wroh018s_w



Wetland data point wroh018s_w facing southeast



Wetland data point wroh018s_w facing northwest

wroh018s soils



Wetland soils

WETLAND DETERMINATION DATA	FORM - Atlantic and Gulf	Coastal Plain Region
5 ·		
Applicant/Owner: Do 40 a 50		Sampling Date Wru 1018_
Investigator(s): DD Weet (CPI)	0 = 1. =	e: M Sampling Point: 4/1// 14/
Landform (hillslope, terrace, etc.): h, N sl. D.	Section, Township, Range:	
Subregion (LRR or MLRA): Lat: 34°	Local relief (concave, convex, non	e): 51000 Slope (%): 5-10
Soil Map Unit Name: John Stun	10 75 0 0 Long: 14	01 01017 Datum: 0(2) 8
Are climatic / hydrologic conditions on the site typical for this time of y	100 O March (A)	NWI classification: not napped
Are Vegetation Soil or Hydrology significant! Are Vegetation Soil or Hydrology	rear? Yes No (If no	o, explain in Remarks.)
Are Vegetation, Soil, or Hydrology naturally pr	y disturbed? Are "Normal Circ	cumstances" present? Yes L'No
		in 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? Wetland Hydrology Present?	Is the Sampled Area	
Wetland Hydrology Present? Yes No	within a Wetland?	Yes No
Remarks:		
Non-wettens condition	<i>f</i> (
CONDITION CONDITION	is observed	
HYDROLOGY		
Wetland Hydrology Indicators:	Sac	condary 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:		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B1	5) (LRR U)	Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Water Marks (B1)		Moss Trim Lines (B16)
Oxidized Knizospi	heres along Living Roots (C3)	Dry-Season Water Table (C2)
1 5 : 2 5	ced Iron (C4)	Crayfish Burrows (C8)
= Necestation Redu	ction in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface Other (Explain in F		Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	remarks)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Ä	FAC-Neutral Test (D5)
Field Observations:	basad	Sphagnum moss (D8) (LRR T, U)
Surface Water Present? Yes No Depth (inches	s):	
Water Table Present? Yes No Depth (inches	s):	
Saturation Present? Yes No 🔀 Depth (inches	s): Wetland Hydr	ology Present? YesNo
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photon)	tos previous inspections) if available	
	iou, provious inspections), it available	e .
Remarks:		
WaTland hydrology n	<u></u>	
1027 my Myon) OSY N	et observed	

	Abasista	arno.		Sampling Point: Wroth O
Tree Stratum (Plot size: 30)	0/ 0	Dominant Species?	Indicator	Dominance Test worksheet:
1. Pines tagle	7/2	Species!	FAC	Number of Dominant Species That Are OBL FACW or FAC:
2 86500 11 1000	7	<u></u>	THE .	That Are OBL, FACW, or FAC: (A)
2. Kesea but bonia			Etc	Total Number of Consistent
3				Total Number of Dominant Species Across All Strata: (B)
4				Species Across All Strata: (B)
5	***************************************		*****************	Percent of Dominant Species
6				That Are OBL, FACW, or FAC: (A/B)
6	***************************************			
7			Name and Post Control of Control	Prevalence Index worksheet:
8.	-			Total % Cover of: Multiply by:
	2.5	= Total Cov	/er	OBL species x 1 =
50% of total cover: <u>1</u> 2-5	20% 0	بمدروه اواوا	. 5	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30)	20 /0 01	total cover		FAC species x 3 =
1 Marie to L	10	V	1-1.	FACU species x 4 =
2. Acar rusium			The_	
3 [] 2			FAC	UPL species x 5 =
3. Flox glubra			ERCW	Column Totals: (A) (B)
4. Line Indra Folipfora	20_		FACU	Prevalence Index = B/A =
5. Quercus rigion	_5	//	FAC	Hydrophytic Vegetation Indicators;
6.				
		******************************		1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
	45	T 6		3 - Prevalence Index is ≤3.01
50% of total assurance 3.3 5		= Total Cov	/er	Problematic Hydrophytic Vegetation' (Explain)
50% of total cover: 22.5 Herb Stratum (Plot size. 3//)	20% 01	f total cover	: ~!	
1 (/ 2)		.	~	Indicators of hydric soil and wetland hydrology must
De Auga Ola tolia	10		THEW	be present, unless disturbed or problematic.
2 Kubus argutus	20	$\overline{}$	FAC	Definitions of Four Vegetation Strata:
2. Rubis argutus		1		
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5.		***************************************	***************************************	height.
6		-	*************	
1 7		before the common section of		Sapling/Shrub - Woody plants, excluding vines less
8.				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.
IV,				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12				
	30	= Total Cov	/GC &	
50% of total cover: 15	200/ 0		<i>L</i> _	
Woody Vine Stratum (Plot size. 30	40%0	f total cover	L	
1 COS & Red Charles	#PA	100	A CAN	
Salva				
2 Transfer Torono For	60_	<u></u>	EAC	
3. Celsenium simperviners	10	<u></u>	FAC	
4.				
5	. 6.			Market should
25	Copp	= Total Co	14	Hydrophytic Vegetation
50% of total cover:	200/ 0	f total cover	~ !	Present? Yes / No
Remarks (If observed, list morphological adaptations belo	20700	1 total cover	· 25 %	
	w).			
1,1		A		
the drophytic ves. 069	Serve	()		
		· ·		
·				

Profile Desc	cription: (Describe	to the depth	needed to docum	nent the in	dicator	or confirm	n the absence of in	dicators.)	
Depth (inches)	Matrix		Redox	Features					
7-5	Color (moist)	%	Color (moist)	%	Type'	Loc²	Texture	Remark	S
<u> </u>	101476	100		-	-		SAND_		
16-	10 X	100					SKND		
	1.5 V S/W								
					-		***		
	A Marine is the discharged and the second and the s					***************************************			
	The state of the transference and the state of the state						***************************************	·	

Type: C=C	oncentration, D=Dep	letion, RM=F	Reduced Matrix, MS	S=Masked	Sand Gr	ains	2 ocation: DI =	Pore Lining, M=M	otriv
lydric Soil	Indicators: (Applic	able to all L	RRs, unless other	wise note	d.)		Indicators for I	Problematic Hydr	ic Soils ³ :
Histosol	(A1)		Polyvalue Be			RR S, T, I	[(A9) (LRR O)	
Histor E	pipedon (A2)		Thin Dark Su	rface (S9)	(LRRS,	T, U)		(A10) (LRR S)	
	istic (A3) en Sulfide (A4)		Loamy Mucky	y Mineral (I	F1) (LRR	0)	Reduced V	ertic (F18) (outsid	le MLRA 150A,B
	d Layers (A5)		Loamy Gleye Depleted Mat	d Matrix (F	(2)			loodplain Soils (F	
] Organic	Bodies (A6) (LRR P	, T, U)	Redox Dark S		31			Bright Loamy Soi	ls (F20)
J 5 cm Mi	ucky Mineral (A7) (Li	R P, T, U)	Depleted Dar	k Surface	(F7)		(MLRA 1	งงษา l Material (TF2)	
Muck P	resence (A8) (LRR L)	Redox Depre	ssions (F8)			ow Dark Surface (1	TF12)
] 1 cm Mi	Jck (A9) (LRR P, T)	44 - 41	Marl (F10) (L					lain in Remarks)	· · · · - ,
Thick D	d Below Dark Surfac ark Surface (A12)	e (A11)	Depleted Och	nric (F11) (MLRA 1	51)			
Coast P	rairie Redox (A16) (I	VILRA 150A)	Iron-Mangane	ese Masse	s (F12) (LRR O, P		s of hydrophytic ve	
Sandy f	Mucky Mineral (S1) (I	_RR O, S)	Umbric Surfa Delta Ochric	CE (F13) (L	_KK P, I Da 4 e 4 \	, U)		hydrology must be	
Sandy (Gleyed Matrix (S4)	. ,	Reduced Ver	tic (F18) (N	VILRA 15	0A. 150B	uniess (disturbed or proble	matic.
	Redox (S5)		Piedmont Flo	odplain Sc	ils (F19)	(MLRA 1	, 49A)		
	Matrix (S6)		Anomalous B	right Loam	ny Soils (F20) (MLF	RA 149A, 153C, 153	BD)	
	rface (S7) (LRR P. (Layer (If observed)								
	ches).	· · · · · · · · · · · · · · · · · · ·							\checkmark
Remarks			Million States	enter i personi su austria i appres			Hydric Soll Pre	sent? Yes	No
	Non-hyo	Irić	Suits 0	6Se	· UPC	J			

wroh018_u



Upland data point wroh018_u facing north



Upland data point wroh018_u facing south

WETLAND DETERMINATION DATA FOR	RM – Atlantic and Gulf Coastal Plain Region
Project/Site. ACP	County: Region State: NC Sampling Date: World's family Point: 9/11/14
Applicant/Owner: Dominito	County: 106831 Sampling Date: Wrohulf
Investigator(s): D West (CPP)	State: Sampling Point: 4/11/14
Landform (hillstope, terrace, etc.): diwage Swill	ion, Township, Range:
Sect Landform (hillstope, terrace, etc.): drivings Swill Loca Subregion (LRR or MLRA): LP Lat: 340 V8 Soil Map Unit Name: Juhn STON	Trellet (concave, convex, none): (orcave Slope (%): 6-7
Soil Map Unit Name: Juhyston	Datum Datum
Are climatic / hydrologic conditions on the site typical for this time of year?	NWI classification: PFO
Are Vegetation Soil or Hydrology significantly disk	rbed? Are "Normal Circumstances" present? YesNo
Are Vegetation Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS Association and including problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sar	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X	is the Sampled Area
Hydric Soil Present? Wetland Hydrology Present? Yes X No No No	within a Wetland? Yes \(\sum_{\text{No}} \)
0	
Wallud Chardersties observed	@ 12x 00:09
HYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1) Adulatic Fauna (R12)	Surface Soil Cracks (B6)
Marl Deposits (B15) (LR	R U) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10)
Saturation (A3) Water Marks (B1) Hydrogen Sulfide Odor ((C1) Moss Trim Lines (B16)
Coding to Continue	along Living Roots (C3) Dry-Season Water Table (C2)
The Date of Mediced III	
Algal Mat or Crust (B4) Recent Iron Reduction in Thin Muck Surface (C7)	
Other (Explain in Remark	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes No. Double (inches)	
Weles Table Day 10	to2" see rule
Deptir (illcries):	
(includes capillary fringe)	Softer Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
Watland hydralogy prosen	ch: 12 alt
9 020 0	within data plat
Watland hidrology	<u> </u>
his se	
•	
	The second secon
;	
·	

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

Sampling Point: Wroholsf W

Tree Stratum (Distains)	A la a a la	Sampling Point: Wro No
Tree Stratum (Plot size: 30)	Absolute Dominant Indic % Cover Species? Sta	tue tue
1. Ilex epaca 2. Licialertes telipotera	_ 15 Y FA	That Are OBL, FACW, or FAC:
3 Alexander Olipotera	35 Y MA	CU
3 Magnoliz virginiana	_ 23 _ Y FAC	Total Number of Dominant Species Across All Strata: (B)
4. Acer robus	_S N FA	f openes Across All Strata. (B)
5		Percent of Dominant Species 4
7		That Are OBL, FACW, or FAC:
7		Prevalence Index worksheet:
8		Total % Cover of: Multiply by:
	80 - T-1110	OBL species x 1 =
50% of total cover:	10 20% of total cover: S	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30)	20% of lotal cover: 0	FAC species x 3 =
1. Dones		
2 Person Eurlique	- 25 Y FA	
3. Liciodendren Juli petersa	- 25 Y FAC	
4. Flox alabra	- 10 N FAC	
5. Lyson seperse	- 340 Y FAC	
6. Corpinis cardinina	- 10 N FAC	Hydrophytic Vegetation Indicators:
7 March Corollana	-> ~ Ete	1 - Rapid Test for Hydrophytic Venetation
7. Magnetin virgin una	20 N FACI	2 - Dominance Test is >50%
V.	•	3 - Prevalence Index is <3.0'
	1 = Total Cover	i demon
Herb Stratum (Plot size. 10 6)	20% of total cover: 2	Problematic Hydrophytic Vegetation' (Explain)
1. Saurys Cerns	I to the	Indicators of hydric soil and wetland hydrology must
2. Levelhor fortures axilari	15 MAY 08	be present, unless disturbed or problematic.
3 () Saylada Charles	15 Y FA	
3 O Smurdastrum einnamenn	L 5 N FA	
4. Woodwardie corolla	_ 10 MN FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of
" Loss widolos	30 \> FA	height.
the sing will have a regarded when the second supplied the second supplied to the second seco		
The management of the second o		than 2 in DDM and market the continue wines items
		1
		of aims and
10		Woody vine - All woody vines greater than 3.28 ft in
11	11	height.
32	<u> </u>	
50% of total	5 = Total Cover 13	
Woody Vine Stratum (Plot size.	20% of total cover:	
1 U:T) > rollind; for:		
2	- 12 - 154	
	70 X 64	
3 5 1		
3. Snilve republic	25 Y FA	
4	25 Y FA	
	25 <i>y</i> F4	
4		Hydrophytic Vecetation
45	70 = Total Cover	Vegetation
45	70 = Total Cover	Vegetation
4. 5 50% of total cover: 3 Remarks (If observed, list morphological adaptations to	20% of total cover:	Vegetation
45	20% of total cover:	Vegetation
4. 5 50% of total cover: 3 Remarks (If observed, list morphological adaptations to	20% of total cover:	Vegetation

