	, ,
✓ Surface Water (A1)		itic Fauna (B13)			getated Concave Surface (B8)
High Water Table (A2)		Deposits (B15) (LRF		Drainage Pa	
Saturation (A3)		ogen Sulfide Odor (C		Moss Trim L	
Water Marks (B1)		ence of Reduced Iro	long Living Roots (C3)	-	Water Table (C2)
Sediment Deposits (B2) Drift Deposits (B3)		ent Iron Reduction in		Crayfish Bur	riows (C6) /isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Muck Surface (C7)	Tilled Solls (CO)	<u>✓</u> Geomorphic	
Iron Deposits (B5)		r (Explain in Remark	:s)	Shallow Aqu	
Inundation Visible on Aerial Ima		(— ф	/	✓ FAC-Neutra	
Water-Stained Leaves (B9)	0 , ( )			· · · · · · · · · · · · · · · · · · ·	moss (D8) <b>(LRR T, U)</b>
Field Observations:					
Surface Water Present? Yes	<u> ✓</u> No I	Depth (inches): 2			
Water Table Present? Yes	No 🔽 I	Depth (inches):			
	No I	Depth (inches): $\frac{0}{}$	Wetland	Hydrology Prese	nt? Yes 🗸 No
(includes capillary fringe)  Describe Recorded Data (stream ga	uge monitoring we	ell aerial photos pre	vious inspections) if av	ailable <sup>.</sup>	
2 300 1000 2 4.4 (0 64 34	age, memering ne	, aonai priotos, pro	mode mopeodache), man	u	
Remarks:					

20	Absolute	Dominant	Indicator	Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Number of Dominant Species	
1				That Are OBL, FACW, or FAC:	(A)
2					
3.				Total Number of Dominant Species Across All Strata:  1	(B)
				Species Across Ali Strata.	(D)
4				Percent of Dominant Species	
5				That Are OBL, FACW, or FAC:0	(A/B)
6					
7				Prevalence Index worksheet:	
8.			,	Total % Cover of: Multiply by:	_
0	0			OBL species10 x 1 =10	
0		= Total Cove		FACW species $0 \times 2 = 0$	
50% of total cover:0	20% o	f total cover:		0	_
Sapling/Shrub Stratum (Plot size:)				FAC species	_
1.				FACU species x 4 =	_
				UPL species0 x 5 =0	_
2				Column Totals:10(A)10	(B)
3				(1)	_ (_)
4				Prevalence Index = B/A =1	
5				Hydrophytic Vegetation Indicators:	_
				, , , ,	
6				1 - Rapid Test for Hydrophytic Vegetation	
7				2 - Dominance Test is >50%	
8				✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>	
	0	= Total Cove	er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain	n)
50% of total cover:0	20% o	f total cover:	0	robiomato rijaroprijato vogotation (Explai	,
F				4	
Herb Stratum (Plot size:)  1 Zea mays	100	Voc		Indicators of hydric soil and wetland hydrology r	nust
**		Yes		be present, unless disturbed or problematic.	
2. Potamogeton nodosus	10	<u>No</u>	OBL	Definitions of Four Vegetation Strata:	
3				Tree Woody plants evaluding vince 2 in (7.6	om) or
4				Tree – Woody plants, excluding vines, 3 in. (7.6 more in diameter at breast height (DBH), regardl	ciii) Oi
				height.	C33 01
5					
6				Sapling/Shrub – Woody plants, excluding vines	
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall	•
8				Herb – All herbaceous (non-woody) plants, rega	rdlooo
9.				of size, and woody plants less than 3.28 ft tall.	uless
		-		or orze, and woody planto loop than orze it tall.	
10		<del></del>		Woody vine – All woody vines greater than 3.28	ft in
11				height.	
12					
	110	= Total Cove	er		
50% of total cover: 55		f total cover:	00		
-	20 /0 0	i total cover.			
Woody Vine Stratum (Plot size: 30 )					
1					
2					
3					
4		<del></del>			
5				Hydrophytic	
	0	= Total Cove	er	Vegetation	
50% of total cover:	20% o	f total cover:	0	Present? Yes No	
Remarks: (If observed, list morphological adaptations below					
Remarks. (II observed, list morphological adaptations below	w).				

SOIL Sampling Point: wroe001e\_w

Depth	cription: (Describe t Matrix	aopair		x Feature		<b></b>	35561106	
(inches)	Color (moist)	%	Color (moist)	% realure	Type <sup>1</sup>	Loc²	Texture	Remarks
0-16	10 YR 2/1	100	<u> </u>		, p u		LS	mucky mineral
				-				
-								
					. ,			
-								
<sup>1</sup> Type: C=C	Concentration, D=Depl	etion, RM=Re	duced Matrix, MS	S=Masked	d Sand Gr	ains.	<sup>2</sup> Location:	PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless other	rwise not	ed.)		Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histoso	l (A1)		Polyvalue Be	low Surfa	ce (S8) <b>(L</b>	.RR S, T, U	) 1 cm N	Muck (A9) (LRR O)
	pipedon (A2)	•	Thin Dark Su					Muck (A10) (LRR S)
	listic (A3)	•	Loamy Muck					ed Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)	•	Loamy Gleye			-,		ont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)	•	Depleted Ma		/			alous Bright Loamy Soils (F20)
	Bodies (A6) (LRR P,	T. U)	Redox Dark		-6)			RA 153B)
-	ucky Mineral (A7) <b>(LR</b>		Depleted Da	•	,			arent Material (TF2)
	resence (A8) (LRR U)		Redox Depre					Shallow Dark Surface (TF12)
	uck (A9) (LRR P, T)	•	Marl (F10) <b>(L</b>		<b>-</b> ,			(Explain in Remarks)
	ed Below Dark Surface	(A11)	Depleted Oc		(MLRA 1	51)	00.	(Explain in remaine)
	ark Surface (A12)	. ( ,	Iron-Mangan	, ,	•	•	T) <sup>3</sup> Indic	cators of hydrophytic vegetation and
	Prairie Redox (A16) (N	II RA 150A)	Umbric Surfa					tland hydrology must be present,
	Mucky Mineral (S1) <b>(L</b>		Delta Ochric			, •,		ess disturbed or problematic.
	Gleyed Matrix (S4)		Reduced Ver			ίοΔ 150R)	ann	cos distarbed or problematic.
	Redox (S5)	•	Piedmont Flo				9Δ)	
-	d Matrix (S6)	•	Anomalous E					: 153D)
	urface (S7) <b>(LRR P, S</b>	T U)	/ Womalous E	origine Loui	iny cons (	1 20) (IIII	1 1407, 1000	, 1002)
	Layer (if observed):	, 1, 0)					I	
Type:			_					J
Depth (ir	nches):		_				Hydric Soil	Present? Yes No
Remarks:								
r								



Photo 1
Wetland data point wroe001e\_w facing west



Photo 2
Wetland data point wroe001e\_w facing north

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Atlantic Coast Pipeline	City/County: F	Robeson County	Sampling Date: 1/18/2016		
Applicant/Owner: Dominion		State: NC	Sampling Point: wroe001_u		
• •	Section, Town				
	Local relief (co				
Subregion (LRR or MLRA): P					
Soil Map Unit Name: Rains sandy loam		Long NWI clas			
•					
Are climatic / hydrologic conditions on the site ty					
Are Vegetation, Soil, or Hydrolog					
Are Vegetation, Soil, or Hydrolog	gy naturally problematic?	(If needed, explain any ar	nswers in Remarks.)		
SUMMARY OF FINDINGS - Attach	site map showing sampling	point locations, transe	ects, important features, etc.		
Lludrophytic Venetation Procest?	No. V				
	✓ No	Sampled Area			
	No within	a Wetland? Yes _	No		
Remarks:					
upland data point taken in a corn field. active a	g field, vegetation significantly disturb	ed.			
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Ir	ndicators (minimum of two required)		
Primary Indicators (minimum of one is required	d: check all that apply)		Soil Cracks (B6)		
	Aquatic Fauna (B13)		Vegetated Concave Surface (B8)		
	Marl Deposits (B15) (LRR U)		Drainage Patterns (B10) Moss Trim Lines (B16)		
	Hydrogen Sulfide Odor (C1)				
	Oxidized Rhizospheres along Livi		son Water Table (C2)		
· ·	Presence of Reduced Iron (C4)		Crayfish Burrows (C8)		
Drift Deposits (B3)	Recent Iron Reduction in Tilled S	oils (C6) Saturatio	on Visible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	Thin Muck Surface (C7)	Geomor	phic Position (D2)		
Iron Deposits (B5)	Other (Explain in Remarks)	Shallow	Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)		✓ FAC-Ne	utral Test (D5)		
Water-Stained Leaves (B9)		Sphagni	um moss (D8) <b>(LRR T, U)</b>		
Field Observations:					
Surface Water Present? Yes No	Depth (inches):				
Water Table Present? Yes No	Depth (inches):				
	Depth (inches):	Wetland Hydrology Pre	esent? Yes No 🗸		
(includes capillary fringe)  Describe Recorded Data (stream gauge, moni	toring well aerial photos, previous ins	spections) if available:			
No hydrology present.	g, ac.ia. p.ic.cc, p.c.icac iii.	ppositorio), il avallation			
Remarks:					

20	Absolute	Dominant	Indicator	Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Number of Dominant Species	
1				That Are OBL, FACW, or FAC:0	(A)
2					
3.				Total Number of Dominant Species Across All Strata:  1	(B)
				Species Across Air Strata.	(D)
4				Percent of Dominant Species	
5				That Are OBL, FACW, or FAC:0	(A/B)
6					
7				Prevalence Index worksheet:	
8.				Total % Cover of: Multiply by:	_
0	0			OBL species0 x 1 =0	
0		= Total Cov		FACW species $\frac{5}{}$ x 2 = $\frac{10}{}$	
50% of total cover:0	20% of	total cover:		0 0	_
Sapling/Shrub Stratum (Plot size: 15 )				FAC species x 3 = 0	_
1				FACU species x 4 =	_
				UPL species0 x 5 =0	_
2				Column Totals:5 (A)10	(B)
3				( , , ,	_ (-)
4				Prevalence Index = B/A = 2	
5				Hydrophytic Vegetation Indicators:	_
6					
				1 - Rapid Test for Hydrophytic Vegetation	
7				2 - Dominance Test is >50%	
8				✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>	
	0	= Total Cov	er	Problematic Hydrophytic Vegetation <sup>1</sup> (Expla	in)
50% of total cover:0	20% of	total cover:	0	<u> </u>	,
Herb Stratum (Plot size:5 )				1	
1 Zea mays	100	Yes		Indicators of hydric soil and wetland hydrology	nust
"		$\overline{}$		be present, unless disturbed or problematic.	
2. Sesbania herbacea	5	No	FACW	Definitions of Four Vegetation Strata:	
3				Tree – Woody plants, excluding vines, 3 in. (7.6	cm) or
4				more in diameter at breast height (DBH), regard	ess of
5.				height.	
6				Sapling/Shrub – Woody plants, excluding vines	
7				than 3 in. DBH and greater than 3.28 ft (1 m) tal	
8				<b>Herb</b> – All herbaceous (non-woody) plants, rega	rdless
9				of size, and woody plants less than 3.28 ft tall.	idicaa
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
10				<b>Woody vine</b> – All woody vines greater than 3.28	ft in
11				height.	
12					
	105	= Total Cov	er		
50% of total cover: 52.5		total cover:			
1					
2					
3					
4.					
5				Hydrophytic	
	0	= Total Cov		Vegetation Present? Yes No	
50% of total cover:0	20% of	total cover:	0	rieseiit! iesiio	
Remarks: (If observed, list morphological adaptations below	v).				
· · · · ( · · · · · · · · · · · · · · ·	,				