Sampling Point: Usoho 18f - W

Profile Des	cription: (Descr	ibe to the dent	h needed to document the indicator or confirm	<u> </u>	Sampling Point: USONO 181-
	Matr	ix	Redex Cast and Red Red Red Red Red Red Red Red Red Re	the absence of indicat	ors.)
(inches)	Color (moist)%	Redox Features Color (moist) % Type Loc2	Texture	Danasila
0->	10 YR 3/	1 200		7	Remarks
5-14	10 YR 2/	1 100		NIKO	
				MUIK	
		· · · · · · · · · · · · · · · · · · ·			
	According to the first description of the section o	Production 1 to the second discountry from			A THE REPORT OF THE PARTY OF TH
			The second secon		
		to the desired of the second or the second o			
Type: C=C	Oncentration D-	Doublette DM			
Hydric Soil	Indicators: (An	Depletion, RIM=	Reduced Matrix, MS=Masked Sand Grains. -RRs, unless otherwise noted.)	² Location: PL=Pore I	_ining, M=Matrix.
Histoso	I (A1)	phoable to all t		Indicators for Proble	ematic Hydric Soils ³ :
Histo E	pipedon (A2)		Polyvalue Below Surface (S8) (LRR S, T, U		
☐ Black ⊢	listic (A3)		Thin Dark Surface (S9) (LRR S, T, U) Loamy Mucky Mineral (F1) (LRR O)	2 cm Muck (A10)	
Hydrog	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	Reduced Vertic (F	18) (outside MLRA 150A,B)
Stratifie	d Layers (A5)		Depleted Matrix (F3)	Anomalous Brigh	lain Soils (F19) (LRR P, S, T) t Loamy Soils (F20)
Urganic	Bodies (A6) (LR	R P, T, U)	Redox Dark Surface (F6)	(MLRA 153B)	(Coarry Soils (F20)
Muck P	ucky Mineral (A7) resence (A8) (LR	(LRRP, T, U)	Depleted Dark Surface (F7)	Red Parent Mater	rial (TF2)
1 cm M	uck (A9) (LRR P,	K () T)	Redox Depressions (F8)		k Surface (TF12)
Deplete	d Below Dark Sur	rface (A11)	Marl (F10) (LRR U)	Other (Explain in	Remarks)
Thick D	ark Surface (A12))	Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P,	m) 31	
Coast F	rairie Redox (A16	6) (MLRA 150A	Umbric Surface (F13) (LRR P, T, U)		drophytic vegetation and
Sandy	Mucky Mineral (S	1) (LRR O, S)	Delta Ochric (F17) (MLRA 151)	unless disturb	logy must be present. ed or problematic.
Sandy	Gleyed Matrix (S4 Redox (S5))	Reduced Vertic (F18) (MLRA 150A, 150B)		ed or problematic.
Stripped	Matrix (S6)		Piedmont Floodplain Soils (F19) (MLRA 14	9A)	
Dark Su	urface (S7) (LRR	PSTIN	Anomalous Bright Loamy Soils (F20) (MLR	A 149A, 153C, 153D)	
Restrictive	Layer (If observe	ed):		3	
Depth (in	ches).		Million Incompany		. /
Remarks				Hydric Soil Present?	Yes No No
ı					
ı					
4_	/)	,	ſ		
	YUCIT	501	DIESPIT		
	<i>γ</i> C	20, 1.	PIESM SI		
			V		
					1

wroh018f_w



Wetland data point wroh018f_w facing north



Wetland data point wroh018f_w facing south

wroh018 soils



Wetland (wroh018f)/upland soils

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region City/County: Robeson Sampling Date: 11 Sept 2014 Project/Site. Applicant/Owner: 12minion Investigator(s): DD WeSt ____ Section, Township, Range: NA Landform (hillslope, terrace, etc.): Suranp Bottom Local relief (concave, convex, none): Concave Slope (%): >2 Subregion (LRR or MLRA): J Soil Map Unit Name: John Ston NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.) Are Vegetation _____, or Hydrology _____ significantly disturbed? Are "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? Wetland Hydrology Present? within a Wetland? No Remarks: offend 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) (LRR U) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Water Marks (B1) Moss Trim Lines (B16) 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? No Depth (inches): +Z Water Table Present? No ____ Depth (inches): Suc Saturation Present? No ____ Depth (inches): Surface Wetland Hydrology Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks hydrology Present

	Absolute	Dominan	Indicator	Daminona Tarta dala dala dala dala dala dala dala da
Tree Stratum (Plot size: 30	9/ ()		Status	Dominance Test worksheet:
1. Liriodendron tulipitora	5	Y	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:
2	>			MALARE OBE, FACTO, OF FAC: (A)
3		-		Total Number of Dominant
4.				Species Across All Strata: (B)
4				Percent of Dominant Species
V				That Are OBL, FACW, or FAC:
				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	2	= Total Co		OBL species x 1 =
50% of total cover: 2.5		· · · ·	vei	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 3()	20% 01	total cove	r:	
1. Ilex glaba	40	V		
2. Lindenton tupp. Fer 6	70	_[,	FACW	FACU species x 4 =
3 Acos subs	20	<u> </u>	FACU	UPL species x 5 =
3. Acer rubium	<u> 20</u>	4,	FAC_	Column Totals: (A) (B)
4. Morpha cerifera	10	<u>N</u>	EAC_	Prevalence Index = B/A =
56.		-		Hydrophytic Vegetation Indicators:
			1	[mm]
				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
	90	= Total Co	Ver	3 - Prevalence Index is ≤3.01
50% of total cover: 45	20% 0	Hotol cove	18	Problematic Hydrophytic Vegetation¹ (Explain)
Herb Stratum (Plot size. 30 130)	207001	i total cove	·	
1. Tucha laticala	~1)	NA.	m ·	Indicators of hydric soil and wetland hydrology must
2. Junius effusos	<u> </u>		CBL	be present, unless disturbed or problematic.
3 Constants	<u> </u>		FACW	Definitions of Four Vegetation Strata:
4 Milyania Can David	Za -	- OPET	F0.4	Tree - Woody plants excluding vines 3 in (7.6 cm) or
4 Mikania Scandous	10	- OFF	FACW	
4 Mikania Scandous	70_	•	-	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
4 Mikania Scandous 5.	10		-	height.
4 Mikania Scandous 5. 6			- montons - Manor Balai - sa - sa	
4 Mikania Scandous 5. 6 7. 8.				height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
4 Mikania Scandous 5. 6 7 8. 9.				height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. Herb All herbaceous (non-woody) plants, regardless
4 Mikania Scandous 5. 6 7 8. 9.				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.
4 Mikania Scandous 5. 6 7. 8. 9.				height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. 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
4 Mikania Scandous 5. 6 7 8. 9.				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.
4. Mikania Scandous 5. 6 7 8. 9. 10. 11				height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. 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
4. Mikania Scandous 5. 6 7. 8. 9. 10. 11 12	<u>10</u>	= Total Co	ver	height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. 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
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 27.5 50% of total cover:	<u>10</u>		ver	height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. 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
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 27.5 50% of total cover: 50% of t	<u>10</u>	= Total Co	ver 11	height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. 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
4 Mikania SCANDOUS 5. 6 7 8. 9. 10. 11 12 27.5 50% of total cover: Woody Vine Stratum (Plot size 30,936) 1 Smilgy laurifilia	55 20% or 300	= Total Co	ver	height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. 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
4 Mikania SCANDOUS 5. 6 7 8. 9. 10. 11 12 27.5 50% of total cover: Woody Vine Stratum (Plot size 30 9 36) 1 Smilgy laurifela 2.	<u>10</u>	= Total Co	ver 11	height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. 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
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 27.5 50% of total cover: Woody Vine Stratum (Plot size 30 9 36) 1 Smilay Totundifela 2. 3 Smilay Totundifelia	55 20% or 300	= Total Co	ver 11	height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. 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
4 Mikania SCANDOUS 5. 6 7 8. 9. 10. 11 12 27.5 50% of total cover: Woody Vine Stratum (Plot size 30 9 36) 1 Smilgy laurifela 2.	55 20% or 300	= Total Co	ver 11	height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. 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
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 27.5 50% of total cover: Woody Vine Stratum (Plot size 30 9 36) 1 Smilay Totundifela 2. 3 Smilay Totundifelia	\$5 _ 20% or 30	= Total Co	ver 11	height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. 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.
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 27.5 50% of total cover: Woody Vine Stratum (Plot size 30 9 36) 1 Smilay Totundifela 2. 3 Smilay Totundifelia	\$5 _ 20% or 30	= Total Co	FAC FACL	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.
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size 30,36) 1 Smilgy laurifolia 2 Smilay rotundifolia 4 Lyonia Jucida 5	\$5 20% or 30 40 10 10	= Total Co	Ver O III	height. Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tail. 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.
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size 30 936) 1 Smilgy laurifola 2. Smilay rotundifola 4. Lyonia Jucida 5 50% of total cover:	\$5 20% or 10 10 20% or	= Total Co	Ver O III	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. Hydrophytic Vegetation
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size 30,36) 1 Smilgy laurifolia 2 Smilay rotundifolia 4 Lyonia Jucida 5	\$5 20% or 10 10 20% or	= Total Co	Ver O III	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. Hydrophytic Vegetation
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size 30 9 36) 1 Smilgt laurifola 2 Milay rotundifola 3. Smilay rotundifola 4. Lyonia Jucida 5 50% of total cover: Remarks (II observed list morphological adaptations below	\$5 20% or 10 10 20% or w).	= Total Co total cove Total Co total cove	Ver TACW FAC FAC Ver TACW	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. Hydrophytic Vegetation Present? Yes No
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 27.5 50% of total cover: Woody Vine Stratum (Plot size 30,36) 1 Smilgy Tavrifela 2. Smilay rotundifela 4. Lyonia Jucida 5 50% of total cover: Remarks (II observed. list morphological adaptations below	\$5 20% or 10 10 20% or w).	= Total Co total cove Total Co total cove	Ver TACW FAC FAC Ver TACW	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. Hydrophytic Vegetation Present? Yes No
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 27.5 50% of total cover: Woody Vine Stratum (Plot size 30,36) 1 Smilgy Tavrifela 2. Smilay rotundifela 4. Lyonia Jucida 5 50% of total cover: Remarks (II observed. list morphological adaptations below	\$5 20% or 10 10 20% or w).	= Total Co total cove Total Co total cove	Ver O III	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. Hydrophytic Vegetation Present? Yes No
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size 30 9 36) 1 Smilgt laurifola 2 Milay rotundifola 3. Smilay rotundifola 4. Lyonia Jucida 5 50% of total cover: Remarks (II observed list morphological adaptations below	\$5 20% or 10 10 20% or w).	= Total Co total cove Total Co total cove	Ver TACW FAC FAC Ver TACW	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. Hydrophytic Vegetation Present? Yes No
4 Mikania Scandous 5. 6 7. 8. 9. 10. 11 12 27.5 50% of total cover: Woody Vine Stratum (Plot size 30,36) 1 Smilgy Tavrifela 2. Smilay rotundifela 4. Lyonia Jucida 5 50% of total cover: Remarks (II observed. list morphological adaptations below	\$5 20% or 10 10 20% or w).	= Total Co total cove Total Co total cove	Ver TACW FAC FAC Ver TACW	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. Hydrophytic Vegetation Present? Yes No

(inches)	Matrix	to the dopen	ngood of bedeen	ient the indica KFeatures	ator or confirn	n the absence of indi	cators.)
7-6	Color (moist)	<u>%</u>	Color (moist)	% Ty	pe' Loc²	Texture	Remarks
6-14	104RZ/1	100		***		Muck	
	1012-11	100				Mucky lan	
		The state of the s					
The second second							
						Management of the second of th	
Type: C=(Concentration D=Do	nlotion DM-D	odused Mark Control			***************************************	
17 and 001	Concentration, D=De Indicators: (Appli	cable to all LF	educed Matrix, MS Rs, unless other	S=Masked San wise noted.)	d Grains.	² Location: PL=Po	ore Lining, M≕Matrix. Sblematic Hydric Solls³:
Histosc	l (A1) Epipedon (A2)		Polyvalue Be	low Surface (S	8) (LRR S, T, I	J) \square 1 cm Muck (A	
☐ Black F	fistic (A3)		Thin Dark Su	rface (S9) (LRI / Mineral (F1) (R S, T, U)	2 cm Muck (A	10) (LRR S)
∐ Hydrog □ Stratific	en Sulfide (A4) ed Layers (A5)		Loamy Gleye	d Matrix (F2)	LINIX O)	Piedmont Floo	ic (F18) (outside MLRA 150A,B) odplain Soils (F19) (LRR P, S, T)
Organio	Bodies (A6) (LRR I	P, T, U)	Depleted Mat		. Pro-	Anomalous Br السط	right Loamy Soils (F20)
5 cm M	lucky Mineral (A7) (L Presence (A8) (LRR I	RRP. T. U)	Depleted Dar	k Surface (F7)		(MLRA 153) Red Parent M	
1 cm M	uck (A9) (LRR P, T)		Redox Depre	ssions (F8)			Dark Surface (TF12)
Deplete Thick F	ed Below Dark Surfa Park Surface (A12)	ce (A11)	Depleted Oct	ric (F11) (MLF	RA 151)	Other (Explain	i in Remarks)
Coast F	Prairie Redox (A16) ((MLRA 150A)	I Iron-Mangane With the control of the control o	ese Masses (F ce (F13) (LRR	12) (LRR O, P		f hydrophytic vegetation and
Sandy	Mucky Mineral (S1) (Gleyed Matrix (S4)	(LRR O, S)	Delta Ochric	(F17) (NILRA 1	51)	unless dist	drology must be present. urbed or problematic.
Sandy	Redox (S5)		Reduced Ver	tic (F18) (MLR odplain Soils (I	A 150A, 150B; F19) (MLRA 14	1	
	d Matrix (S6) urface (S7) (LRR P,	0 % 11)	Anomalous B	right Loamy So	oils (F20) (MLF	RA 149A, 153C, 153D)	
Restrictive	Layer (if observed	S, 1, U)):					
Depth (ii Remarks	nches).					Hydric Soll Preser	nt? Yes No
/ciliding	unable to	. 7 4	rayo Day	+ 14 inc	hes		and desired to the second test and the second test and test and test and test and test and test and test as te
	Unable T	Ker	Mere Pos				
		10.11	deic S	cil P	resent		
		ho	dric s	cil ?	resent		
		ho	dric S	cil P	resent		
		ho	dric S	cil 7	resent		
		ho	dric S	cil 7	resent		
		γo	dric S	cil 7	resent		
		ho	dric S	cil 7	resent		
		Mo	dric S	cil ?	resent		
		ho	dric S	cil 7	resent		
		Mo	dric S	cil 7	resent		
		ho	dric S	cil 7	resent		
		Mo	dric S	cil 7	resent		
		ho	idric S	cil 7	resent		

wroh018s_w



Wetland data point wroh018s_w facing southeast



Wetland data point wroh018s_w facing northwest

wroh018s soils



Wetland soils

WETLAND DETERMINATION DATA	A FORM - Atlantic and Gu	If Coastal Plain Region
61/1/		
Application Wile . (A) AA		Sampling Date Wru 1018
Investigator(s): DD Wood (CPI)	0	ate: M Sampling Point: 9/1///
Soil Map Unit Name: A A A CALLARY Lat: 34	Section, Township, Range:	
Subregion (LRR or MLRA): LR T Lat 34	Cocartener (concave, convex, no	Slope (%): 5-72
Soil Map Unit Name: Whas Pun	Long: _/-	Datum: <u>W(2)</u>
Are climatic / hydrologic conditions on the site typical for this time of	1100x2 Van 1 / N	NWI classification: not nappec
Are Vegetation Soil or Hydrology significan	the districts of 2 A . Inc. (If	no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology naturally p	ary disturbed? Are "Normal C	ircumstances" present? Yes L'No
		plain any answers in Remarks.)
SUMMARY OF FINDINGS Attach site map showing	ng sampling point location	s, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No Yes No	Is the Sampled Area within a Wetland?	Yes No
Non-wetland condition	as observed	
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one is required; check all that apply	<u>\$</u> ()	econdary Indicators (minimum of two required) Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (E	313)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Saturation (A3) Marl Deposits (B	15) (LRR U)	Drainage Patterns (B10)
Trydrogen Sunda		Moss Trim Lines (B16)
Sediment Deposits (B2) Presence of Red	pheres along Living Roots (C3)	Dry-Season Water Table (C2)
Recent Iron Red	uction in Tilled Soils (C6)	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Thin Muck Surface	ce (C7)	Geomorphic Position (D2)
Iron Deposits (85) Other (Explain in	Remarks)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)		FAC-Neutral Test (D5)
Field Observations:	Zab	Sphagnum moss (D8) (LRR T, U)
Surface Water Present? Yes No Depth (inche		
Water Table Present? Yes No ∠ Depth (inche	28):	
Saturation Present? Yes No 😾 Denth (inch.)	28)	dualant Duana (A)
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	wettand ny	drology Present? Yes No
gauge, monitoring well, aerial pho	otos, previous inspections), if availa	ible:
Remarks:		
heloTle 1 do 1 d	2	
Watland hydrology A	w observed	

	Abasista	arno.		Sampling Point: Wroth O. D.
Tree Stratum (Plot size: 30)	0/ 0	Dominant Species?	Indicator	Dominance Test worksheet:
1. Pines tagle	7/2	Species!	FAC	Number of Dominant Species That Are OBL FACW or FAC:
2 86500 11 1000	7	<u></u>	THE .	That Are OBL, FACW, or FAC: (A)
2. Kesea but bonia			Etc	Total Number of Consistent
3				Total Number of Dominant Species Across All Strata: (B)
4				Species Across All Strata: (B)
5	***************************************		*****************	Percent of Dominant Species
6				That Are OBL, FACW, or FAC: (A/B)
6	***************************************			
7			Name and Post Control of Control	Prevalence Index worksheet:
8.	-			Total % Cover of: Multiply by:
	2.5	= Total Cov	/er	OBL species x 1 =
50% of total cover: <u>1</u> 2-5	20% 0	بمدروه اواوا	. 5	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30)	20 /0 01	total cover		FAC species x 3 =
1 Marie to L	10	V	1-1.	FACU species x 4 =
2. Acar rusium			The_	
3 [] 2			FAC	UPL species x 5 =
3. Flox glubra			ERCW	Column Totals: (A) (B)
4. Line Indra Folipfora	20_		FACU	Prevalence Index = B/A =
5. Quercus rigion	_5	//	FAC	Hydrophytic Vegetation Indicators;
6.				
		******************************		1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
	45	T 6		3 - Prevalence Index is ≤3.01
50% of total assurance 3.3 5		= Total Cov	/er	Problematic Hydrophytic Vegetation' (Explain)
50% of total cover: 22.5 Herb Stratum (Plot size. 3//)	20% 01	f total cover	: ~!	
1 (/ 2)		.	~	Indicators of hydric soil and wetland hydrology must
De Mus Oly tolia	10		THEW	be present, unless disturbed or problematic.
2 Kubus argutus	20	$\overline{}$	FAC	Definitions of Four Vegetation Strata:
2. Rubis argutus		1		
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5.		***************************************	***************************************	height.
6		-	*************	
1 7		hillion comments and a management		Sapling/Shrub - Woody plants, excluding vines less
8.				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.
IV,				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12				
	30	= Total Cov	/GC &	
50% of total cover: 15	200/ 0		<i>L</i> _	
Woody Vine Stratum (Plot size. 30	40%0	f total cover	L	
1 COS & Red Charles	#PA	100	A CAN	
Salva				
2 Transfer Torono For	60_	<u></u>	EAC	
3. Celsenium simperviners	10	<u></u>	FAC	
4.				
5	. 6.			Markov should
25	Copp	= Total Co	14	Hydrophytic Vegetation
50% of total cover:	200/ 0	f total cover	~ !	Present? Yes / No
Remarks (If observed, list morphological adaptations belo	20700	1 total cover	· 25 %	
	w).			
1,1		A		
the drophytic ves. 069	Serve	()		
		· ·		
·				

Profile Desc	cription: (Describe	to the depth	needed to docum	nent the in	dicator	or confirm	n the absence of in	dicators.)	
Depth (inches)	Matrix		Redox	Features					
7-5	Color (moist)	%	Color (moist)	%	Type'	Loc²	Texture	Remark	S
<u> </u>	101476	100		-	-		SAND_		
16-	10 X	100					SKND		
	1.5 V S/W								
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			-		***		
	A Marine is the discharged and the second and the s					***************************************			
	The state of the transference and the state of the state						***************************************	·	

Type: C=C	oncentration, D=Dep	letion, RM=F	Reduced Matrix, MS	S=Masked	Sand Gr	ains	2 ocation: DI =	Pore Lining, M=M	otriv
lydric Soil	Indicators: (Applic	able to all L	RRs, unless other	wise note	d.)		Indicators for I	Problematic Hydr	ic Soils ³ :
Histosol	(A1)		Polyvalue Be			RR S, T, I	[(A9) (LRR O)	
Histor E	pipedon (A2)		Thin Dark Su	rface (S9)	(LRRS,	T, U)		(A10) (LRR S)	
	istic (A3) en Sulfide (A4)		Loamy Mucky	y Mineral (I	F1) (LRR	0)	Reduced V	ertic (F18) (outsid	le MLRA 150A,B
	d Layers (A5)		Loamy Gleye Depleted Mat	d Matrix (F	(2)			loodplain Soils (F	
] Organic	Bodies (A6) (LRR P	, T, U)	Redox Dark S		31			Bright Loamy Soi	ls (F20)
J 5 cm Mi	ucky Mineral (A7) (Li	R P, T, U)	Depleted Dar	k Surface	(F7)		(MLRA 1	งงษา l Material (TF2)	
Muck P	resence (A8) (LRR L)	Redox Depre	ssions (F8)			ow Dark Surface (1	TF12)
] 1 cm Mi	Jck (A9) (LRR P, T)	44 - 41	Marl (F10) (L					lain in Remarks)	· · · · - ,
Thick D	d Below Dark Surfac ark Surface (A12)	e (A11)	Depleted Och	nric (F11) (MLRA 1	51)			
Coast P	rairie Redox (A16) (I	VILRA 150A)	Iron-Mangane	ese Masse	s (F12) (LRR O, P		s of hydrophytic ve	
Sandy f	Mucky Mineral (S1) (I	_RR O, S)	Umbric Surfa Delta Ochric	CE (F13) (L	_KK P, I Da 4 e 4 \	, U)		hydrology must be	
Sandy (Gleyed Matrix (S4)	. ,	Reduced Ver	tic (F18) (N	VILRA 15	0A. 150B	uniess (disturbed or proble	matic.
	Redox (S5)		Piedmont Flo	odplain Sc	ils (F19)	(MLRA 1	, 49A)		
	Matrix (S6)		Anomalous B	right Loam	ny Soils (F20) (MLF	RA 149A, 153C, 153	BD)	
	rface (S7) (LRR P. (Layer (If observed)								
	ches).	· · · · · · · · · · · · · · · · · · ·							\checkmark
Remarks			Million States	enter i personi su austria, appres			Hydric Soll Pre	sent? Yes	No
	Non-hyo	Irić	Suits 0	6Se	· UPC	J			

wroh018_u



Upland data point wroh018_u facing north



Upland data point wroh018_u facing south

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region	
Project/Site. City/County: Robeson Sampling Date: 9-11)-1
Applicant/Owner: Donning Date: 1 State: NC Sampling Point: WROH	ħ1
Investigator(s): Section, Township, Range: Sampling Point: WPOT	91
Landform (hillslope, terrace, etc.): depression Local relief (concave, convex, none): Lon CAUR Slope (%):	
Subregion (LRR or MLRA). Lat: 34°47'43, 154'0ng: 79°01'50, 254" Datum: 05	7 21
Soil Man Unit Name:	200
Are climatic / hydrologic conditions on the site of th	
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, e	etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Is the Sampled Area within a Wetland? Yes No	
All Three parameters present	
HYDROLOGY	
Wetland Hydrology Indicators: Secondary Indicators (minimum of two require	<u>d)</u>
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)	
Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8	.)
Columbia (AC)	
Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2)	ļ
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 Marck Surface (C7) Geomorphic Position (D2)	
Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) FAC-Neutral Test (D5) Sphaggyum moss (D8) (LBB T II)	
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, previous inspections), if available:	
Processes Bata (arealin gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
Hydrology present	

WRAHDITE Sampling Point:

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

2.01	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 H)		Species2		
1. tunu taeda	40		FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Quarcus nizera	3		FAC	Macrice obe, 1700V, or 170.
3. Liquir Dambron Sturmer Hu	7		FAC	Total Number of Dominant
A STATE STATE STATE	<u> </u>	***************************************	FAC	Species Across All Strata: (B)
6	-			Percent of Dominant Species
5.				That Are OBL, FACW, or FAC: (A/B)
7				Prevalence Index worksheet:
8.			***************************************	Total % Cover of: Multiply by:
	50	= Total Cov	(O.F.	OBL species x 1 =
50% of total cover: 2 5		- 10(a) COV	(0)	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30)	20% 0	t total cover		FAC species x 3 =
1 / 100 Size	22			
1 Liquid ambor potymer tha	20		FAC	FACU species x 4 =
2 Morella centera 15			FAC	UPL species x 5 =
3. Symplocos tinctoria	10		FAC	Column Totals: (A) (B)
4. Viecemium com bosum	10		FACW	Prevalence Index = B/A =
5. Clethra alnitolia	15		FACIN	Hydrophytic Vegetation Indicators:
6				(
7.			****	1 - Rapid Test for Hydrophytic Vegetation
8.	***************************************			2 - Dominance Test is >50%
!	280	= Total Cov	1/2	3 - Prevalence Index is ≤3.0'
50% of total cover:	000	- rotal Cot	rer Co	Problematic Hydrophytic Vegetation' (Explain)
Herb Stratum (Plot size. Of)	2 20% 0	I total cover	- P	
	20		<u></u>	¹ Indicators of hydric soil and wetland hydrology must
1 Chasmanthium Joxum	<u> 국인</u>		FACW	be present, unless disturbed or problematic.
2. Aristicla purpuressens	. <u>40</u>	~ <u>/</u>	FACW	Definitions of Four Vegetation Strata:
3 Crechtiles hieraciónia	. <u>10</u>		PAC	Trop Manda de plante postudir e i con O i e (7.0
4 tonzam virgatum	15		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5.				height.
6				
7				Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.	A Maria amount of a mariane amount	***************************************		Than 5 ht. 557 and greater than 5,20 k (1 hi) 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	-	·		
	(S	= Total Cov	/er	The second of the second distribution for the second secon
50%-aftotalfggver: 57.	∑ 20% o	f total cover	: 15	
Woody Vine Stratum (Plot size 54)		/		
1 1 1/23 roture folia	5		FAC	
2.				
3				
4.			***************************************	
5				Hydrophytic \ /
	5	= Total Cov	ver ,	Vegetation
50% of total cover: 2.4	≥ 20% o	f total cover	:	Present? Yes No
Remarks (If observed, list morphological adaptations below	ow).			
Prie Ploutat	100	-		
(
1				
}				

Profile Desc	ription: (Describe	to the de	pth needed to docur	nent the i	ndlcator	or confirm	the absence	of indicators \
Depth (inches)	XII)PINI		Redo	x Feature:	S			or matoutory,
unches	Color (moist)	%	Color (moist)	%	Type'	Loc²	Texture	Remarks
A 22 2	127 Rod 1	<u> </u>					5 hr.	1 to excepted
10-20	1 <u>0485/1</u>	90	101R4/4	5	\overline{C}	PL	SCL	
			10415/6	5	7	M		
		** ************************************						
# h-100 h . 100h and 100h may my m	. P. Marine		the same that th		We Promise and Special Acres			
	or cord for a high to do do controlled market program of a highest arrestance of				Commence of the America			
		·	****					
		-						
'Type: C=Co	oncentration, D=Dej	pletion, RN	1=Reduced Matrix, MS	S=Masked	Sand Gr	ains	21 ocation:	PL=Pore Lining, M=Matrix.
riyane son i	nuicators: (Applic	cable to al	I LRRs, unless other	rwise note	ed.)	anis.	Indicators	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Be	low Surfa	ce (S8) (L	.RR S, T, U		Muck (A9) (LRR O)
Histic Ep	pipedon (A2)		Thin Dark Su	rface (S9)	(LRRS,	T, U)		Muck (A10) (LRR S)
Hydroge	n Sulfide (A4)		Loamy Muck	y Mineral	(F1) (LRF	R O)	L Reduc	ced Vertic (F18) (outside MLRA 150A,B)
Stratified	Layers (A5)		Loamy Gleye Depleted Ma	ed Matrix (triv (E2)	F2)		Piedm	nont Floodplain Soils (F19) (LRR P, S, T)
Organic	Bodies (A6) (LRR F	P, T, U)	Redox Dark	Surface (F	6)		Anom:	alous Bright Loamy Soils (F20) RA 153B)
5 cm Mu	cky Mineral (A7) (L	RR P, T, L	Depleted Dar	rk Surface	(F7)			Parent Material (TF2)
1 cm Mu	esence (A8) (LRR (ck (A9) (LRR P, T)	٦)	Redox Depre	essions (F	8)			Shallow Dark Surface (TF12)
Depleted	Below Dark Surfac	ce (A11)	Marl (F10) (L	.RR U)	/881 ED 6 -4	m 4)	Other	(Explain in Remarks)
Thick Da	rk Surface (A12)		Depleted Oct	ese Mass	(IVILKA 1) es (F12) /	51) I RR O R	T) Jodie	
Coast Pr	airie Redox (A16) (MLRA 150	A) 🔀 Umbric Surfa	ce (F13) (LRR P. T	((O, P,		cators of hydrophytic vegetation and tland hydrology must be present.
Sandy M	ucky Mineral (S1) (leyed Matrix (S4)	LRR O, S)	Delta Ochric	(F17) (ML	.RA 151)		unl	ess disturbed or problematic.
Sandy R	edox (S5)		Reduced Ver	tic (F18) (MLRA 15	0A, 150B)		,
Stripped	Matrix (S6)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14)	9A)	
Dark Sur	face (S7) (LRR P. S	S, T, U)	Tarial Variotical Codes	rigin coar	ily Solls (i	r 20) (WILK	A 149A, 153C	s, 153D)
1	.ayer (if observed)	•					<u></u>	
Туре:								
Depth (inc	thes).						Hydric Soil	Present? Yes No
Remarks			The same and the same of the s	THE PART OF THE PROPERTY AND ADDRESS.	A CONTRACTOR OF A CONTRACTOR			
		0.1	Occasit					
	hydeic	2011	Present	/				
	*							
								The state of the s
								}
								The state of the s

wroh017f_w



Wetland data point wroh017f_w facing east



Wetland data point wroh017f_w facing south

WETLAND DETERMINATION DATA	FORIVI - Atlai	ntic and Gulf (Coastal Pla	ain Region
Δ .				Sampling Date:
Applicant/Owner: Dominion		State	1)6	Sampling Point: (NROHO)
Investigator(s): DDWEST	Section, Townsh	ip. Range:		ouriping Four.
Investigator(s): DD (WEST) Landform (hillstope, terrace, etc.): hills lape/Estate Subregion (LRR or MLRA). Lat: 3 ^L / ₁ ^D	Local relief (cond	cave convex none	1 Ala	Slone (%):
Subregion (LRR or MLRA).	47.42.6	45 long 79	01150), \$23" Datum: 1,05% ()\$
Soil Map Unit Name: Winch Murca				
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes	No (If no	explain in Re	emarks)
Are Vegetation Soil, or Hydrology significant	lly disturbed?			resent? Yes No No
Are Vegetation, Soil, or Hydrology naturally p		(If needed, expla		,
SUMMARY OF FINDINGS – Attach site map showin	na samplina na			
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: No	Is the Sai	mpled Area Vetland?	Yes	No
HYDROLOGY				
Wetland Hydrology Indicators:		Sec	ondary Indicat	tors (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	v)		Surface Soil (
Surface Water (A1) Aquatic Fauna (B		L1		etated Concave Surface (B8)
High Water Table (A2) Saturation (A3) Marl Deposits (B-			Drainage Pat	
The state of the s	e Odor (C1) pheres along Living	Paramy	Moss Trim Lin	nes (B16) Water Table (C2)
Sediment Deposits (B2) Presence of Red		7	Crayfish Burr	
	uction in Tilled Soils		-	sible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface Other (Explain in			Geomorphic I	` '
Iron Deposits (85) Uher (Explain in Inundation Visible on Aerial Imagery (87)	Remarks)	닐	Shallow Aquil	I I
Water-Stained Leaves (B9)			FAC-Neutral	oss (D8) (LRR T, U)
Field Observations:			- Opriagnant in	033 (D0) (ERR 1, 0)
Surface Water Present? Yes No Depth (inche	es):			
Water Table Present? Yes No Depth (inche	es):			
Saturation Present? Yes No Depth (inche includes capillary fringe)				t? Yes No No
Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspe	ections), if available	9:	
Remarks	·			
No hydrologey		\cap		
No Mydrolagey	prese	ent		
	1			
				ł

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

WROHOI7 -Sampling Point: ____

Tree Stratum (Plot size: 30 H)	Absolute Dominant Indicator	Dominance Test worksheet:
	% Cover Species? Status	Number of Dominant Species
1. Times tagla	40 V FAC	That Are OBL, FACW, or FAC: (A)
2. Liquidantrop	S FAC	Total Number of Dominant
3. Quercus migra	S FAC	Species Across All Strata: (B)
4.		1
5	-	Percent of Dominant Species That Are OBL, FACW. or FAC: (A/B)
		That Are OBL, FACW, or FAC: (A/B)
7		Prevalence Index worksheet:
8.		Total % Cover of: Multiply by:
	50 = Total Cover	OBL species x 1 =
50% of Lotal cover: 2<	20% of total cover: 10	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 303)	20 70 01 (0147 00001.	FAC species x 3 =
1. Morella ceritora	15 / FAC	FACU species x 4 =
2 Liger ambor Styracity	25 V/ FAC	UPL species x 5 =
3. Obecinium Starminium	20 V FAV V	Column Totals: (A) (B)
4. Coylussocia trondosa	5 FAC	
5. Rhies copa linen	3 NT	Prevalence Index = B/A =
6. Clethra alnitola	10 FACINI	Hydrophytic Vegetation Indicators:
7. Symplocos tinctoria	5 FAC	1 - Rapid Test for Hydrophytic Vegetation
8.		2 - Dominance Test is >50%
	85 = Total Cover	3 - Prevalence Index is ≤3.0¹
50% of total cover: 413	5 20% of total cover:	Problematic Hydrophytic Vegetation' (Explain)
Herb Stratum (Plot size.		
1 Cupadorium capilitolium	10 J, FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Andropagn virgeniens		Definitions of Four Vegetation Strata:
3. Dichanthelin aciculare	D J FACU	Johnson of Four Vogetation Strata.
4 Eugatorium rotum Didolia		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5. Clethru alnidolia	IS J FACIN	height.
6		Cardia (Ola III M
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 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		noight.
	55 = Total Cover	
50% of tota repver: 27.		
Woody Vine Stratum (Plot size 30 +1.)	2010 01 10101 00 001.	
1 Uitis rationalisolia	5 V FOC	
2		
3.		
4		
5		
	= Total Cover	Hydrophytic Vegetation
50% of total cover: 2 - 5		Present? Yes No
Remarks (If observed, list morphological adaptations belo		
Protogram adaptations better	JYY).	