SOIL Sampling Point: wroe001\_u

Profile Des	cription: (Describe	to the dept	h needed to docu	ment the i	ndicator	or confirm	the absence	e of indicators.)
Depth	Matrix			ox Features		. 2	<b>-</b> .	
(inches) 0-4	Color (moist) 10 YR 2/1	<u>%</u> 100	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture LS	Remarks mucky mineral
								mucky mineral
4-16	10 YR 2/1	90	10 YR 4/2	10	D	M	LS	
	-				-			
	-							
	-							
<sup>1</sup> Type: C=C	concentration, D=Dep	letion RM=	Reduced Matrix M	S=Masked	Sand Gr	ains	<sup>2</sup> l ocation:	: PL=Pore Lining, M=Matrix.
	Indicators: (Applic							s for Problematic Hydric Soils <sup>3</sup> :
Histoso	I (A1)		Polyvalue Be	elow Surfa	ce (S8) <b>(L</b>	.RR S. T. U	) 1 cm	Muck (A9) (LRR O)
	pipedon (A2)		Thin Dark S					Muck (A10) (LRR S)
	istic (A3)		Loamy Muck					ced Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley	ed Matrix (	F2)			nont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma					alous Bright Loamy Soils (F20)
_	Bodies (A6) (LRR P		Redox Dark					.RA 153B)
	ucky Mineral (A7) <b>(Li</b>		Depleted Da					Parent Material (TF2)
	resence (A8) <b>(LRR U</b> uck (A9) <b>(LRR P, T)</b>	')	Redox Depri		8)		-	Shallow Dark Surface (TF12) (Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted Oc		(MLRA 1	51)	Other	(Explain in Nemarks)
-	ark Surface (A12)	· ( · · · · )	Iron-Mangar	, ,	•	•	T) <sup>3</sup> Indi	cators of hydrophytic vegetation and
	Prairie Redox (A16) (I	MLRA 150A	_					etland hydrology must be present,
Sandy I	Mucky Mineral (S1) (I	LRR O, S)	Delta Ochric	(F17) <b>(ML</b>	RA 151)		un	less disturbed or problematic.
	Gleyed Matrix (S4)		Reduced Ve					
-	Redox (S5)		Piedmont Fl					
	d Matrix (S6)		Anomalous I	Bright Loar	my Soils (	F20) <b>(MLR</b>	A 149A, 1530	C, 153D)
	urface (S7) (LRR P, S						T	
	Layer (if observed):							
Type:			<u></u>					
	iches):						Hydric Soi	I Present? Yes No No
Remarks:								



Photo 1 Upland data point wroe001\_u facing east



Photo 2
Upland data point wroe001\_u facing north

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region Sampling Date: Project/Site: SERP \_\_\_\_\_City/County: Roberson Applicant/Owner: Dominion State: N C Sampling Point: WROHO Investigator(s): \_\_\_\_ \_\_\_\_\_ Section, Township, Range: Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): \_\_\_\_\_ Slope (%): Lat: 34043 26.238 Long: 79 11 28, 922 Datum: WS 084 Subregion (LRR or MLRA): Soil Map Unit Name: \_\_\_\_\_ NWI classification:  $\mathbb{P} \le$ 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. Hydrophytic Vegetation Present? No Is the Sampled Area Hydric Soil Present? ∠ No within a Wetland? Wetland Hydrology Present? Yes No Remarks: **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) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Hydrogen Sulfide Odor (C1) Saturation (A3) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) ☐ Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T. U) Field Observations: Surface Water Present? Depth (inches): Water Table Present? Saturation Present? No  $ilde{ imes}$ \_\_\_ Depth (inches): \_\_\_\_\_ Wetland Hydrology Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Hydrology present



### VEGETATION (Four Strata) – Use scientific names of plants.

VEGETATION (Four Strata) – Use scientific na	mes of pla	ants.		Sampling Point:
	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species?	Status	Number of Dominant Species
1.	·			That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3.	***************************************			Species Across All Strata: (B)
4				
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6				That Are OBL, FACW, or FAC: (A/B)
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
O				OBL species x 1 =
500/ (/ )				FACW species x 2 =
50% of total cover:	20% of	total cover	•	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: )	20	. ^	1 O	FACU species x 4 =
1. Cypilla racem Hora	44	$\longrightarrow$	FACU	UPL species x 5 =
2. Magnolia virginiana	4		<u>FAGN</u>	1
3. Persea bortonia	12	<u> </u>	FACW.	Column Totals: (A) (B)
4. Clothon apritoha	1>	<u> </u>	FACW	Prevalence Index = B/A =
5. Acer rubrum	15		FAC	Hydrophytic Vegetation Indicators:
6. Morella contera	15		FAC	1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.0¹
	<u>[00]</u>	= Total Co	/er	l <del></del>
50% of total cover: <u></u>	20% of	total cover	- 20	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Herb Stratum (Plot size:)	2070 01	total cover		
1. Rubus coneitalias	20		FACU	Indicators of hydric soil and wetland hydrology must
2. Carex Glaucoscens				be present, unless disturbed or problematic.
	4		FROW	Definitions of Four Vegetation Strata:
			FACW	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Cupatonum Vedeolepis			HARW	more in diameter at breast height (DBH), regardless of
5				height.
6				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8			***************************************	Herb – All herbaceous (non-woody) plants, regardless
9			-	of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12				Ĭ
	(a) =	Total Cov	/er	
50% of total cover:		total cover	, a	
Woody Vine Stratum (Plot size:		1	• +	
1. Smilex totunal John	10	1/	PAC	
2		Soft	- 1 5 7 7	
2.				
3				
4.				
5.	25 00			Hydrophytic
	discourse	Total Cov	1 1	Vegetation Present? Yes No
50% of total cover:		total cover	:	Present? resNo
Remarks: (If observed, list morphological adaptations belo	w).			
	***************************************			

Sampling Point: \_\_\_\_\_

Frome Dest	(=====================================	needed to document the indicator or confirm	
Depth	Matrix	Redox Features	
(inches)	Color (moist) %	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
4-4-	10462/1		See Joan
9-15	101/C3/2		Sandyloon
15-20	+)DYR 3/1		Sandy loan
***	<del></del>		
¹Type: C=C	oncentration D=Depletion RM=F	Reduced Matrix, MS=Masked Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applicable to all L	RRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
☐ Histosol		Polyvalue Below Surface (S8) (LRR S, T, U	
† <del>'Lunu</del>	pipedon (A2)	Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
Black Hi		Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
	n Sulfide (A4)	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
	l Layers (A5)	Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
	Bodies (A6) (LRR P, T, U)	Redox Dark Surface (F6)	(MLRA 153B)
	icky Mineral (A7) (LRR P, T, U)	Depleted Dark Surface (F7)	Red Parent Material (TF2)
	esence (A8) (LRR U) ick (A9) (LRR P, T)	Redox Depressions (F8)	☐ Very Shallow Dark Surface (TF12)
	d Below Dark Surface (A11)	Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151)	Uther (Explain in Remarks)
	ark Surface (A12)	Iron-Manganese Masses (F12) (LRR O, P,	T) <sup>3</sup> Indicators of hydrophytic vegetation and
1	rairie Redox (A16) (MLRA 150A)		wetland hydrology must be present,
A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	lucky Mineral (S1) (LRR O, S)	Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
	Bleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 150A, 150B)	·
	tedox (S5)	Piedmont Floodplain Soils (F19) (MLRA 149	
	Matrix (S6)	Anomalous Bright Loamy Soils (F20) (MLRA	A 149A, 153C, 153D)
∐ Dark Su	rface (S7) (LRR P, S, T, U)		
	aver (if cheeried):		T
Restrictive	_ayer (if observed):		
Restrictive			×
Restrictive I Type: Depth (in	Layer (if observed):		Hydric Soil Present? Yes No
Restrictive			Hydric Soil Present? Yes No
Restrictive I Type: Depth (in			^
Restrictive I Type: Depth (in			^
Restrictive I Type: Depth (in		- Hydric soil	^
Restrictive I Type: Depth (in		- Hydric soil	^
Restrictive I Type: Depth (in		- Hydric soil	^
Restrictive I Type: Depth (in		- Hydric soil	^
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Restrictive I Type: Depth (in		Hydric soil	^
Restrictive I Type: Depth (in		- Hydric soil	^
Restrictive I Type: Depth (in		- Hydric soil	^
Restrictive I Type: Depth (in			^
Restrictive I Type: Depth (in			present
Restrictive I Type: Depth (in			present
Restrictive I Type: Depth (in			present
Restrictive I Type: Depth (in			present
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Restrictive I Type: Depth (in			present