Sampling Point: Wroh 4/7-U

Profile De	scription: (Describ	e to the dept	h needed to do	cument the i	ndicator	or confirm	the absence o	findicators 1
Depth (inches)	Matrix Color (moist)			edox Features	S			
0-6		<u>%</u> 2 10U	Color (moist)		Type'	Loc ²	Texture	Remarks
6-10	101/84/1	100		-			<u> </u>	
					***************************************		5 have	
12-20	1018 4/2	-28	10185/3			Δ	<u> SL</u>	
	TO A STATE OF THE PROPERTY OF	The section of the se	1048 5/1			M	-VEBY	
The state of the state of the state of	on the country of the state of							
					Property of the State of the St			
1							-	
'Type: C=	Concentration, D=De	epletion, RM=	Reduced Matrix	MS=Masked	Sand Gr	aine	21 agotions 5	N-Davids Advantage
1194116 30	in mutuators: (Appli	icable to all l	RRs, unless ot	herwise note	ed.)	21115.	Indicators fo	L=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :
	ol (A1) Epipedon (A2)		Polyvalue	Below Surface	ce (S8) (L	RR S, T, L		ck (A9) (LRR O)
Black	Histic (A3)		Thin Dark	Surface (S9)	(LRRS,	T, U)	2 cm Mu	ck (A10) (LRR S)
Hydro	gen Sulfide (A4)		Loamy Gl	ucky Mineral (eyed Matrix (I	,FT) (LRR F2)	. O)	Reduced	Vertic (F18) (outside MLRA 150A,B)
	ied Layers (A5) ic Bodies (A6) (LRR		Depleted I	Matrix (F3)			Anomalo	at Floodplain Soils (F19) (LRR P, S, T) ous Bright Loamy Soils (F20)
5 cm /	Mucky Mineral (A7) (L	P, I, U) RRP T III	Redox Da	rk Surface (F	6)		(MLRA	(153B)
∐ Muck	Presence (A8) (LRR	U)	Redox De	Dark Surface pressions (F8	(⊢7) 3)			ent Material (TF2) allow Dark Surface (TF12)
1 cm i	Muck (A9) (LRR P, T))	Marl (F10)	(LRR U)			Other (E	xplain in Remarks)
Thick	led Below Dark Surfa Dark Surface (A12)	ce (A11)	Depleted I	Ochric (F11) ((MLRA 15	51)		
Coast	Prairie Redox (A16)	(MLRA 150A	I Iron-Mang Umbric Si	ianese Masse Irface (F13) (I	es (F12) (I	_RR O, P,		ors of hydrophytic vegetation and
📙 Sandy	Mucky Mineral (S1)	(LRR 0, S)		ric (F17) (ML	RA 151)	, 0)	wettai	d hydrology must be present. s disturbed or problematic.
Sandy	Gleyed Matrix (S4) Redox (S5)		Reduced \	Vertic (F18) (I	MLRA 15	0A, 150B)		distance of problematic.
Strippe	ed Matrix (S6)		Pledmont	Floodplain So	oils (F19)	(MLRA 14	9A)	
☐ Dark S	Surface (S7) (LRR P.	S, T, U)	, womand	s bright Loan	ny 5011\$ (F	-20) (NILR	A 149A, 153C, 1	[53D]
	E Layer (If observed		***************************************					
Type: _	inches).							
Remarks	mones).						Hydric Soil P	esent? YesNo
							and the second property of the contract of the second of t	
					,			
	hydric	coil	v of	Proso.	AL.			
	NAGE : C	DUI	110'	1,000	1 0			•

wroh017_u



Upland data point wroh017_u facing east



Upland data point wroh017_u facing south

wroh017 soils



Wetland/upland soils

FORM - Atlantic and G	Sulf Coastal Pla	ain Region
City/County: Rohose	T ~	Sampling Date: 9 - (0-1
	etata: N(-	Sampling Point: WRO6060
Section, Township, Range:	*7	- September 1
Local relief (concave, convex	. none): Cara	CIALA Slone (%):
47'40.780" Long	7401152.	685 11 Datum: 12350 C
= 0-,	NIMI classific	ation: PFC)
year? Yes X No	(If no explain in R	amarks)
v disturbed? Are "Norms	Circumstances" n	urasant? Vac Na
		,
g sampling point locati	ons, transects	, important features, etc.
Is the Sampled Area within a Wetland?	Yes	No
	· · · · · · · · · · · · · · · · · · ·	
	77.	
13) 5) (LRR U) Odor (C1) heres along Living Roots (C3) uced Iron (C4) uction in Tilled Soils (C6) e (C7) Remarks)	Surface Soil Sparsely Veg Drainage Pat Moss Trim Li Dry-Season V Crayfish Burr Saturation Vi Seomorphic Shallow Aqui FAC-Neutral	tterns (B10) ines (B16) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) Position (D2)
s): Wetland	,	nt? Yes No
sons		
	Section, Township, Range: Section, Township, Range: Local relief (concave, convex 17' 40. 780" Long: Year? Yes No y disturbed? Are "Norma roblematic? (If needed, g sampling point locati Is the Sampled Area within a Wetland? Is the Sampled Area within a Wetland? Odor (C1) heres along Living Roots (C3) ized Iron (C4) ction in Tilled Soils (C6) e (C7) Remarks) S): S): Wetland tos, previous inspections), if av	Is the Sampled Area within a Wetland? Secondary Indications Surface Soil Surface Soil Sparsely Veg Drainage Pa Moss Trim Li Dry-Season Iced Iron (C4) Ction in Tilled Soils (C6) e (C7) Remarks) Wetland Hydrology Preser tos, previous inspections), if available:

WROGOOGF-W

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

	-			Sampling Point.
Tree Stratum (Plot size: 30	Absolute	Dominant	Indicator	Dominance Test worksheet:
	% Cover	Species?	<u>Status</u>	Number of Dominant Species
1. Piney tagola	20		FAC	
2. Acer vuloum	20		-	That Are OBL, FACW, or FAC: (A)
		$\overline{}$	FAC	Total Number of Dominant
3. Ligidombar styracitua	$\perp (C)$		FAC	1 -
4. <i>U</i>		-		Species Across All Strata: (B)
*				Percent of Dominant Species
5			j	l
6				That Are OBL, FACW, or FAC: (A/B)
7				Prevalence Index worksheet:
7.				
8.				Total % Cover of: Multiply by:
	20	= Total Cov		OBL species x 1 =
41	7	- 101a1 COV	'er	
50% of total cover:	20% of	total cover	16	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30)				FAC species x 3 =
1. Oree prium conjugaseum	1		FACW	FACU species x 4 =
2 Cyrila racenti flora	1		- August	
To Take Tora	_		FACW	
3. Pex glabra	10		FACW	Column Totals: (A) (B)
4. Liquidanbor styracistua	1		FAC	
5. Magnolia vingeniono.	13			Prevalence Index = B/A =
6. Clethon alnifolia	10	\checkmark	FACW	Hydrophytic Vegetation Indicators:
6. Jelux ainitolla	10	\checkmark	EACW) pro-mg
7. Symplocos tinctoria	. 4		FAC	1 - Rapid Test for Hydrophytic Vegetation
8.			TVI	2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.01
~	10	= Total Cov	er .	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 35	20% of	Intal cover	14	LI Problematic Hydrophytic Vegetation (Explain)
Herb Stratum (Plot size 30		total cover		
	2 -		· · · · · · · · · · · · · · · · · · ·	Indicators of hydric soil and wetland hydrology must
1 Khypychospora inexpanse	25		FACW	be present, unless disturbed or problematic.
2. Woodworden virginica			ORI	Definitions of Four Vegetation Strata:
3. Andrepagon virginicis	10		TANC	Definitions of Four vegetation Strata.
The original s				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of
5				height.
6		***************************************		
6				Sapling/Shrub - Woody plants, excluding vines less
7		T TR MITTING IN COMPANIES PRINT		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				
9.				Herb - All herbaceous (non-woody) plants, regardless
10		****		of size, and woody plants less than 3.28 ft tall.
10.				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12				neight.
\$ 19 May 1 - SA 19 Addressed may 5 19 and the addressed of the second state and an experience of the second state of the secon	60		1 1	
3	00	= Total Cov	rer 1'2	The state of the s
50% of total cover:	20% of	total cover	. 🐠	
Woody Vine Stratum (Plot size. 30		10101 00101	·	
Smilar laur, Polis	\sim			
311120 × 19114			YHEN	
2.				
3			***************	
4.				
5				
		~		Hydrophytic
<u>)</u>	,	= Total Cov	,	Vegetation X
50% of total cover: 🟒 🖒	20% of	total cover	:	Present? Yes No
Remarks (If observed, list morphological adaptations belo	·W).			
	,			
1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m				

Profile Desc	ription: (Describe	to the dept	h needed to docum	ant the	in dianta.		(1	Sampling Point:
Depth	Matrix		Pode	Cookers	illulcator i	or confirm	the absence	of indicators.)
(inches)	Color (moist)	%	Color (moist)	Feature %	s Type'	Loc ²	Texture	Remarks
2.45	10465/	100		***************************************			PEXIGIE	Remarks
8-20	IONREZI	- 1	10485/4	end			30	
1 2 200 34		- - D_ ,	IOIAJ/M	<u> </u>		\overline{N}	<u>SCC</u>	
The first of the second section and the second seco	- 1 Mark 1 Marketon and Company of the Company of t	T STATISTICAL STATE OF THE STAT						
					The second secon			
	A AND DE TOP OF THE PERSONNEL PROPERTY OF TH				ER SANDANA GARAGE SANDANA		***************************************	
1								
Type: C=C	oncentration, D=Dep	oletion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location:	PL=Pore Lining, M=Matrix.
riyunc son	indicators: (Applic	able to all l	LRRs, unless other	wise not	ed.)		indicators	for Problematic Hydric Solls ³ :
Histosol	(A1) Dipedon (A2)		Polyvalue Bei	ow Surfa	ce (S8) (L	RR S, T, U		luck (A9) (LRR O)
Black Hi			Thin Dark Sur	face (S9)) (LRR S,	T, U)	2 cm N	luck (A10) (LRR S)
	n Sulfide (A4)		Loamy Mucky	Mineral	(F1) (LRR	0)	☐ Reduce	ed Vertic (F18) (outside MLRA 150A,B)
	Layers (A5)		Loamy Gleyer Depleted Mat	o Matrix (F2)		H Piedmo	ont Floodplain Soils (F19) (LRR P, S, T)
☐ Organic	Bodies (A6) (LRR P	, T, U)	Redox Dark S		:6)		Anoma (MI	lous Bright Loamy Soils (F20) (A 153B)
5 cm Mu	icky Mineral (A7) (Li	RR P. T. U)	Depleted Darl	k Surface	(F7)			arent Material (TF2)
Muck Pr	esence (A8) (LRR U	1)	Redox Depre	ssions (F	8)			nallow Dark Surface (TF12)
Depleted	ick (A9) <mark>(LRR P, T)</mark> J Below Dark Surfac	0 / / 1 1 1	Marl (F10) (LI					Explain in Remarks)
Thick Da	ark Surface (A12)	e (MII)	Depleted Och	ric (F11)	(MLRA 15	51)		
Coast P	airie Redox (A16) (I	VILRA 150A	Iron-Mangane Umbric Surfac	se (F13) /	es (F12) (I	_RR O, P,		ators of hydrophytic vegetation and
Sandy M	lucky Mineral (S1) (I	LRR O, S)	Delta Ochric (F17) (ML	.RA 151)	O)	wett	and hydrology must be present. ss disturbed or problematic.
	lleyed Matrix (S4)		Reduced Vert	ic (F18) (MLRA 15	0A, 150B)	di iic	as distance of problematic.
	edox (S5) Matrix (S6)		Piedmont Flor	odplain S	oils (F19)	(MLRA 14	9A)	
Dark Su	rface (S7) (LRR P. S	2 7 111	Anomalous B	right Loar	ny Soils (F	20) (MLR	A 149A, 153C,	153D)
Restrictive I	ayer (if observed):							
Type:	·	'					Para de la constanta de la con	
Depth (in	ches).							
Remarks			The second second is a second of the second		** : ** ****** * : *** . ***		Hydric Soll	Present? Yes No No
	. \		.)	gath.				
	hudeic	Soil	Present	rech				

wrog006f_w



Wetland data point wrog006f_w facing east



Wetland data point wrog006f_w facing south

WETLAND DETERMINATION DATA FO	RM – Atlantic and Gulf Coastal Plain Region
Project/Site. ACP	y/County: Raceson Sampling Date: 9-10-1
Applicatiowiter DOMESTON	State: NZ Sampling Mint ROG0061
Investigator(s): DWSST	ction Towardin Dance
Landform (hillslope, terrace, etc.): Hills ope/romedyklog	cal relief (concave, convex, none): Slope (%): $0 - 2$ $12/1$. 363 Long: 79 01 152 . $3(4)$ Datum: 0 56. 0
Subregion (LRR or MLRA)	17'4/1.363" one 79" 11'52 3(41" Dalum 1250 D
Soil Map Unit Name: Lynch burg	NIMI description:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no explain in Remarks)
Are Vegetation, or Hydrology significantly dis	turbed? Are "Normal Circumstances" proceed? Yes
Are Vegetation, Soil, or Hydrology naturally proble	matic? (If needed, explain any answers in Remarks.)
Hydrophytic Vegetation Present? YesNo	ampling point locations, transects, important features, etc.
Hydric Soil Present? Wetland Hydrology Present? Yes No	within a Wetland?
Describe	
Not all three pro	rometers present
· · · · · · · · · · · · · · · · · · ·	
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 (B13)	Surface Soil Cracks (B6)
High Water Table (A2) Marl Deposits (B15) (L	Sparsely Vegetated Concave Surface (B8) RR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odo	
Water Marks (B1) — Oxidized Rhizosphere	s 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) Thip Muck Surface (C)	<u></u>
Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C) Other (Explain in Rem	
Inundation Visible on Aerial Imagery (B7)	arks) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	hand Springrid Hisson (20) (21111 1)
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
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	orevious inspections), if available:
Remarks	
Ubvious rise in Jopograph	y from adjacent wetland.
Road edgo.	y from adjacent wetland.
8	