## wroh004s\_w



Wetland data point wroh004s\_w facing east



Wetland data point wroh004s\_w facing south

### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: SERP		City/0	County: Rabe 3800	~	Sampling Date: $8-27-14$
Applicant/Owner: Down		•		State: VC	Sampling Point: WROHOO
Investigator(s):	JEST .	Secti	on, Township, Range:		oumpling Forte.
Landform (hillslope, terrace, e					Class (0/) (5)
		240 4 7	Teller (Coricave, Corivex,	70°(/ <sup>(</sup> 2 × /	Slope (%):
Subregion (LRR or MLRA):		Lat; <u>&gt; 1                                  </u>	Long: _		
Soil Map Unit Name:	· · · · · · · · · · · · · · · · · · ·			NWI classific	
Are climatic / hydrologic cond					
Are Vegetation, Soil _	, or Hydrology	significantly distu	rbed? Are "Norma	Il Circumstances" p	resent? Yes X No
Are Vegetation, Soil _	, or Hydrology	naturally problem	atic? (If needed,	explain any answe	rs in Remarks.)
SUMMARY OF FINDIN	GS – Attach site	map showing san	npling point location	ons, transects	, important features, etc.
Hydrophytic Vegetation Pres	sent? Yes 🔀	No			
Hydric Soil Present?		No	Is the Sampled Area		/
Wetland Hydrology Present?	? Yes		within a Wetland?	Yes	No
Remarks:	t all three	paramet	ers met.		
HYDROLOGY					
Wetland Hydrology Indicat	tors:			Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum	n of one is required; che	ck all that apply)		☐ Surface Soil	
Surface Water (A1)	□ A	quatic Fauna (B13)			etated Concave Surface (B8)
High Water Table (A2)	Цм	larl Deposits (B15) <b>(LR</b>	R U)	Drainage Pat	terns (B10)
Saturation (A3)	片	ydrogen Sulfide Odor (	C1)	Moss Trim Li	nes (B16)
☐ Water Marks (B1)		xidized Rhizospheres a	along Living Roots (C3)	Dry-Season \	Water Table (C2)
Sediment Deposits (B2)	H P	resence of Reduced Iro	on (C4)	Crayfish Burr	ows (C8)
Drift Deposits (B3)	· · · · · · · · · · · · · · · · · · ·	ecent Iron Reduction in	Tilled Soils (C6)	Saturation Vi	sible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		hin Muck Surface (C7)		Geomorphic	· · ·
Iron Deposits (B5) Inundation Visible on Ae		ther (Explain in Remarl	ks)	Shallow Aqui	` '
Water-Stained Leaves (				FAC-Neutral	
Field Observations:				Spriagrium m	oss (D8) (LRR T, U)
Surface Water Present?	Yes No	> Denth (inches):			
Water Table Present?	Yes No	Depth (inches):			
Saturation Present?		Depth (inches):	Wetland I	Hydrology Presen	t? Yes No
(includes capillary fringe)	/				
Describe Recorded Data (str	ream gauge, monitoring	well, aerial photos, pre	evious inspections), if ava	allable:	
Remarks:	No hyd	hilogy p	resent		
I					



### **VEGETATION** (Four Strata) – Use scientific names of plants.

Troo Stratum (Diet sing.		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species?	<u>Status</u>	Number of Dominant Species
			***************************************	That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3	***************************************			Species Across All Strata: (B)
5. h				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: (A/B)
7.		***************************************		Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
0				OBL species x 1 =
FOO/ of total course		= Total Cov		FACW species x 2 =
50% of total cover: Sapling/Shrub Stratum (Plot size:)	20% of	total cover	:	FAC species x 3 =
1. Acer Welvum	20	1	FAC	FACU species x 4 =
2. Morella contera	<u> </u>		TRIC.	UPL species x 5 =
3. Persea borbonia		$\rightarrow$	Encur	Column Totals: (A) (B)
4. Duerry overes	20	<del>-</del> <del>-</del>	FAC	
5. Clethra ola tolia	20	$\overrightarrow{\cup}$	FAW	Prevalence Index = B/A =
6	Married .		10-114	Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
<u> </u>	7/77	= Total Cov	.0.5	3 - Prevalence Index is ≤3.0¹
50% of total cover: _5	20% of	total cover		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Herb Stratum (Plot size:)	20 /6 01	total cover		
1. Hrundinaria ingrantea	20		FACW	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Rubus cuneitales	20		FACU	Definitions of Four Vegetation Strata:
3.	and Sand			
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5				more in diameter at breast height (DBH), regardless of height.
6				
7.	***************************************			Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8			<del></del>	
9				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10				
11				Woody vine - All woody vines greater than 3.28 ft in
12				height.
	58	 = Total Cov		
50% of total cover:	age mind	total cover:	1.3-7	
Woody Vine Stratum (Plot size:)	20% OI	total cover		
1. Smilan radualleda	15	( )	POP	
2 Vitis enteralitable	15	$\overline{}$	1707	
3.	<del></del>		4	
4.				
5.				
	<u> 277</u>	Total Cov		Hydrophytic Vegetation
50% of total cover:	and the second	total cover:	/ 1	Present? Yes No
Remarks: (If observed, list morphological adaptations below		.J.G. COVEL		
( Land Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the	/-			

SOIL

WROHOOH - U

. Tomo Boodinption. (Beseribe to the depti	needed to document the indicator or confirm	n the absence of indicators.)
Depth <u>Matrix</u>	Redox Features	
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
0-5 <u>107K3/2</u>		Smalylopm
5-14 104R 4/2		Signal James
14-20 IDVR 5/2		71 7
		Sand John
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=F	Reduced Matrix MS=Masked Sand Grains	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all L	RRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
☐ Histosol (A1)	Polyvalue Below Surface (S8) (LRR S, T, L	r
Histic Epipedon (A2)	Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
Black Histic (A3)	Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)	Depleted Matrix (F3)	L Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark Surface (F6)	(MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U)	Depleted Dark Surface (F7)	Red Parent Material (TF2)
1 cm Muck (A9) (LRR P, T)	Redox Depressions (F8) Marl (F10) (LRR U)	Very Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Depleted Ochric (F11) (MLRA 151)	U Other (Explain in Remarks)
Thick Dark Surface (A12)	Iron-Manganese Masses (F12) (LRR O, P,	T) <sup>3</sup> Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A)		wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 150A, 150B)	
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 14	
Stripped Matrix (S6)	Anomalous Bright Loamy Soils (F20) (MLR	RA 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):		
Type:		
Depth (inches):		Hudde Sall Broad and S. Van No.
Remarks:		Hydric Soil Present? Yes No
remarks.	,	Λ.
	No hydric soil	
	No hydriz sou	y present
	0	

## wroh004\_u



Upland data point wroh004\_u facing east



Upland data point wroh004\_u facing south

### wroh004 soils



Wetland/upland soils

### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Seph City/County: Riveson Sampling Date: 8-27-14
Applicant/Owner: Dominion State: NC Sampling Point: WROHOO
Investigator(s): Section, Township, Range:
Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Long (slope (%):
Subregion (LRR or MLRA): Lat: 34043 24,679 Long: 790/136,1900 Datum: WS60
Soil Map Unit Name: NWI classification: PSS
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? Hydric Soil Present? Wetland Hydrology Present? Remarks:  No Is the Sampled Area within a Wetland?  Ves No
HYDROLOGY
Wetland Hydrology Indicators:  Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Soil Cracks (B6)  Sparsely Vegetated Concave Surface (B8)  Drainage Patterns (B10)  Moss Trim Lines (B16)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Sphagnum moss (D8) (LRR T, U)
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, previous inspections), if available:
Remarks:

#### VEGETATION (Four Strata) - Use scientific names of plants.

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover Species? Status	- 1
1		Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
		(1)
		Total Number of Dominant
3		Species Across All Strata: (B)
4.		Percent of Dominant Species
5		That Are OBL, FACW, or FAC:
6		
7.		Prevalence Index worksheet:
		Total % Cover of: Multiply by:
		OBL species x 1 =
	= Total Cover	FACW species x 2 =
	20% of total cover:	!
Sapling/Shrub Stratum (Plot size:)		FAC species x 3 =
1. Hear rubrum	10 / FAC	FACU species x 4 =
2. Magnolia creamiana.	20 / FACW	UPL species x 5 =
3 Craila race multora.	70 -/	Column Totals: (A) (B)
4. Morella cerifera	13 FAC	
		Prevalence Index = B/A =
5. Duer Cus higra	IS FAC.	Hydrophytic Vegetation Indicators:
6. Persea Gorbania		1 - Rapid Test for Hydrophytic Vegetation
7.		2 - Dominance Test is >50%
8		3 - Prevalence Index is ≤3.0¹
	Total Cover	
50% of total cover:	20% of total cover: ZO	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Herb Stratum (Plot size: ) / /.	20 % of total cover	
1. Kubus hasaada (unetolius	30 / FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	20 0 100	be present, unless disturbed or problematic.
2. Parex a leucoscens,	5 / 1	Definitions of Four Vegetation Strata:
3. Arundehana grapontea	20 V FAW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Cupatorum Copasso	_5 FA	more in diameter at breast height (DBH), regardless of
5. Toucolepsis		height.
6.		
		Sapling/Shrub - Woody plants, excluding vines, less
7		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8		Herb - All herbaceous (non-woody) plants, regardless
9		of size, and woody plants less than 3.28 ft tall.
10.		Manda di sina All sunado sina a manta de an 2 00 ft in
11		Woody vine – All woody vines greater than 3.28 ft in height.
12		, noight
121	700 - Tatal Carra	
7A	Total Cover	
50% of total cover: <u>30</u>	20% of total cover: _/	
Woody Vine Stratum (Plot size;)	16	
1. Smilax rotendibolia	10 U FAC	
2		
3		
4		
5.		
0.		Hydrophytic
<	Total Cover	Vegetation   Present?   Yes   No
50% of total cover:	20% of total cover:	165
Remarks: (If observed, list morphological adaptations belo	w).	, , , , , , , , , , , , , , , , , , ,
1		

SOIL

WROHOO3S-W

Depth Matrix	epin needed to document the	ndicator or confirm	the absence of in	dicators.)
	Redox Feature			
(inches) Color (moist) %	Color (moist) %	Type <sup>1</sup> Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-6 104R3/1				
6-12 (04R3/2)	_			
12-18 104R 3/1				
		***************************************		
	***************************************			
<sup>1</sup> Type: C=Concentration, D=Depletion, R	M=Reduced Matrix MS=Masked	Sand Grains	2l ocation: Pl =	Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to				roblematic Hydric Soils <sup>3</sup> :
☐ Histosol (A1)	Polyvalue Below Surfa	•		A9) (LRR O)
Histic Epipedon (A2)	Thin Dark Surface (S9			A10) (LRR S)
Black Histic (A3)	Loamy Mucky Mineral	(F1) (LRR O)		rtic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (	F2)	Piedmont FI	oodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)	Depleted Matrix (F3)			Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U)  5 cm Mucky Mineral (A7) (LRR P, T,	Redox Dark Surface (F	,	(MLRA 15	
Muck Presence (A8) (LRR U)	U) Depleted Dark Surface Redox Depressions (F	· /		Material (TF2) v Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Marl (F10) (LRR U)	0)		in in Remarks)
Depleted Below Dark Surface (A11)	Depleted Ochric (F11)	(MLRA 151)	Other (Expire	in in Nemarks,
Thick Dark Surface (A12)	, Iron-Manganese Mass		Γ) <sup>3</sup> Indicators	of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 18	(F13) Umbric Surface (F13)	(LRR P, T, U)		ydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, \$	· 📻		unless di	sturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Vertic (F18)	· · · · ·		
Sandy Redox (S5) Stripped Matrix (S6)	Piedmont Floodplain S		•	
Dark Surface (S7) (LRR P, S, T, U)	Anomalous Bright Load	my Soils (F20) (MLRA	A 149A, 153C, 153I	<b>)</b>
Restrictive Layer (if observed):	······································			
Туре:				$\checkmark$
Depth (inches):			Hydric Soil Pres	ent? Yes No
I				
Remarks:				
Remarks:				
Remarks:	, 1			
Remarks:				A
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	500	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sco-O	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	
Remarks:	Hydre	Sol	prese	

## wroh003s\_w



Wetland data point wroh003s\_w facing east



Wetland data point wroh003s\_w facing south

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region City/County: RABO Som Project/Site: Sampling Point: WROHOC Applicant/Owner: minim Investigator(s): Section, Township, Range: Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Subregion (LRR or MLRA) Soil Map Unit Name: NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.) \_\_\_\_, 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. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks **HYDROLOGY** Wetland Hydrology Indicators Secondary Indicators (minimum of two required) Perhary Indicators (minimum of one is required, check all that apply) Surface Soil Cracks (B6) Sufface Vvaler (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3): Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (84) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Depth (inches) Water Table Present? Depth (inches) Saturation Present? Wetland Hydrology Present? No Depth (inches) (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available Remarks No hydrology

#### VEGETATION (Four Strata) – Use scientific names of plants

WNOHE	003
Sampling Point:	0

Tree Stratum (Plot size)		Dominant Species?		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)
5				Percent of Dominant Species	
6				That Are OBL, FACW, or FAC	(A/B)
				Prevalence Index worksheet:	
8.			<del></del>	Total % Cover of:	
		= Total Cov		i	x 1 =
50% of total cover:	20% of	total cover:		FACW species FAC species	
Sapling/Shrub Stratum (Plot size )				FACU species	x 3 =
				1	× 5 =
1)7				Column Totals	
					1
5				Prevalence Index = B/A	
6	***************************************			Hydrophytic Vegetation Indic	
7.				1 - Rapid Test for Hydroph	, ,
8				2 - Dominance Test is >50	
		= Total Cov	er	3 - Prevalence Index is ≤3.	
50% of total cover:				Problematic Hydrophytic V	egetation (Explain)
Herb Stratum (Plot size				Indicators of hydrin soil and w	attended by ideals are mount
Panicum aciculare	50		FACU	<sup>1</sup> Indicators of hydric soil and we be present, unless disturbed or	problematic.
2 Arundinaria Giornetta	5		FACW	Definitions of Four Vegetatio	
3 Rulus Baspela coquetus	15		FACE	Tree – Woody plants, excluding	2 uines 2 in /7 6 am) ar
2 Cunertolius				more in diameter at breast heigheight	
6				, and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	
i.				Sapling/Shrub – Woody plants than 3 in, DBH and greater than	
9				Herb – All herbaceous (non-wo of size, and woody plants less	
10	-	***************************************		Woody vine - All woody vines	greater than 3.28 ft in
11				height	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
	70	Total Cov	er .		
50% of total cover $3.5$		total cover:	14		
Woody Vine Stratum (Plot size)	207001	10141 00701			
1					
2					
3					
4					
<i>k</i> <sub>1</sub>		\$100 MAN \$50000 MANAGE (\$10000 A		Hydrophytic	,
		= Total Cove	er	Vegetation	
50% of total cover	20% of	total cover	ATTENDED ATTENDED AND ADDRESS	Present? Yes	_ No
Remarks (If observed list morphological adaptations belo	w).				

$\sim$	$\sim$	

Sampling Point \_\_\_\_

Profile Description: (Describe to the depth	needed to document the indicator or confirm	the absence of indicators.)
		,
cinches, Color (moist) %	Redox Features Color (moist) % Type Loc	Texture Remarks
0-8 104R3/Z		
		Sondyloxin
8-12 104R412		Smay lown
10 10+1210 1110		SCL
1 - 10 10 11 11		
the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second 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PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART O	MANUTO PROMISS STATE CONTROL STATE AND A STATE AND A STATE OF THE STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A 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STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A STATE AND A
1		
***************************************		
Liype 1. Concentration, DeDepletion, RM=R	educed Matrix MS=Masked Sand Grains	Location, PL=Pore Lining M=Matrix
Hydric Soil Indicators: (Applicable to all LF		Indicators for Problematic Hydric Soils3:
☐ Historial (A1)	Polyvalue Below Surface (S8) (LRR S, T. U)	
Histic Epipedon (A2)	Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
Black Histic (A3)	Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Predmont Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)	Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P. T. U)	Redox Dark Surface (F6)	(MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P. T. U)	Depleted Dark Surface (F7)	Red Parent Material (TF2)
Mr. K. Fresence, A8r/LRR U)	Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
Total Mark - ARt (LRR P. T)	Mart (F-10) (LRR U)	Other (Explain in Remarks)
with a Bolow Cark Surface (A11)	Depleted Ochric (F11) (MLRA 151)	Other (CA) the rection (3)
+ [ ] Thick Dark Surface (A12)	Iron-Manganese Masses (F12) (LRR O, P. T	Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A)	Umbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present.
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 150A, 150B)	armose dictarbod or problematic.
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 149	9A)
Stripped Matrix (S6)	Anomalous Bright Loamy Soils (F20) (MLRA	· · ·
Dark Surface (S7) (LRR P, S, T, U)		, , , , , , , , , , , , , , , , , , , ,
Restrictive Layer (if observed):		
Туре		. ^
	novament of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	Hydric Soil Present? Yes No
Depth (inches)		Hydric Soil Present? Yes No
Remarks		
	101	
	A h. Da	
	1 -0 Maric Sa	sos present
	$\mathcal{L}$	
•		
		· · · · · · · · · · · · · · · · · · ·
The second		

## wroh003\_u



Upland data point wroh003\_u facing east



Upland data point wroh003\_u facing south

### wroh003 soils



Wetland/upland soils

WETLAND DETERMINATION DATA FOR	RM – Atlantic and Gulf Coastal Plain Region
	County: Robeson Sampling Date:
Applicant/Owner: Dominion	State Sampling Date: Sampling Point: Sampling Point: Sampling Point: Sampling Point: Sampling Point: Sampling Point: Sampling Date: Sampling
Investigator(s): DDQSSV Sect	ion Township Rengel
Landform (hillslope, terrace, etc.):	Il relief (concave, convex, none): CON CASUR Slope (%): 0 - 2
Subregion (LRR or MLRA): Lat: 34°43	
Soil Map Unit Name: Lumbee	
	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Are Vegetation, Soil, or Hydrology significantly distu	. /
Are Vegetation, Soil, or Hydrology naturally problem	•
	, , , , , , , , , , , , , , , , , , , ,
SUMMARY OF FINDINGS Attach site map showing sar	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes  No  No  No	is the Sampled Area within a Wetland?  Yes No
Remarks:  All three pairame	ters present
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)  Surface Soil Cracks (B6)
Surface Water (A1)  Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (LR	RR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (	
Water Marks (B1)  Oxidized Rhizospheres	
Sediment Deposits (B2)  Presence of Reduced Inc.	
Drift Deposits (B3)  Recent Iron Reduction in	page /
Algal Mat or Crust (B4)  Thin Muck Surface (C7)  Iron Deposits (B5)  Other (Explain in Remor	
Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Other (Explain in Remar	````
Water-Stained Leaves (B9)	FAC-Neutral Test (D5)
Field Observations:	Sphagnum moss (D8) (LRR T, U)
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, pr	evious inspections), if available:
Remarks:	
	Indoors December
(130	Inlogy present
	·

			James Land	£	
(1)	RO	HC	8	************	W

VEGETATION (Four Strata) - Use scientific names of plants.

A A A				Sampling	g Point:	
Tree Stratum (Plot size: 30	Absolute	Dominant	Indicator	Dominance Test worksheet:		
1. Liquid protor Sturner thea	<u>% Cover</u> 3≤	Species?	Status PAC	Number of Dominant Species That Are OBL, FACW, or FAC:	13	/A)
2. Her rulinger 3. Papes tarde	35	$\overline{\mathcal{A}}$	Fix	Total Number of Dominant	1.7	(A)
4.	24_		FAL	Species Across All Strata:		(B)
У.				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)
6		*************************	Barriero del construente per de la casa de	Prevalence Index worksheet:		<del></del>
8		***************************************		Total % Cover of:N	Multiply by:	
	100	= Total Cov	/er	OBL species x 1 =		
50% of total covery		total cover		FACW species x 2 =		_
Sapling/Shrub Stratum (Plot size:	arme 1			FAC species x 3 =		_
1. Heernufrum	15		FAC	FACU species x 4 =		
2. Magnolya Virgen, and	10		FILCW	UPL species x 5 =		
3. INCOSER DOTHERUE.	1		FACW	Column Totals: (A)		_ (B)
4. 1/10/19/14 CONTRA	15		· FAZ	Prevalence Index = B/A =		
5. Querus negra	5	1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams   1000 Williams	FAC	Hydrophytic Vegetation Indicator		-
6		P-41-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-		1 - Rapid Test for Hydrophytic		
	-			2 - Dominance Test is >50%	vegetation	
8				3 - Prevalence Index is ≤3.0 <sup>1</sup>		
*7	<u> 70 </u>	= Total Cov	er i	Indiana.	1	,
Herb Stratum (Plot size: 50% of total cover: 55	20% of	total cover	: 14	Problematic Hydrophytic Veget	ation' (Explai	n)
1. Agundenana granten	26		FACW	<sup>1</sup> Indicators of hydric soil and wetland	d hydrology m	nust
2. Chasmanthund Paxiem	R		FACIN	be present, unless disturbed or prot		
3. Thus radicions	元	<del></del>	FAC	Definitions of Four Vegetation Str	rata:	
4. Woodewarden cereolate	方		177	Tree - Woody plants, excluding vine	es, 3 in. (7.6 d	m) or
5	<u> </u>	<del></del>	1) 6/6	more in diameter at breast height (Dieght.	DBH), regardle	ess of
6		***************************************	***************************************			
( ,				Sapling/Shrub - Woody plants, excition 3 in. DBH and greater than 3.2	cluding vines, 8 ft (1 m) tall.	less
C,				Herb – All herbaceous (non-woody)	plants, regar	dless
9,				of size, and woody plants less than		
	-	***************************************	***************************************	Woody vine – All woody vines grea height.	iter than 3.28	ft in
12.			***	-		
		= Total Cov				
50% of total cover: 35	20% of	total cover:	44			
Woody Vine Stratum (Plot size:	10		5-10			
2 The standing			11/1/			
2. Plus out of the	_5		EAL			
3. Anus ravicans	<u> </u>		<u>FAC</u>			
4,		******************************				
0,				Hydrophytic 1		
	<u> 20</u> :	= Total Cov	er )	Vegetation   /		
50% of total cover:	20% of	total cover:		Present? Yes	40	
Remarks: (If observed, list morphological adaptations below	w).	-				