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

NRO6006-	4-	
Sampling Point		

0 0	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30++)	9/ Cause	0.444.040		
1. Pinus tacon	4/1)	1/	EM	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Quercus rigres 3. Liquidombor styracitus	1/1		FAC	That Are OBL, FACW, or FAC:(A)
3 Liver On Inn of a fl	10		TA	Total Number of Dominant
good smooth styracities			FAC	Species Across All Strata:(B)
	-			
5				Percent of Dominant Species That Are OBL, FACW or FAC: 78 (A/B)
6			P1	That Are OBL, FACW. or FAC: 10 (A/B)
7.				Prevalence Index worksheet:
7		***************************************		
8				Total % Cover of: Multiply by:
	60	= Total Cov	er.	OBL species x 1 =
50% of total cover: 30	20% 0	fitotal cover	. 17_	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30)		r total cover		FAC species x 3 =
1511	5		FAC	FACU species x 4 =
2 Lindows Finedonia	$\frac{\gamma}{1}$			
2. Lymoan born Styracibluce	15	<u> </u>	FAC	UPL species x 5 =
3. Caylusucca fondosa	10		FAC	Column Totals: (A) (B)
4. MINIO//a Coritera	10		FAC	Providence Index = 8/4 =
5. Jaccinium composim	10		FACW	Prevalence Index = B/A =
6. Quoreus negra	10		FAC	Hydrophytic Vegetation Indicators:
7.	10_		171	1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.0'
	60	= Total Cov	/er	Problematic Hydrophytic Vegetation' (Explain)
50% of total cover: 30	20% o	f total cover	12	Lat Fromematic Hydrophytic vegetation (Explain)
Hero Stratum (Plot size. 10 14)			***	
1 Heridium agyilinum	12		Talil	Indicators of hydric soil and wetland hydrology must
2 Rapalum Astatum	10		FACU	be present, unless disturbed or problematic.
2 M	70		FACU	Definitions of Four Vegetation Strata:
3. And opogon virginicus 4. Vaccinium staminium	7		FAC	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Vaccin ium staminium	15		FACU	more in diameter at breast height (DBH), regardless of
5.				height.
6				
7		A - A-A	E-Ministration - Appendix Spines, 1, p. 199	Sapling/Shrub - Woody plants, excluding vines less
2		* *** ****** ** ***** *** ****		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
1 12		***************************************		height.
The state of the s	~~~	***************************************	1 Part	
7 -	10_	= Total Cov	111	Person of the section
50% of total cover: 55	20% o	f total cover	: / 1	
Woody Vine Stratum (Plot size. 30 H)		. ,		
1 Vitis rotundifolk	$\langle \cdot \rangle$		FAC	
2.				
3				
3				
4.				
5				Hydrophytic
	5	= Total Cov	ver	Vegetation
50% of total cover: 2.5	20% 0			Present? Yes No
Remarks (If observed, list morphological adaptations belo	20 /0 0	i total cover	·	
; and the cook too, hat morphological adaptations belo	w).			
				į
·				



Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix Color (moist) %		Redox Features				· - ·/	
04	104R3/1	100	Color (moist)	<u> % Туре</u>	1 Loc²	<u>Texture</u>	Rema	'ks
4-20	101R 4/1				-	56		
25 market 1	14 (6, 3)	100 _				Lon S		
	- Landy , Management and State of the State		The second secon					
The second and a second		ala da v skrivanski po prijekaja konstala a spojenje.					100000000000000000000000000000000000000	The second of the desire was desired and a second of the s
		~ ***						
	-	-		And the second s				
'Type: C=C	oncentration, D=Der	oletion, RM=R	educed Matrix, MS	=Masked Sand	Graine	² Location: DI	_=Pore Lining, M=1	1-1-5
riyunc son	indicators: (Applic	able to all LF	RRs, unless other	vise noted.)	oranis.	Indicators for	_=Pole Lining, M=r r Problematic Hyd	лаtrix. Iric Soils ³ :
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U Histoc Epipedon (A2) Thin Dark Surface (S0) (LRR S, T, U))		
Thin Dark Surface (S9) (LRR S, T, U)					2 cm Muck (A10) (LRR S)			
Hydrogen Sulfide (A4)						Reduced Vertic (F18) (outside MLRA 150A,B)		
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) Very Shallow Dark Surface (TF12)		
1 cm Mu	ICK (A9) (LRR P, T)		Marl (F10) (LF	RR U)		Other (Ex	ilow Dark Surface i plain in Remarks)	(TF12)
Depleted	d Below Dark Surfac ark Surface (A12)	e (A11)	Depleted Och	ric (F11) (MLRA	151)	ı	prant in the intantes)	
Coast Pi	rairie Redox (A16) (I	MLRA 150A)	Iron-Mangane	se Masses (F12 e (F13) (LRR P) (LRR O, P,		ors of hydrophytic v	egetation and
Sandy M	lucky Mineral (S1) (LRR O, S)	Delta Ochric (F17) (MLRA 15	. 1, U) }		d hydrology must t disturbed or probl	
Sandy G	leyed Matrix (S4) ledox (S5)		Reduced Verti	c (F18) (MLRA	150A, 150B)		distarbed or probl	emanc.
	Matrix (S6)		Piedmont Floo	dplain Soils (F1	9) (MLRA 14	9A)		
☐ Dark Sui	rface (S7) (LRR P, s	3, T, U)	LI Anomalous Br	ignt Loamy Soil	s (F20) (MLR.	A 149A, 153C, 1	53D)	
	ayer (If observed)					1		
						T		
Remarks	ches).					Hydric Soll Pr	esent? Yes	No <u> </u>
Remarks				The state of the s	· · · · · · · · · · · · · · · · · · ·		rith term of section of with Arthrighton's then more others (Admir) there with a specification	
						to construct the construction of the construct		
1		t						
ML	idric So	i n_0	T Pres	enl				
	ł		*					
								The state of the s
	-							

wrog006_u



Upland data point wrog006_u facing east



Upland data point wrog006_u facing south

wrog006 soils



Wetland/upland soils

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site. Applicant/Owner: Investigator(s): Section, Township, Range: Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Lon chue 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? No Is the Sampled Area Hydric Soil Present? Wetland Hydrology Present? within a Wetland? 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? Water Table Present? Saturation Present? Wetland Hydrology Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks

WROGOOSF W

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

	A/			Sampling Point.
Tree Stratum (Plot size: 30		Dominant		Dominance Test worksheet:
	% Cover	Species?		Number of Dominant Species
1. Quercus Phellos	30		PALW	That Are OBL, FACW, or FAC: (A)
2. Porus taeda	30	1.	FAL	
3. Liquedonbon Styrocitua	20	· /		Total Number of Dominant
- gustar one superina	40		FAC	Species Across All Strata: (B)
4.				
5				Percent of Dominant Species
Ę.				That Are OBL, FACW, or FAC: (A/B)
6		***************************************		
7.				Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
	80			
/10	00:	= Total Cov	er ,	OBL species x 1 =
50% of total cover:) 20% of	total cover:	1/0	FACW species x 2 =
Sapling/Shrub Stratum (Plot size 30		/		FAC species x 3 =
1 /OV ET LOS	26		500	
1 Hex grag	$\frac{2}{2}$		+HC	FACU species x 4 =
2. Lique Dombar Styrpeitlya	20		FAC	UPL species x 5 =
1 Mex opreci 2 Liquis Dombar Styrneithua 3.				Column Totals: (A) (B)

4			***********	Prevalence Index = B/A =
5.				Hydrophytic Vegetation Indicators:
6				
7.		***************************************	***************************************	1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
8.				3 - Prevalence Index is ≤3.01
	45	= Total Cov	er	Problematic Hydrophytic Vegetation' (Explain)
50% of total cover: 22.	5 20% of	total cover	9	The tropientalic rigorophytic vegetation (Explain)
Herb Stratum (Plot size. 30		/		
	25	. /	F-0.01	'Indicators of hydric soil and wetland hydrology must
	<u>~</u> <u>></u>		FACW	be present, unless disturbed or problematic.
۷.				Definitions of Four Vegetation Strata:
3				January States
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4.				more in diameter at breast height (DBH), regardless of
5.				height.
6				
7	words at a constant a series of the	WY FIRE LET LE NO TRANSPORTE DOS A		Sapling/Shrub - Woody plants, excluding vines less
7.	A 44% - Arresto,			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
THE RESERVE OF THE RESERVE OF THE RESERVE OF THE PROPERTY OF T				height.
12				
	25	= Total Cov	er	The state of the s
50% of total cover: 12.5	209/ 06	total assess	<	
Woody Vine Stratum (Plot size 30	20% 01	total cover:		
Woody Vine Stratum (Plot size 30		/		
1 AMILY votunditolia	15		FAC	
2				
3.	***************************************			
4,			***************************************	
5				
	25			Hydrophytic
100		= Total Cov		Vegetation Present? Yes No
50% of total cover: 12.	5_ 20% of	total cover:	<u> </u>	103611(1 103
Remarks (If observed, list morphological adaptations below	w).			

... WO A 2005 E.W

Profile Desc	cription: (Describe	to the dept	h needed to docum	nent the i	ndicator	or confirm	the absence of inc	Sampling Point:
Depth (inches)	Matrix Color (moist)		Redo	x Feature:	S		220000 01 11.	areators.)
7111CHC37	1016 (Moisi)	100	Color (moist)	%	Type!	<u>Loc²</u>	<u>Texture</u>	Remarks 4
			.0 @ 10			****	S born	
3 20	101R4/1		104R5B	2	<u> </u>	<u> </u>	504	
7-20	104R5/1	95	104R5/4	5_	C	M	SCC	
	1 - Train & an advantage recognition between the artists and		,					
The same of the contract of	the said and to the said the second production to the said of the said to the said of the said to the					*****		
		···-		***************************************	***************************************		W-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
Type: C=C	oncentration, D=Dep	letion RM=	Reduced Matrix MG	· · · · · · · · · · · · · · · · · · ·	0 10		2.	
Hydric Soil	Indicators: (Applic	able to all I	-RRs, unless other	o≕iviasked Wise note	Sand Gra	ins.	Location: PL=P	Pore Lining, M=Matrix. roblematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Be			RR S. T. L	1) \square 1 cm Muck (
Histic Er	pipedon (A2)		Thin Dark Su	rface (S9)	(LRRS,	r, U)		A3) (LRR S)
 	n Sulfide (A4)		Loamy Mucky	/ Mineral ((F1) (LRR	0)	Reduced Ve	rtic (F18) (outside MLRA 150A,B)
Stratified	Layers (A5)		Loamy Gleye Depleted Mat	o Matrix (i rix (E3)	F2)		Piedmont Flo	podplain Soils (F19) (LRR P, S, T)
Organic	Bodies (A6) (LRR P	, T, U)	Redox Dark S	Surface (F	6)		(MLRA 15	Bright Loamy Soils (F20)
Muck Pr	icky Mineral (A7) (LF esence (A8) (LRR U	RR P, T, U) '	Depleted Dar	k Surface	(F7)		Red Parent I	Material (TF2)
1 cm Mu	ick (A9) (LRR P, T)		Redox Depre	ssions (F&	3)		Very Shallow	v Dark Surface (TF12)
Depleted	Below Dark Surfac	e (A11)	Depleted Och	ric (F11)	(MLRA 15	1)		in in Remarks)
Coast Pi	ark Surface (A12) rairie Redox (A16) (N	#1 D A 4 C A A	└ Iron-Mangane	ese Masse	es (F12) (L	RR O, P.	T) ³ Indicators	of hydrophytic vegetation and
Sandy N	fucky Mineral (S1) (L	.RR O. S)) Umbric Surfa Delta Ochric	ce (F13) (LRR P, T,	U)	wetland h	ydrology must be present.
Sandy G	leyed Matrix (S4)	, . ,	Reduced Ver	tic (F18) (I	KA 151) MLRA 150	A. 150B)	unless dis	sturbed or problematic.
	edox (S5) Matrix (S6)		Piedmont Flo	odplain Si	oils (F19) (MLRA 14	9A)	
Dark Sui	rface (S7) (LRR P, S	i. Υ. U)	Anomalous B	right Loan	ny Soils (F	20) (MLR.	A 149A, 153C, 153E))
Restrictive I	ayer (if observed):							
Type:			New Televisia				THE STATE OF THE S	
Depth (inc	ches).						Hydrlc Soil Prese	ent? Yes No
Remarks				ten and ten - an experience - as and				THE RESIDENCE OF THE PROPERTY
	11 0	746	` ()		1	_		
	lotydl	$n \leq 3$	soil p	res	2N V			
	\mathcal{O}		1					

								at many services.
			VIII.					

wrog005f_w



Wetland data point wrog005f_w facing east



Wetland data point wrog005f_w facing south

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site. Applicant/Owner: Sampling Point: WRDG 505 Investigator(s): Section, Township, Range: Landform (hillslope, terrace, etc.): Ha 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.) 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? Wetland Hydrology Present? within a Wetland? 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 (84) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (85) 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? Depth (inches) Wetland Hydrology Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks No hydrology pres

WR6005-1 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 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: _____ ×1= OBL species = Total Cover FACW species _____ x 2 = ____ __ 20% of total cover: _ Sapling/Shrub Stratum (Plot size: FAC species x 3 = ____ FACU species _____ x 4 = _____ UPL species ____ × 5 = ____ Column Totals: (A) ____ 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 (Explain) 50% afflotal cover: ___ 20% of total cover: Herb Stratum (Plot size, ¹Indicators 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 The second secon 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: ___ 20% of total cover: Woody Vine Stratum (Plot size. Hydrophytic = Total Cover Vegetation Present? 50% of total cover: _____ 20% of total cover: ____ Remarks (If observed, list morphological adaptations below).