-	otto.	٠	

	n needed to document the indicator or confirm	the absence of indicators )
Matrix	h needed to document the indicator or confirm Redox Features	the absence of indicators.)
2	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	<u>Texture</u> Remarks
		Sunglann
6-12 104R5/2		SCL
12-18-1044511		
the definition of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	
Type: C=Concentration, D=Depletion, RM=	Reduced Matrix MC-Ma-Land	
Hydric Soil Indicators: (Applicable to all I	RRs. unless otherwise noted )	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
HISTOSOI (A1)	Polyvalue Below Surface (S8) (LRR S, T, U	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histic Epipedon (A2)	Thin Dark Surface (S9) (LRR S, T, U)	
Black Histic (A3)	Loamy Mucky Mineral (F1) (LRR 0)	2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4) Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Organic Bodies (A6) (LRR P, T, U)	Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
5 cm Mucky Mineral (A7) (LRR P, T, U)	Redox Dark Surface (F6)	(MLRA 153B)
Muck Presence (A8) (LRR U)	Depleted Dark Surface (F7) Redox Depressions (F8)	Red Parent Material (TF2)
1 cm Muck (A9) (LRR P, T)	Marl (F10) (LRR U)	Very Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Depleted Ochric (F11) (MLRA 151)	Other (Explain in Remarks)
Thick Dark Surface (A12)	Iron Management	r) <sup>3</sup> Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A)	Umbric Surface (F13) (LRR P. T. U)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4)	Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Redox (S5)	Reduced Vertic (F18) (MLRA 150A, 150B)	
Stripped Matrix (S6)	Piedmont Floodplain Soils (F19) (MLRA 148) Anomalous Bright Loamy Soils (F20) (MLRA	(A)
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
Dark Surface (S7) (LRR P, S, T, U)	, , , , , , , , , , , , , , , , , , ,	149A, 153C, 153D)
Restrictive Layer (if observed):	, , , , , , , , , , , , , , , , , , , ,	143A, 163C, 163D)
Restrictive Layer (if observed):  Type:		6 /
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Restrictive Layer (if observed):  Type:		
Restrictive Layer (if observed):  Type:  Depth (inches):		Hydric Soil Present? Yes No
Restrictive Layer (if observed):  Type:  Depth (inches):		Hydric Soil Present? Yes No
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Restrictive Layer (if observed):  Type:  Depth (inches):		Hydric Soil Present? Yes No

# wroh022f\_w



Wetland data point wroh022f\_w facing east



Wetland data point wroh022f\_w facing south

WETLAND DETERMINATION DATA	FORM - Atlantic and Gulf Coastal Plain Region 9-22-14
	City/County: Roberton Sampling Date: Sampling Point! SROBO.
Applicant/Owner: Dominion	State: NC Sampling Point ROHO
Investigator(s):	Section Township Day
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):
Subregion (LRR or MLRA): Lat: 340	Local relief (concave, convex, none):  Slope (%): 26  43 04.319 Long: 79 12 13 55 ( Datum: W65
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of ye	Par? Yes No. (If no. explain in Pomerke)
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pro	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes  No  Yes  No  No  No  No  No  No  No  No  No  N	Is the Sampled Area within a Wetland? YesNo
	,
Noa	tall three parameters
pr	esend
HYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1)  Aquatic Fauna (B1)	
High Water Table (A2)  High Water Table (A2)  High Water Table (A2)	
Saturation (A3) Hydrogen Sulfide	
Water Marks (B1) Oxidized Rhizosph	neres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)  Presence of Redu	ced Iron (C4) Crayfish Burrows (C8)
	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Other (Explain in F	
Water-Stained Leaves (B9)	FAC-Neutral Test (D5)
Fleid Observations:	Sphagnum moss (D8) (LRR T, U)
Surface Water Present? Yes No Depth (inches	s):
7	5):
Saturation Present? Yes No Depth (inches	S): Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photon	
	ios, previous inspections), ii available.
Remarks:	
No hy	drology present
	Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Common of the Co

VEGETATION (Four Strata) - Use scientific names of plants.

WROHOZZ - V

			Sampling Point:
Tree Stratum (Plot size: 30 1)	Absolute Domina	int Indicator	Dominance Test worksheet:
A Programme of the state of the	% Çover Specie	s? Status	Number of Dominant Species (2)
1. Fines tooola	-10 V	1 PAC	1 mm 1 1 nm 1 m 1 m 1 m 1 m 1 m 1 m 1 m
2. Ligin Dombon Stimmer flire	30 17	T TWO	I nat Are OBL, FACW, or FAC: (A)
3	· ————————————————————————————————————		Total Number of Dominant
V:	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		
4.			Species Across All Strata: (B)
5	***************************************	THE RESIDENCE OF THE PROPERTY AND ADDRESS OF THE PERSONS	Percent of Dominant Species
5.	* *************************************		1 77/ 1 4 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6		•	I hat Are OBL, FACW, or FAC: (A/B)
7.	**************************************	70000000000000000000000000000000000000	Prevalence Index worksheet:
7.	-		
8			Total % Cover of: Multiply by:
	7/1	*****	OBL species x1 =
~7 ~~	= Total C	over 111	
50% of total cover: 35	20% of total cov	/er://	FACW species x 2 =
Sapling/Shrub Stratum (Plot size:			FAC species x 3 =
1. Ggirl sombon Styracithia	20	1 mar	FACU species x 4 =
2. Premes serstinion	· <u> </u>	<u>L LEAC</u>	
2. Transas seranara		_ FACU	UPL species x 5 =
3. Ganstasda	30 1/	EAC	Column Totals:(A)(B)
14. CHURTUA NAME	12		
5 Alor William	-18-	<u> FAC</u>	Prevalence Index = B/A =
5. Alex rection	10	VFAC	Hydrophytic Vegetation Indicators:
6.			lancard.
7	***************************************		1 - Rapid Test for Hydrophytic Vegetation
7			2 - Dominance Test is >50%
8.			3 - Prevalence Index is ≤3.0 <sup>1</sup>
	<u>80</u> = Total C	Over	timer
50% of total cover:	Ocare	1/	Problematic Hydrophytic Vegetation¹ (Explain)
Herb Stratum (Plot size: 10 cht.)	Z 20% of total cov	/er:	
Proto oración (Florsize. 10 dl)			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Lespedeza cuneata	15 V	FACU	be present, unless disturbed or problematic.
2. Commelina erecta	7	FACU	d
3. Cassia nictitans	·	***************************************	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
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4. Digitoria Stragginalis	. 5 'V	Z FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5. Jacoxacum softenias Va	R . 7	FACU	height.
		_ 1.100	noight.
6			Sapling/Shrub - Woody plants, excluding vines, less
( ,			than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.			
Q	* *************************************		Herb – All herbaceous (non-woody) plants, regardless
9			of size, and woody plants less than 3.28 ft tall.
10.			
11.		*****	Woody vine - All woody vines greater than 3.28 ft in
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12.	1977 Annual Control		height.
12.	35 = Total C	Cover	height.
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12.	35 = Total C	Cover	height.
50% of total cover: 7	35 = Total C	Cover	height.
50% of total cover: 7.  Woody Vine Stratum (Plot size: 30 + 1)  1. Supplies resembly folice	35 = Total C	Cover	height.
50% of total cover: 7	35 = Total C	Cover	height.
50% of total cover: 7.  Woody Vine Stratum (Plot size: 30 + 1)  1. Supplies resembly folice	35 = Total C	Cover	height.
50% of total cover: 7.  Woody Vine Stratum (Plot size: 30 + 1)  1. Supplies resembly folice	35 = Total C	Cover	height.
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50% of total cover: 17.  Woody Vine Stratum (Plot size: 30 + 1)  1. Smelox rotund folice 2. Semi um sempor viron 3.	35 = Total C	Cover	height.
50% of total cover: 17.  Woody Vine Stratum (Plot size: 30 + 1)  1. Super rotemal folice 2. Colsenium semper VIron 3. 4.	35 = Total ( 20% of total cov	Cover	Hydrophytic
50% of total cover: 17.  Woody Vine Stratum (Plot size: 30 mm)  1. Smelor robundl fillic  2. Semi um sempor Viren  3. 4. 5.	35 = Total Co 20% of total cov	Cover	height.
50% of total cover: 7.  Woody Vine Stratum (Plot size: 30 + 1)  1. Superior returned failing 2. Conservation Seminary Viren 3. 4. 5.	35 = Total (co) 20% of total co) 5 = Total (co) 20% of total co)	Cover	Hydrophytic Vegetation
50% of total cover: 17.  Woody Vine Stratum (Plot size: 30 mm)  1. Smelor robundl fillic  2. Semi um sempor Viren  3. 4. 5.	35 = Total (co) 20% of total co) 5 = Total (co) 20% of total co)	Cover	Hydrophytic Vegetation
50% of total cover: 7.  Woody Vine Stratum (Plot size: 30 + 4.)  2. Conserved Fallica  3. 4. 5. 50% of total cover: 5	35 = Total (co) 20% of total co) 5 = Total (co) 20% of total co)	Cover	Hydrophytic Vegetation
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		Profil