Sampling Point: WOO 005 - 4

Profile Desc	cription: (Describe t	o the dept	th needed to docur	nent the i	indicator	or confirm	n the absence of	Indicators)
Depth (inches)	Matrix Color (moist)		Redo	x Feature	S			
13-9	1044-3/1	<u>%</u>	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
8-30	104 811/2	di					real beautiers	
8-50	101416	_1%_	10184/4	Toma	<u> </u>	$\Delta \Delta$	SCL	
	*	-						
* ****		A1 2000000000000000000000000000000000000						
1 7 184 - Francis d'anne et compagne			The state of the s	* *************************************				
			The state of the s				-	
	a property of the second secon							
¹Type: C=Co	Prophration D-Donl	ntion DM	5	•		-		
Hydric Soil I	oncentration, D=Depl Indicators: (Applica	ellon, RIM=	Reduced Matrix, MS	S=Masked	Sand Gra	ains.	² Location: PI	_=Pore Lining, M=Matrix.
Histosol	(A1)	ibio to an t						r Problematic Hydric Soils ³ :
Histo Er	pipedon (A2)		Polyvalue Be	now Surta Irface (S9)	ce (S8) (L \ /I RR S	RR S, T, (T 11)		ck (A9) (LRR O)
Black Hi			Loamy Muck	y Mineral i	(F1) (LRR	(, U) (O)	2 cm Muc	ck (A10) (LRR S) Vertic (F18) (outside MLRA 150A,B)
Stratified	n Sulfide (A4) I Layers (A5)		Loamy Gleye	d Matrix (F2)	,	Piedmont	Floodplain Soils (F19) (LRR P, S, T)
Organic	Bodies (A6) (LRR P,	T. UI	Depleted Ma Redox Dark :	trix (F3)	.01		<u></u> ∟ Anomalo	us Bright Loamy Soils (F20)
5 cm Mu	cky Mineral (A7) (LR	R P. T. UI	Depleted Dar	ourrace (r sk Surface	(F7)		(MLRA	
Muck Pro	esence (A8) (LRR U)		Redox Depre	ssions (F	8)		Very Sha	nt Material (TF2) Ilow Dark Surface (TF12)
Depleted	ck (A9) (LRR P, T) Below Dark Surface	/A11)	Marl (F10) (L	RR U)			Other (Ex	plain in Remarks)
Thick Da	irk Surface (A12)	(~11)	Depleted Oct	nric (F11)	(MLRA 15	51)	3.	
Coast Pr	airie Redox (A16) (M	LRA 150A	Iron-Mangan Umbric Surfa	ce (F13) (ES (F12) (1 LRR P T	LKK O, P, - (1)		ors of hydrophytic vegetation and id hydrology must be present.
Sandy M	lucky Mineral (S1) (LI	R O, S)	Delta Ochric	(F17) (ML	RA 151)		unless	disturbed or problematic.
Sandy R	leyed Matrix (S4) edox (S5)		Reduced Ver	tic (F18) (MLRA 15	0A, 150B)		problematio.
Stripped	Matrix (S6)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	19A)	
Dark Sur	face (S7) (LRR P, S,	Υ, U)	James Milliand S D	mgni coan	ny Solis (i	-20) (WLR	KA 149A, 153C, 1	53D)
	ayer (if observed):						T	
Remarks	ches).						Hydric Soll Pr	esent? Yes No
Remarks				AND THE ST. LET ENGINEER ST.	A THE BUILDING AND A PROPER WHILE IS	***************************************		
		1 /	_	- 1			0. 1	\Diamond
		HU	ulne so	5-6	100	eso	NT, E	NT NO
		1 6	lnc so Drology	•	Estate Estate	Δ	11 # O	- hadres sould
		My	Drology	120	LALN	\mathcal{Q}_{j}	theresto	The region of the same
		~~	, , (1				
		01	re reli	\subset \ .				
								1
								The state of the s

wrog005_u



Upland data point wrog005_u facing east



Upland data point wrog005_u facing south

wrog005 soils



Wetland/upland soils

A A		Pelastic and Gulf Coastal	•
Project/Site. ACP Applicant/Owner: Dominion	City/County: _	KOBEJON MC	Sampling Date: 1/15/2000
Investigator(s): 1/1/West	Cootian Taur	obia Danas	
Landform (hillslope, terrace, etc.): Flat	Local relief (o	Jucane couner none).	Slone (%):
Landform (hillslope, terrace, etc.): Flat Subregion (LRR or MLRA).	lat 340 46 43	689" Long: 79:02'	40,400 Patum:
Soil Map Unit Name: Lean			ification: PFO
Are climatic / hydrologic conditions on the site typical fo			
Are Vegetation Soil, or Hydrology			_
Are Vegetation, Soil, or Hydrology		(If needed, explain any ans	
		•	·
SUMMARY OF FINDINGS – Attach site m		point locations, transec	ets, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes Yes	No	Sampled Area a Wetland? Yes	✓ No
The three criteria o within a wetland	ive presant. T	The Point is	located
HYDROLOGY		······································	
Wetland Hydrology Indicators:		Secondary Inc	dicators (minimum of two required)
Primary Indicators (minimum of one is required; check	k all that apply)	Surface S	Soil Cracks (B6)
	uatic Fauna (B13)		Vegetated Concave Surface (B8)
 Y4	rl Deposits (B15) (LRR U) drogen Sulfide Odor (C1)	<u> </u>	Patterns (B10) n Lines (B16)
11 1 1 1 1 1 1 1 1 1	idized Rhizospheres along Liv	7	on Water Table (C2)
	esence of Reduced Iron (C4)	· · · · · · · · · · · · · · · · · · ·	Burrows (C8)
	cent Iron Reduction in Tilled S	Soils (C6) 🔲 Saturatio	n Visible on Aerial Imagery (C9)
[in Muck Surface (C7)		hic Position (D2)
Iron Deposits (85) Uthough Inundation Visible on Aerial Imagery (87)	her (Explain in Remarks)		Aquitard (D3)
Water-Stained Leaves (B9)		,	tral Test (D5) m moss (D8) (LRR T, U)
Field Observations:	where the property of the second seco	January Opinagra	11 111000 (DO) (LINIX 1, O)
Surface Water Present? Yes No	Depth (inches):		
Water Table Present? Yes X No	Depth (inches).	ee_	
Saturation Present? Yes X No	Depth (inches):	Wetland Hydrology Pre	sent? Yes 🗶 No
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous ir	nspections), if available:	
	`		
Remarks			
Hydrology indicator	-s present.		
v.b.	in the state of th		
	grad Million Transis Tud		

e Stratum (Plot size: 30)		Dominant		Sampling Point: Wrog Dominance Test worksheet:
		Species?		Number of Dominant Species
Ager rubrum			FAC	That Are OBL, FACW, or FAC: (A)
	- 4	<u></u>	FAC	Total Number of Dominant
plassagia virginiana		_	FACU	Species Across All Strata: (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: (A/I
				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
				OBL species x 1 =
rg .		= Total Co		l .
50% of total cover:	20% 0	f total cover	10	FACW species x 2 = FAC species x 3 =
pling/Shrub Stratum (Plot size: 30)	C	V	ra.	
Lyonia Incidu	- <u>></u>		FACW	UPL species x 5 =
Vaccinium coryenbosum			•	Column Totals: (A) (E
				Column Fotolis.
	-	**********	************************	Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
			***************************************	1 - Rapid Test for Hydrophytic Vegetation
		*******	***************************************	2 - Dominance Test is >50%
		= Total Co		3 - Prevalence Index is ≤3.0'
50% of total cover: 2	7	= Total Co	ver	Problematic Hydrophytic Vegetation' (Explain)
			!!	
rb Stratum (Plot size 50)		f total cove	r:	
rb Stratum (Plot size 50		f total cove.	·	¹ Indicators of hydric soil and wetland hydrology must
Clethra alnifolia	ے	<u> </u>	FACL	be present, unless disturbed or problematic.
rb Stratum (Plot size. 30) Clethra alnifolia		<u> </u>	FACL	
rb Stratum (Plot size. 30) (lethra alnifolia)		<u> </u>	FACW	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
ob Stratum (Plot size. 30) (lethra alnifolia)		Y	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
rb Stratum (Plot size. 30) (lethra alnifolia)		<u> </u>	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height.
rb Stratum (Plot size. 30) (lethra alnifolia)		Y	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height.
b Stratum (Plot size. 30) (lethra alnifalia)		<u>Y</u>	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
rb Stratum (Plot size. 30) Clethra alnifolia		Y	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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
obstratum (Plot size. 30) (lethra alnifolia)		Y	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall.
b Stratum (Plot size. 30) (lethra alnifolia)		<u>Y</u>	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft i
obstratum (Plot size. 30) (lethra alnifolia)		<u>Y</u>	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall.
b Stratum (Plot size. 30) (lethra alnifolia)		<u>Y</u>	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft i
rb Stratum (Plot size. 30) Clethra alnifolia 50% of total cover:	2	= Total Co	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft i
rb Stratum (Plot size. 30) Clethra alnifolia. 50% of total cover:	2	<u>Y</u>	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft i
ob Stratum (Plot size. 30) Clethra alnifolia 50% of total cover:	2	= Total Co	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft i
stratum (Plot size. 30) (lethra alnifola) 50% of total cover:	2	= Total Co	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Stratum (Plot size. 30) (lethra alpifola 50% of total cover: pody Vine Stratum (Plot size. 30) Parthenocissus fungue folin	2	= Total Co	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
sody Vine Stratum (Plot size. 30) Parthenocissus guinguefolin Smiles retandifolin	2	= Total Co	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Smiles rotandifolia	2	= Total Co	FACL	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in, (7.6 cm) more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines lest than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
Solution (Plot size. 30) Clethra alnifola 50% of total cover: 500dy Vine Stratum (Plot size. 30) Parthenocissus fungue folin Smiles rotandifolin	2	= Total Coof total cove	FACL FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
oody Vine Stratum (Plot size. 30) Parthenocissus fungue Folia Smiles rotandi Folia	2	= Total Cove	FACLO FAC FAC FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless 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, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation

Depth <u>Matrix</u> inches) <u>Color (moist) %</u>	needed to document the indicator or confirm the Redox Features Color (moist) % Type1 Loc2	Texture	Sampling Point: Wrog Go of indicators.) Remarks
0-8 104R 2/1 8->18 104R 3/1		Seend Sarnd	Unmasked Scad gr. abse
ype: C=Concentration, D=Depletion, RM=R rdric Soil Indicators: (Applicable to all LF	RRs, unless otherwise noted.)	Indicators	PL=Pore Lining, M=Matrix. for Problematic Hydric Soils³:
Histoso (A1) Histoc Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed):	Polyvalue Below Surface (S8) (LRR S, T, U) Thin Dark Surface (S9) (LRR S, T, U) Loamy Mucky Mineral (F1) (LRR O) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Umbric Surface (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149/ Anomalous Bright Loamy Soils (F20) (MLRA	2 cm M Reduci Piedmo Anoma (MLF Red Pa Very S Other () 3 Indic wet unle	Muck (A9) (LRR O) Muck (A10) (LRR S) ed Vertic (F18) (outside MLRA 150A,B) ont Floodplain Soils (F19) (LRR P, S, T) alous Bright Loamy Soils (F20) RA 153B) arent Material (TF2) challow Dark Surface (TF12) (Explain in Remarks) cators of hydrophytic vegetation and cland hydrology must be present. ess disturbed or problematic. , 153D)
Type:		Hydric Soll	Present? Yes X No
Present			

Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U)	Redox Depressions (F8) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, Umbric Surface (F13) (LRR P, T, U) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 14: Anomalous Bright Loamy Soils (F20) (MLRA)	wetland hydrology must be present. unless disturbed or problematic.
Restrictive Layer (if observed):		
Туре:		
Depth (inches).		Hydric Soil Present? Yes X No
Remarks	The second secon	100
Present		

wrog004f_w



Wetland data point wrog004f_w facing east



Wetland data point wrog004f_w facing south

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region ______ City/County: Robeson Sampling Date: 09/10/2014 Project/Site. Applicant/Owner: Paminisa State: UC Sampling Point: Wrog 004-Investigator(s): Do West _____ Section, Township, Range: ____ Landform (hillslope, terrace, etc.): 5 ide 3 lope Local relief (concave, convex, none): Local selief (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 No ____ (If no, explain in Remarks.) Are Vegetation _____. Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X 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: Hydric soil & hydrology not present. Not a wetland: 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 (85) 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? 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: Hydrology not present.