WROHO2Z\_\_\_\_\_\_\_Sampling Point:\_\_\_\_\_\_\_

Profile Des	cription: (Describe to the dep	th needed to docu	ment the indica	ator or confirm	the absence of in	dicatore )
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Hydric Soil	oncentration, D=Depletion, RM:	≅Reduced Matrix, M	S=Masked San	d Grains.	<sup>2</sup> Location: PL=	Pore Lining, M=Matrix.
. Histoso	majoriora: (whhiteante to sit	LKKS, unless othe	rwise noted.)		Indicators for F	Problematic Hydric Solis <sup>3</sup> :
	pipedon (A2)	Polyvalue B	elow Surface (S	8) (LRR S, T, U)		(A9) (LRR O)
Black H	istic (A3)	Thin Dark S	urface (S9) (LRI	₹ S. T. U)		(A10) (LRR S)
Hydroge	en Sulfide (A4)	Loamy Mucl	(y Mineral (F1)	LRR O)	Reduced Ve	ertic (F18) (outside MLRA 150A.B)
. Stratifie	d Layers (A5)	Depleted Ma	ed Matrix (F2)		Piedmont F	loodplain Soils (F19) (LRR P, S, T)
. Organic	Bodies (A6) (LRR P, T, U)	Redoy Dark	Surface (F6)		Anomalous	Bright Loamy Soils (F20)
5 cm Mi	ucky Mineral (A7) (LRR P, T, U)	Depleted Da	rk Surface (F7)		(MLRA 18	Material (TF2)
Muck Pi	resence (A8) (LRR U)	Redox Depri	essions (F8)		Very Shallo	w Dark Surface (TF12)
Denlete	uck (A9) (LRR P, T) d Below Dark Surface (A11)	Marl (F10) (I	_RR U)		Other (Expl	ain in Remarks)
Thick D	ark Surface (A12)	Depleted Oc	hric (F11) (NLF	KA 151)		
Coast P	rairie Redox (A16) (WLRA 150)	Iron-Mangar	iese Masses (F	12) (LRR O, P, 1		of hydrophytic vegetation and
	Mucky Mineral (S1) (LRR O. S)	2 to make	ace (F13) (LRR (F17) (MLRA 1	P, T, U)	wetland !	hydrology must be present,
	Bleyed Matrix (S4)	Reduced Ve	rtic (F18) (MLR)	01) A 160A 180D)	unless di	isturbed or problematic.
Sandy F	Redox (S5)	Piedmont Flo	podplain Soils (F	-100%, 1003) -19) (WLRA 149	)Δ)	
	Matrix (S6)	Anomalous (	Bright Loamy So	oils (F20) (IVILRA	A 149A, 153C, 153	Ď١
Restrictive	rface (S7) (LRR P, S, T, U) Layer (if observed):				, , , , , , , , , , , , , , , , , , , ,	-,
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Remarks:						ellumentaria procupy elegible manarita a
						-
		H-1	0	$\alpha$	A	
		1//	mata	5, (/ 4	rom co	- La La
			r wea	ICCX V	1010 00	V2 (MAC) 10 M
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		100	nye	ALC 3	>0~ \ \	resers
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# wroh022\_u



Upland data point wroh022\_u facing east



Upland data point wroh022\_u facing south

### wroh022 soils



Wetland/upland soils

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: SERP	City/County: Robeson Sampling Date: 8-27-10
Applicant/Owner: Dominion	State: NC Sampling Point: WROHOC
Investigator(s): DWEST	
	Section, Township, Range:
Landform (hillslope, terrace, etc.): 50 Hone hand	Local relief (concave, convex, none): Long Slope (%):
	343'21.202"Long: 99/7'32,486" Datum: WS60
Soil Map Unit Name: Carologo Lum See	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:	Is the Sampled Area within a Wetland? Yes No
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) Aquatic Fauna (B	13) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B1	5) (LRR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide	
1	heres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Redu	- ,
	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface Iron Deposits (B5) Other (Explain in I	
Inundation Visible on Aerial Imagery (B7)	Remarks) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	opragram more (50) (21 at 1) of
Surface Water Present? Yes No Depth (inches	3):
Water Table Present? Yes No Depth (inches	
Saturation Present? Yes No Depth (inches	s):   Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photon	os, previous inspections), if available:
Remarks: Hydrology F.	resent

VEGETATION (Four Strata) - Use scientific names of plants.

WROH0029_	
Sampling Point:	v C

	Absolute	Dominant	Indicator	Dominance Test worksheet: /
Tree Stratum (Plot size:)		Species?		1
1. Hear rubrum	72	CPCOISS:	^	Number of Dominant Species
1. The fuerum	<del></del>	$\longrightarrow$	FAC	That Are OBL, FACW, or FAC:(A)
2. Overeus nigra		$\rightarrow$	FAC	Total Number of Dominant
3. Lindbalon felipilera	25		FACU	Species Across All Strata: (B)
4.				(b)
r	***************************************			Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				
7				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
8				OBL species x 1 =
		= Total Cov		1
50% of total cover: <u>37</u> ,	5 20% of	total cover	. 15	FACW species x 2 =
		total cover		FAC species x 3 =
Sapling/Shrub Stratum (Plot size:)	15	. /	C11 -1	/ FACU species x 4 =
1. Ctethra guitola	15		PACH	}
2. Hear rulerian	20	$\mathcal{O}_{i}$	FAC	UPL species x 5 =
3. Magnolia Virgeniana	20	1/	FACW	Column Totals: (A) (B)
J. Jagarana	100	$\overline{\mathcal{I}}$		· · · · · · · · · · · · · · · · · · ·
4. L'Gustrum sinense	12		FAC	Prevalence Index = B/A =
5				
6				Hydrophytic Vegetation Indicators:
				/1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	4			3 - Prevalence Index is ≤3.0¹
	70	= Total Cov	/er	<del></del>
50% of total cover: $35$		- 10ta100t	14	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	20% of	total cover	:	
Herb Stratum (Plot size:)	)	1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Rhus Indicans	5		FAC	be present, unless disturbed or problematic.
2 10 000 1001		$\overline{}$	FAC	
2. Acor pulvum	<del></del>	$\overline{}$		Definitions of Four Vegetation Strata:
3. Liquistrum sinense	10		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. <u>J</u>				more in diameter at breast height (DBH), regardless of
				height.
5				, to grill
6				Sapling/Shrub - Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10.				Monday vine All woody vines greater than 2.20 ft in
11.				Woody vine – All woody vines greater than 3.28 ft in height.
12		·····		neight.
12.				
	10	= Total Cov	/er	
50% of total cover:	20% of	total cover	. 7	
Woody Vine Stratum (Plot size:)			· —	
	フヘ	1//	Enr	
1. Zmilax potendibolica	<u> 20</u>		1/12	
2. Khus Malicans	$\omega$	$\checkmark$	FAC	
3				
		<del></del>		
4.	-			
5				Hydrophytic \ /
	30	= Total Cov	/er	Vegetation
500/ -64 4-4			Z' I	Present? Yes No
50% of total cover:		total cover	:	<del>,</del>
Remarks: (If observed, list morphological adaptations belo	w).			

SOIL

WROHOD ZF-W

Donth	p (2000) 150 ti	aop	needed to docur	nent me i	nuicator	or commi	the absence of indicat	ors.)	
Depth	Matrix			x Feature					
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		Remarks	
0-8	104R2/1						& Com		
18-15	104R4/1	/	DYR 4/6	5		m	SCL		
		<i>+</i>	DI 1/2						
				-					
				-				······	
								····	
¹Type: C=C	oncentration, D=Deple	etion, RM=R	leduced Matrix, MS	S=Masked	Sand Gra	ains.	<sup>2</sup> Location: PL=Pore	Lining, M=Matrix.	
Hydric Soil	Indicators: (Applica	ble to all LF	RRs, unless other	wise not	ed.)		Indicators for Proble	ematic Hydric Soils <sup>3</sup> :	
Histosol	I (A1)		Polyvalue Be	low Surfa	ce (S8) <b>(L</b>	RR S, T, U	) 1 cm Muck (A9)	(LRR O)	
	pipedon (A2)		Thin Dark Su				2 cm Muck (A10)	(LRR S)	
(	istic (A3)		Loamy Muck			0)		F18) (outside MLRA 1	
	en Sulfide (A4)		Loamy Gleye		F2)		Piedmont Floodp	lain Soils (F19) (LRR P	, S, T)
	d Layers (A5)		Depleted Ma					nt Loamy Soils (F20)	
	Bodies (A6) (LRR P,		Redox Dark				(MLRA 153B)		
	ucky Mineral (A7) (LRI	K P, 1, U)	Depleted Dar				Red Parent Mate	, ,	
1	resence (A8) (LRR U) uck (A9) (LRR P, T)		Redox Depre		8)			rk Surface (TF12)	
	d Below Dark Surface	(Δ11)	Marl (F10) (L Depleted Ocl		/R#I ED A 4 E	:4\	Other (Explain in	Remarks)	
	ark Surface (A12)	(////	Iron-Mangan				T) <sup>3</sup> Indicators of by	/drophytic vegetation ar	
	rairie Redox (A16) <b>(M</b> i	LRA 150A)	Umbric Surfa	csc (F13) /	IPPPT	-KK O, F, 11\		ology must be present,	u
	Mucky Mineral (S1) (LF		Delta Ochric	(F17) (ML	RA 151)	Ο,	-	ed or problematic.	
	Gleyed Matrix (S4)	, -,	Reduced Ver			0A. 150B)	unicos distalb	ed of problematic.	
	Redox (S5)		Piedmont Flo				9A)		
Stripped	d Matrix (S6)						A 149A, 153C, 153D)		
Dark Su	rface (S7) (LRR P, S,	T, U)							
Restrictive	Layer (if observed):								
Type:									
	·····								
Depth (in	ches):						Hydric Soil Present?	Yes X No	
Depth (in Remarks:	ches):						Hydric Soil Present?	Yes X No	
	ches):			,			Hydric Soil Present?	Yes X No _	
	ches):						Hydric Soil Present?	Yes X No _	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No _	
	ches):	A					Hydric Soil Present?	Yes X No _	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No_	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	
	ches):						Hydric Soil Present?	Yes X No	

# wroh002f\_w



Wetland data point wroh002f\_w facing east



Wetland data point wroh002f\_w facing south

WEILAND DEIERMINATIO	ON DATA FORM - A	lantic and Gulf (	Coastal Pla	in Region
Project/Site SERP	City/County:	Rubeson		Sampling Date:
Applicant/Owner Dominion		State	NC	Sampling Point WROHO
Landform (hillslope, terrace, etc.): 41115 hope	Section Tow	nship Range		
Landform (hillslope, terrace, etc.). 4115 lope	Local relief (c	oncave, convex, none	e): none	Slope (%): 1
Subregion (LRR or MLRA).	Lat: 340 43 21.	163" Long: 79"	12'32	991 Datum.
Subregion (LRR or MLRA).  Soil Map Unit Name.  Reactings No.	rfolk	-	NWI classifica	ation.
Are climatic / hydrologic conditions on the site typical for t	his time of year? Yes	No (If no	, explain in Re	emarks.)
Are Vegetation, Soil, or Hydrology		Are "Normal Circ	umstances" pr	resent? Yes No
Are Vegetation, or Hydrology		(If needed, expla		*
SUMMARY OF FINDINGS - Attach site maj				
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	point locations,	transects,	important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks  Yes  Yes  Yes		Sampled Area a Wetland?	Yes	
Not all the	el porax	neters p	Siese	4
HYDROLOGY	****			
Wetland Hydrology Indicators:	PPERSONNELLY, is ANNA SPACIAL advances infrarence and to managementalized a condition of a	Sec	ondary Indicat	ors (minimum of two required)
Frimary Indicators (minimum of one is required, check a	If that apply)		Surface Soil 0	
	ic Fauna (B13)		Sparsely Veg	etated Concave Surface (B8)
	Deposits (B15) (LRR U)		Drainage Patt	
	gen Sulfide Odor (C1)		Moss Trim Lir	
	ed Rhizospheres along Liv	ring Roots (C3)	•	Vater Table (C2)
	nce of Reduced Iron (C4) nt Iron Reduction in Tilled S	inite (C6)	Crayfish Burro	sible on Aerial Imagery (C9)
	Muck Surface (C7)	ionis (00)	Geomorphic F	
	(Explain in Remarks)		Shallow Aquit	
Inundation Visible on Aerial Imagery (B7)	,	百	FAC-Neutral	
Water-Stained Leaves (B9)				oss (D8) (LRR T, U)
Field Observations:				
	Pepth (inches).			
	Depth (inches)			$\checkmark$
Saturation Present? Yes No D	Pepth (inches)	Wetland Hydro	ology Present	? Yes No.
Describe Recorded Data (stream gauge, monitoring well	Laerial photos, previous in	spections) if available	3	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
Remarks		$\cap$		
No hys	hology p	resert		

#### VEGETATION (Four Strata) - Use scientific names of plants.

WROHOOZ_	
Sampling Point	$\cup$

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size)		Species?		Number of Dominant Species
1 Corya tomentosa	30		FX U	That Are OBL, FACW, or FAC: (A)
2 Carra alulura	20		FACL	
Querus mara	3	<del></del>	FAC	Total Number of Dominant
	30		FAC	Species Across All Strata (B)
: Liquidambar Sypsciffue	20		rac	Percent of Dominant Species
5				That Are OBL. FACW. or FAC (A/B)
6				
7				Prevalence Index worksheet:
8		70.007000000000000000000000000000000000		Total % Cover of Multiply by
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	100	= Total Cov		OBL species x1=
50% of total cover: 50		- Total Cov	<sup>/ei</sup> 20	FACW species x 2 =
50% of total cover: 00	20% of	f total cover	:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size)		/	Can	l l
1 Querces nygra 2 higher Styring the	20	$\sim$	THE	FACU species x 4 =
2 him kombor Stringelles	20		MAC	UPL species x 5 =
3.				Column Totals: (A) (B)
1			***************************************	
				Prevalence Index = B/A =
5.				Hydrophytic Vegetation Indicators:
6.				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				
	40	= Total Cov	·Or	3 - Prevalence Index is ≤3.0¹
E00/ of total	2004	10ta1001	/ei 🛛	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 20	20% 01	total cover	: <u> </u>	
Herb Stratum (Plot size:)				Indicators of hydric soil and wetland hydrology must
1		····		be present, unless disturbed or problematic.
2				Definitions of Four Vegetation Strata:
3				
4	***************************************			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5	<del></del>			more in diameter at breast height (DBH), regardless of height.
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				Troight.
6.				Sapling/Shrub - Woody plants, excluding vines, less
7.		-		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb - All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10.				
	-	***************************************		Woody vine – All woody vines greater than 3.28 ft in
				height.
12	***************************************			
		= Total Cov	er er	
50% of total cover:	20% of	total cover	·	
Woody Vine Stratum (Plot size:	<b>-</b>			
1) lites potent de folice	30		FAC	
2. Smiles atualifalia	70	<del></del>	CM	
			FAC	
3				
4.				
5				Hydrophytic
	(00)	= Total Cov	er	Vegetation
50% of total cover: ≤⊘		total cover	- 17 -	Present? Yes No
Remarks: (If observed, list morphological adaptations belo		.Star COVCI	·	/
remarks. (ii observed, list morphological adaptations belo	vv J.			

Sampling Point:

Profile Desc	cription: (Describe to the	depth needed to document the in-	dicator or confirm	the absence of indicators.)
Depth	Matrix	Redox Features		
(inches)	4	Color (moist) %	Type' Loc'	Texture Remarks
0-18	104R4/2			Smy lown
, —	, , , , , , , , , , , , , , , , , , , ,			
			***************************************	
***************************************		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		
Type C=C	oncentration. D=Depletion	RM=Reduced Matrix, MS=Masked S	Sand Grains	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applicable t	o all LRRs, unless otherwise noted	I.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol		Polyvalue Below Surface	•	<b></b>
<u> </u>	pipedon (A2)	Thin Dark Surface (S9) (		2 cm Muck (A10) (LRR S)
<b> </b>	stic (A3)	Loamy Mucky Mineral (F		Reduced Vertic (F18) (outside MLRA 150A,B)
===	n Sulfide (A4)	Loamy Gleyed Matrix (F:		Piedmont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)	Depleted Matrix (F3)	-)	Anomalous Bright Loamy Soils (F20)
<del></del>	Bodies (A6) (LRR P, T, U)	Total Control	)	(MLRA 153B)
	icky Mineral (A7) (LRR P.			Red Parent Material (TF2)
Muck Pr	esence (A8) (LRR U)	Redox Depressions (F8)		☐ Very Shallow Dark Surface (TF12)
1 cm Mu	ick (A9) (LRR P, T)	Marl (F10) (LRR U)		Other (Explain in Remarks)
Deplete	d Below Dark Surface (A1	Depleted Ochric (F11) (M	/ILRA 151)	
-	ark Surface (A12)	☐ Iron-Manganese Masses	(F12) (LRR O, P, T	Indicators of hydrophytic vegetation and
	raine Redox (A16) <b>(MLRA</b>	150A) Umbric Surface (F13) (L		wetland hydrology must be present.
	lucky Mineral (S1) (LRR C	, S) 🔲 Delta Ochric (F17) (MLR	A 151)	unless disturbed or problematic.
Sandy C	Sleyed Matrix (S4)	Reduced Vertic (F18) (M	LRA 150A, 150B)	
) paramet	Redox (S5)	Piedmont Floodplain Soi	ls (F19) <b>(MLRA 149</b>	A)
	Matrix (S6)	Anomalous Bright Loam	/ Soils (F20) (MLRA	149A, 153C, 153D)
** * ***** * * * **** **** **** **** ****	rface (S7) <b>(LRR P, S, T, U</b>	)		
Restrictive	Layer (if observed):			
Туре				<b>\</b>
Depth (in	ches)			Hydric Soil Present? Yes No
Remarks				THE RESERVED THE CONTRACT OF THE COMPLETE OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF T
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## wroh002\_u



Upland data point wroh002\_u facing east



Upland data point wroh002\_u facing south

### wroh002 soils



Wetland/upland soils

WEILAND DETERMINATION DATA FO	JRIM – Atlantic and Guif Coastal Plain Region
Project/Site: SCAP Cit	ty/County: Robo son Sampling Date:
Applicant/Owner: Dominion	110000
Investigator(s): DOWEST Se	ection, Township, Range:
Landform (hillslope, terrace, etc.): Depression Lo	
Subregion (LRR or MLRA): Lat: 34° 4	-13'21.637 Long: 79° 12' 37.653' Datum: W56.05
Soil Map Unit Name: Partego	
Are climatic / hydrologic conditions on the site typical for this time of year's	NWI classification:
Are Vegetation, Soil, or Hydrology significantly dis	•
•	
SUMMARY OF FINDINGS – Attach site map showing s	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?  Remarks:  Small wood Depress  Hydrophytic Vegetation Present?  Yes No No No Depress	Is the Sampled Area within a Wetland?  Yes No  which is the Sampled Area within a Wetland?  Yes No
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) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (I	
Saturation (A3) Hydrogen Sulfide Odd	ı
	es along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduced	· · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Recent Iron Reduction	
Algal Mat or Crust (B4) Thin Muck Surface (C	
Iron Deposits (B5) Other (Explain in Rem	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
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,	previous inspections), if available:
Remarks:	1971 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 2007 1 200
Hydrology p	resent
·	

#### VEGETATION (Four Strata) – Use scientific names of plants.

WROHOO(f-W Sampling Point:\_\_\_\_

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species?	Status	Number of Dominant Species
1. Acor nelening	30		FAC	That Are OBL, FACW, or FAC:(A)
2. Quaruer lauribolic	40		FACW	
3. Liquidan bar Styraciffue	20		FAC	Total Number of Dominant Species Across All Strata: (B)
J				Species Across Air Strata.
				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				
8				Total % Cover of: Multiply by:
	90	= Total Cov	er //	OBL species x 1 =
50% of total cover: 15	20% of	total cover	: 18	FACW species x 2 =
Sapling/Shrub Stratum (Plot size:)			-	FAC species x 3 =
1. Magnolia Urryniana	20		EACIU	FACU species x 4 =
2. Lax opara			4 100	UPL species x 5 =
1 // 1//	10		FACW	Column Totals: (A) (B)
	40			(5)
4. Symplocos, fryctoria			FAC	Prevalence Index = B/A =
5. Clothen phitolia	10		FACW	Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				
	70	= Total Cov		3 - Prevalence Index is ≤3.0¹
200			E/ 1	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: <u>3</u> <u>5</u>	20% of	total cover	:	
Herb Stratum (Plot size:)	70	/		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Arendenaria grandea		<del></del>	FACE	be present, unless disturbed or problematic.
2. Clothra alm Jolia	10	$\overline{}$	FACE	Definitions of Four Vegetation Strata:
3				To a Manda de la contrata del contrata de la contrata de la contrata del contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata del contrata de la contrata de la contrata de la contrata del contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata del contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata del contrata de la contrata de la contrata de la contrata del contrata del contrata del contrata de la contrata de la contrat
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5				height.
6				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12.				112.5.4.
	50	- Total Car		
7.00		= Total Cov	1.0	
50% of total cover: 2.5	20% of	total cover	: <u>10                                    </u>	
Woody Vine, Stratum (Plot size:	20	. /		
1. Vitis rotundifolia	<u>30</u>	$\underline{\hspace{1cm}}$	1-FAC	
2				
3.				
4				
· ·				
5	7			Hydrophytic ( )
f		= Total Cov	1	Vegetation Present? Yes No
50% of total cover:	20% of	total cover	<u> </u>	LIASAULL 162 NO NO
Remarks: (If observed, list morphological adaptations belo	w).			
1				<b>1</b>

#### SOIL

Sampling Point:

Depth (inches)			Redox Fea	turoc		
	Matrix Color (moist)	<del></del> _		6 Type Loc2	Texture	Remarks
)- Q	104R Z/1					(
7-16+	104R 3/1				$\sim$	loom
16	10 /1C 0/ 1				Stonly	loan
**	***************************************					
	*****					
						<del></del>
			-			
'Type: C=Co	oncentration, D=Depl	etion, RM=Re	duced Matrix, MS=Ma	sked Sand Grains.		PL=Pore Lining, M=Matrix.
			Rs, unless otherwise			for Problematic Hydric Soils <sup>3</sup> :
Histosol (	• •			Surface (S8) (LRR S, T, L		fluck (A9) (LRR O)
HISTIC Epi	ipedon (A2)			(S9) (LRR S, T, U)		Muck (A10) (LRR S)
	n Sulfide (A4)	•	Loamy Mucky Min Loamy Gleyed Ma			ed Vertic (F18) (outside MLRA 150A,B
	Layers (A5)	•	Coarry Gleyed Ma Depleted Matrix (F			ont Floodplain Soils (F19) <b>(LRR P, S, T)</b> alous Bright Loamy Soils (F20)
	Bodies (A6) (LRR P,	T, U)	Redox Dark Surfa	•		RA 153B)
	cky Mineral (A7) (LR		Depleted Dark Sur		•	arent Material (TF2)
	esence (A8) (LRR U)		Redox Depression			hallow Dark Surface (TF12)
1 cm Mud	ck (A9) (LRR P, T)		Marl (F10) (LRR U	))		(Explain in Remarks)
	Below Dark Surface	(A11)	Depleted Ochric (F			
Thick Da	rk Surface (A12)		Iron-Manganese N	lasses (F12) (LRR O, P,		ators of hydrophytic vegetation and
Coast Pra	airie Redox (A16) (M		Umbric Surface (F			land hydrology must be present,
	ucky Mineral (S1) (Li leyed Matrix (S4)		Delta Ochric (F17)			ess disturbed or problematic.
	edox (S5)	•		18) <b>(MLRA 150A, 150B)</b> ain Soils (F19) <b>(MLRA 14</b>		
	Matrix (S6)	•		Loamy Soils (F20) (MLR	•	153D)
	face (S7) (LRR P, S,	T, U)	/ wiemaiodo Drigin	Locality Colle (1 20) (INEIX	A 140A, 1000,	, 1000/
	ayer (if observed):				T	
	.ayer (ii observed):					
Type:	.ayer (ii observed):		_			
					Hydric Soil	Present? Yes No
Type: Depth (inc					Hydric Soil	Present? Yes No No
Туре:			-		Hydric Soil	Present? Yes No
Type: Depth (inc			<u>-</u> /1 0		1	Present? Yes No No
Type: Depth (inc			Lydrie	Sol PI	1	Present? Yes No No
Type: Depth (inc		(	Hydric	soo pr	1	Present? Yes No No
Type: Depth (inc			Hydric	Soo pr	1	Present? Yes No
Type: Depth (inc			Lydric	Soil Pr	1	Present? Yes No
Type: Depth (inc			Hydric	SãO PI	1	Present? Yes No No
Type: Depth (inc		(	Hydric	soo pr	1	Present? Yes No No
Type: Depth (inc		(	Hydric	sol pr	1	Present? Yes No No
Type: Depth (inc			Hydric	soo pr	1	Present? Yes No
Type: Depth (inc			Hydric	Soil pr	1	Present? Yes No
Type: Depth (inc			Aydric	Sol pr	1	Present? Yes No
Type: Depth (inc			Hydric	SãO PI	1	Present? Yes No
Type: Depth (inc			Aydric	SãO PI	1	Present? Yes No
Type: Depth (inc			Hydric	Sol PI	1	Present? Yes No
Type: Depth (inc			Hydric	Sol pr	1	Present? Yes No
Type: Depth (inc			Hydric	Soo pr	1	Present? Yes No
Type: Depth (inc			Hydric	Sol pr	1	Present? Yes No
Type: Depth (inc			Aydric	Sol pr	1	Present? Yes No
Type: Depth (inc			Aydric	SãO PI	1	Present? Yes No
Type: Depth (inc			Lydric	SãO PI	1	Present? Yes No
Type: Depth (inc			Aydric	Sol pr	1	Present? Yes No

# wroh001f\_w



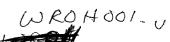
Wetland data point wroh001f\_w facing east



Wetland data point wroh001f\_w facing south

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: SERP City/County: R	Sampling Date: 8-27-1
	State: N Sampling Point: N R O H O
	Range:
Landform (hillslope, terrace, etc.): ATUS ope Ag Hold Local relief (concav	/e, convex, none): Slope (%):
Subregion (LRR or MLRA): Lat: 34 21.002	2"Long: 790/2'37.397" Datum: WS60
Soil Map Unit Name: Vands and	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes N	o (If no, explain in Remarks.)
Are Vegetation ., Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No
	If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point	
Hydrophytic Vegetation Present?  Yes No	<i>b</i> .
Hydric Soil Present? Yes No	/DA/ X
Wetland Hydrology Present? Yes No within a We	tland? Yes No No
Remarks:	
Uphond area ag field	
The order ag tield	
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) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) — Marl Deposits (B15) (LRR U)	Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (C1)	Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhizospheres along Living R	
Sediment Deposits (B2) Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (Care Land Land Land Land Land Land Land Land	
Iron Deposits (B5) Other (Explain in Remarks)	Geomorphic Position (D2) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No _iX Depth (inches):	
Water Table Present? Yes No Depth (inches):	
	Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspecti	ons), if available:
Remarks:	
Ag field	
Hy theld	



VEGETATION (Four Strata) – Use scientific na	ames of pl	ants.	Sampling Point:
Tree Stratum (Plot size:) 1		Dominant Indicator Species? Status	Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2			Total Number of Dominant Species Across All Strata: (B)
<u></u>			Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
7			Prevalence Index worksheet:
8			Total % Cover of: Multiply by:
		= Total Cover	OBL species x 1 =
50% of total cover:	20% of	total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size:)			FAC species x 3 = FACU species x 4 =
1			UPL species x 5 =
2			Column Totals: (A) (B)
4			Prevalence Index = B/A =
5			Hydrophytic Vegetation Indicators:
6.			1 - Rapid Test for Hydrophytic Vegetation
7			2 - Dominance Test is >50%
8			3 - Prevalence Index is ≤3.0¹
50% of total cover:		= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Herb Stratum (Plot size:)	20 % 01	total cover.	The distance of booking and and a state of
1. Glycine Mox	100	<u> NI</u>	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
3	* ····		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5			height.  Sapling/Shrub – Woody plants, excluding vines, less
7 8			than 3 in. DBH and greater than 3.28 ft (1 m) tall.  Herb – All herbaceous (non-woody) plants, regardless
9			of size, and woody plants less than 3.28 ft tall.
10			Woody vine – All woody vines greater than 3.28 ft in height.
12		= Total Cover total cover: 2	
Woody Vine Stratum (Plot size:)			
1 2	*		
3			
4.			
5			Hydrophytic
		= Total Cover	Vegetation
50% of total cover:		total cover:	Present? Yes No
Remarks: (If observed, list morphological adaptations below Soy beam Held.	ow).		

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W R 6 1 00 / - 80 Sampling Point: \_\_\_\_\_\_ U

Profile Description: (Describe to the depth	needed to documen	it the indicator or cor	firm the absence of	indicators.)	
Depth Matrix	Redox F		<del>y</del>	_	
(inches) Color (moist) %	Color (moist)	<u>% Type¹ Loc</u>		Remark	<u>s</u>
			_ sonly!	Oram	
6-9 loyr 4/2			_ 3ronde, li	DAM	······
<u>9-16 2.54 51.3</u>			SCLJ_		
					100
17					
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Ri Hydric Soil Indicators: (Applicable to all LR	educed Matrix, MS=N	Masked Sand Grains.	Location: PL	=Pore Lining, M=M	atrix.
Histosol (A1)				Problematic Hydr	ic Soils":
Histic Epipedon (A2)		/ Surface (S8) <b>(LRR S,</b> ce (S9) <b>(LRR S, T, U)</b>		k (A9) <b>(LRR O)</b> k (A10) <b>(LRR S)</b>	
Black Histic (A3)		ineral (F1) (LRR O)		Vertic (F18) <b>(outsi</b> d	e MLRA 150A.B)
Hydrogen Sulfide (A4)	Loamy Gleyed N			Floodplain Soils (F	
Stratified Layers (A5)	Depleted Matrix	` '		is Bright Loamy Soil	
	Redox Dark Sur		(MLRA	•	
	Depleted Dark S Redox Depression			nt Material (TF2)	·E40\
	Marl (F10) (LRR			low Dark Surface (T plain in Remarks)	F12)
Depleted Below Dark Surface (A11)		(F11) (MLRA 151)	00101 (Ex	pidiri ir remarks)	
	Iron-Manganese	Masses (F12) (LRR C	, P, T) <sup>3</sup> Indicato	rs of hydrophytic ve	getation and
Coast Prairie Redox (A16) (MLRA 150A)				d hydrology must be	-
	Delta Ochric (F1			disturbed or proble	matic.
Sandy Gleyed Matrix (54) Sandy Redox (S5)		(F18) <b>(MLRA 150A, 15</b> blain Soils (F19) <b>(MLR</b>			
		nt Loamy Soils (F20) (I		(3D)	
Dark Surface (S7) (LRR P, S, T, U)		, , , ,		,	
Restrictive Layer (if observed):				,	
Restrictive Layer (if observed):  Type:					
Restrictive Layer (if observed):  Type:  Depth (inches):			Hydric Soil Pre		No X
Restrictive Layer (if observed):  Type:					No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:			Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- h. Oan		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type:  Depth (inches):  Remarks:	- hylov		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type:  Depth (inches):  Remarks:	- hydro	2 501	Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type:  Depth (inches):  Remarks:	- hydro.		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type:  Depth (inches):  Remarks:	- hydro		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type:  Depth (inches):  Remarks:	- hylor.		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type:  Depth (inches):  Remarks:	- hydro		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- hydro		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- hydro.		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- hylov.		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- hydro		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- hydro		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- hydro.		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- hylov.		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- hydro		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	hydro		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- hydro		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- hydro		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type: Depth (inches): Remarks:	- hydro		Hydric Soil Pro		No X
Restrictive Layer (if observed):  Type:  Depth (inches):  Remarks:	- hydro		Hydric Soil Pro		No X

## wroh001\_u



Upland data point wroh001\_u facing east



Upland data point wroh001\_u facing south

### wroh001 soils



Wetland/upland soils