7,		Dominant		Sampling Point: Wrog C Dominance Test worksheet:
Pinus Faeda	<u>% Cover</u>	Species?	Status FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
				Total Number of Dominant Species Across All Strata
				Percent of Dominant Species That Are OBL, FACW. or FAC: (A/B)
			***************************************	Prevalence Index worksheet:
	10	 = Total Cov	(Ar	OBL species x 1 =
50% of total cover: _	5 20% of	total cover	. 7	FACW species x 2 =
pling/Shrub Stratum (Plot size: 30	207601	total cover		FAC species x 3 =
Quereus marilandice	10	Υ	LAPL	FACU species x 4 =
Pinns treda	10	Ÿ	FAC	UPL species x 5 =
			4-/15-	Column Totals: (A) (B)
				Decision of Index - D/A
			Parameter Communication of the	Prevalence Index = B/A =
			Pro varior de promo reservo una	Hydrophytic Vegetation Indicators:
		*****************	***************************************	1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
				1 market
		= Total Cov	ver	3 - Prevalence Index is ≤3.0°
50% of total cover:	O 20% of	total cover	4_	Problematic Hydrophytic Vegetation¹ (Explain)
Glethra alnifolia	7		FACW	Indicators of hydric soil and wetland hydrology must
Pteridium aguilinum		V		
Ilex platra		———	FACU	Definitions of Four Vegetation Strata:
Myrica Cerifera			FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
		Property of the management of	to describe the state of the last	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.
0				Woody vine - All woody vines greater than 3.28 ft in height.
?				, and the second
	42	= Total Co	ver	AND THE RESIDENCE OF A PARTY CONTROL OF THE PARTY C
50% of total cover:	ZL 20% o	f total cover	8.4	
Noody Vine Stratum (Plot size. 30)		V	ra.	
Smilax rotundifolio	5	<u> </u>	FAC	
				Hydrophytic
	5	= Total Co	ver	Hydrophytic Vegetation
50% of total cover:				Present? Yes No No
Remarks (If observed, list morphological adaptation				
,	, , .			
0				
Present				

_	_	
٠.	13	11
u	v	L

as file. D	Sampling Point: Wrog Odg
rofile Description: (Describe to the depth needed to document the indicator or confirm	the absence of indicators.)
epth <u>Matrix</u> Redox Features	
S 10) 3d 2d.	Texture Remarks
	sy/m
10 YR 7/1	"S. It + pepper" 70/30
-70 10 yr 3/1 6	wese sad
-24t Same	
at the second control of the second control	
VIDE: C=Concentration D=Deplotion PM-Dadward Makin Alo Al I I I I I I I I I I I I I I I I I I	2.
rpe: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. dric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
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).	Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) 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) 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) ☐ 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) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) Ton-Manganese Masses (F12) (LRR O. R.	
= " " " " " " " " " " " " " " " " " " "	1
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A 150B)	unless disturbed 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) strictive Layer (if observed):	
Type:	
Depth (inches).	Hydric Soll Present? Yes No
Depth (inches).	
Type: Depth (inches) marks - Unmasked Soud Grain present	
Depth (inches).	
narks - unnasted sand scain presed in	
narks - unmasked sand som presed in	
Depth (inches)	
narks - unmasked sand som presed in	
onarks - unmasked sand srain presed in	
onarks - unmasked sand srain presed in	
onarks - unmasked sand srain presed in	
ournasted sand scain presed in	
onarks - unmasted sand scain presed in	
onarks - unmasted sand scain presed in	
onarks - unmasked sand srain presed in	
narks - unmasked sand som presed in	
Depth (inches) marks - unmasked sand scain presed in	
narks - unmasked sand som presed in	
narks - unmasked sand som presed in	
narks - unmasked sand som presed in	
narks - unmasked sand som presed in	
narks - unmasked sand som presed in	

wrog004_u



Upland data point wrog004_u facing east



Upland data point wrog004_u facing south

wrog004 soils



Upland/wetland

WEILAND DETERMINATION DATA			- , , ,
Project/Site. ACP	City/County: Roles	41	Sampling Date: 9/9/14
Applicant/Owner: Varanton		State: //C	Sampling Point: Wrog 005
Investigator(s): Dp West (CPP)	Section, Township, Range:	Shannon	<u> </u>
Landform (hillslope, terrace, etc.): wooded depression			
Subregion (LRR or MLRA). Lat: 34	96' 3/2315" Long	79°02'56	ران Datum:
Subregion (LRR or MLRA). — RRT Lat: 34 Soil Map Unit Name:	3	NWI classifica	PFO PFO
Are climatic / hydrologic conditions on the site typical for this time of			
Are Vegetation Soil, or Hydrology significant			•
Are Vegetation, Soil, or Hydrology naturally			
			·
SUMMARY OF FINDINGS – Attach site map showing	ng sampling point locati	ons, transects,	important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No No	within a Wetland?	Yes	
Remarks: Wetland characteristics of data point.	s us more	pionounce	d down grahid
HYDROLOGY	-		
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; check all that appl	ıγ⟩	Surface Soil	Cracks (B6)
Surface Water (A1) Aquatic Fauna (I	B13)	Sparsely Veg	etated Concave Surface (B8)
High Water Table (A2) Marl Deposits (E		Drainage Pat	
Saturation (A3) Hydrogen Sulfid Water Marks (B1) Oxidized Rhizos	` '	Moss Trim Li	
Sediment Deposits (B2) Oxidized Rnizos Presence of Rec	spheres along Living Roots (C3)	Crayfish Buri	Water Table (C2)
	duction in Tilled Soils (C6)		sible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surfa	·	Geomorphic	* * * * *
Iron Deposits (85) Other (Explain in	n Remarks)	Shallow Aqui	
Inundation Visible on Aerial Imagery (B7)		FAC-Neutral	Test (D5)
Water-Stained Leaves (B9)		Sphagnum n	noss (D8) (LRR T, U)
Field Observations:			
Surface Water Present? Water Table Present? Yes No Depth (inch	ies):		
Saturation Present? Yes No Depth (inch	nes): 724° Wetland	Hydrology Preser	nt? Yes 🔀 No
(includes capillary fringe)			ICT 165 NO
Describe Recorded Data (stream gauge, monitoring well, aerial ph	notos, previous inspections), if a	vailable:	•
Remarks:			
Wetland hydrology pres	e)		

Free Stratum (Plot size: 50)		Dominant		Sampling Point: wrog 00
	% Cover	Species?	Status	Number of Dominant Species
Liquidan bar Syracitica	<u> 70</u>	<u> </u>	FAC	That Are OBL, FACW, or FAC: (A)
Magnalia Virginiana	<u>30</u>	<u>Y</u>	FACIL	Total Number of Dominant
10Xxx seration	<u> 16 </u>	N	FACU	Species Across All Strata: (B)
Acer rubrum	15	N_{\perp}	FAC	
liss garda	5		FAC	Percent of Dominant Species That Are OBL, FACW. or FAC: (A/B)
				THAT ALE OBE, I ACTV. OF AC. (A/B)
			F	Prevalence Index worksheet:
				Total % Cover of: Multiply by:
	<0	= Total Co		OBL species x 1 =
50% of total cover:	1 2004	- TOTAL CO	vei 1/	FACW species x 2 =
pling/Shrub Stratum (Plot size:)	20% 0	r total cover	: <u>112</u>	FAC species x 3 =
Laudan Eur Dran (Luc	7 -		FAC	FACU species x 4 =
Tlex Glabla	40	-		UPL species x 5 =
Masolia versiciana	~ ~~~	$\overline{}$	FACW	Column Totals: (A) (B)
Quecus riota	>		`**************************************	V 7
Morella cel·Cora	>	7	FAC.	Prevalence Index = B/A =
	10	\sim	FAC	Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
	1.75		***************************************	3 - Prevalence Index is ≤3.0°
	were .		1 27	Problematic Hydrophytic Vegetation' (Explain)
50% of total cover:	20% o	f total cover	r:	
erb Stratum (Plot size)	0	`	to	Indicators of hydric soil and wetland hydrology must
Clethra chifolia	35	<u> </u>	FICW	be present, unless disturbed or problematic.
Auntinoria Rigartee	25		FALW	Definitions of Four Vegetation Strata:
Osnyatian Eineneum	5	N	FALW	T
Avoreto Les Tera				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
Loodwardie acreoida	5		FALW	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.
0		***************************************	*	of size, and woody plants loss than 6.25 K tall.
1				Woody vine – All woody vines greater than 3.28 ft in
)				height.
11-81 - 41-74-7-81-81-81-81-81-81-81-81-81-81-81-81-81-	70			
77		= Total Co		
50% of total cover:	≥ 20% c	of total cove	r: <u>17</u>	
Voody Vine Stratum (Plot size. 30)		\vee	East. /	
ZMICK lauritulia	_ <u>_15</u>		- TACO	
Langue Millanc	<u>5</u>	- - 	TAC-	
tophera japania	<u> </u>	<u> </u>	<u> F&C</u>	
VM3 DAZALFOLIA		. <u></u>	FRC	
		* ************************************		Hydrophytic
	40	= Total Co	over	Vegetation
	300%	of total cove		Present? Yes No
50% of total cover:	∠ U70 (

Sampling Point: Wrog 003F_w

Depth	Matrix			x Features			m the absen			
inches)	Color (moist)	%	Color (moist)		Type ¹	Loc²	Texture		Remarks	
)-?o	10 YR 3/1	100_					SwIn			
	*						7			TO THE PARTY OF TH
		· **********		-						
	***************************************			-						·····
	- 1 8/87				***************************************		AMAZIN'S PATE PARE STREET			
· 100 V dentes ar anno as angung										
			The second of th		The second second	Were consider reduces to order a district,				
		-			-			<u></u>		
							· ·			
ype: C=C	Concentration, D=Dep	letion, RM=R	educed Matrix, M	S=Masked	Sand Gr	ains.			Lining, M=Matr	
	Indicators: (Applic	able to all LF					 -		ematic Hydric	Solls ³ :
Histoso	I (A1) pipedon (A2)		Polyvalue B	elow Surfac	ce (S8) (L	RR S, T,	£1	n Muck (A9) i		
===	pipedon (A2) listic (A3)		Thin Dark St				7	n Muck (A10)		
	en Sulfide (A4)		Loamy Much			(0)	3 1		F18) (outside	
	d Layers (A5)		Loamy Gley		-2)		i 1		lain Soils (F19)	
	Bodies (A6) (LRR P	T UI	Redox Dark		61				t Loamy Soils	(F20)
5 cm M	ucky Mineral (A7) (LF	RR P. T. U)	Depleted Da				1 1 '	ILRA 153B) Parent Mate	rial /TEO)	
Muck P	resence (A8) (LRR U	J)	Redox Depr						rk Surface (TF	12)
] 1 cm M	uck (A9) (LRR P, T)		Marl (F10) (I		,			er (Explain in		, ,
	d Below Dark Surfac	e (A11)	Depleted Oc		MLRA 1	51)	J	(
	ark Surface (A12)		Iron-Mangar	nese Masse	s (F12) (LRR O, F	³ , T)	dicators of hy	drophytic vege	tation and
	Prairie Redox (A16) (I			ace (F13) (LRR P, T	, U)	\	vetland hydro	ology must be p	resent.
	Mucky Mineral (S1) (I	LRR O, S)	Delta Ochric	(F17) (ML	RA 151)			ınless disturt	ed or problema	atic.
	Gleyed Matrix (S4) Redox (S5)		Reduced Ve	rtic (F18) (MLRA 15	0A, 150E	3)			
-	d Matrix (S6)		Piedmont FI							
	urface (S7) (LRR P, S	S T (1)	Anomalous	Bright Loar	ny Solis (F20) (ML	RA 149A, 15	3C, 153D)		
		:								
estrictive	Layer (if observed):									
testrictive Type:	Layer (if observed):								. V	
Type: Depth (in	Layer (if observed):			NATIONAL CONTRACTOR OF THE PROPERTY OF THE PRO			Hydric S	oll Present?	Yes X	. No
testrictive Type:	Layer (if observed):			No. of the control of			Hydric S	oll Present?	Yes X	. No
Type: Depth (in	Layer (If observed):						Hydric S	oil Present?	Yes X	. No
Type: Depth (in	Layer (If observed):			a sent			Hydric S	oil Present?	Yes X	. No
Type: Depth (in	Layer (If observed):		form pro	esent			Hydric S	oil Present?	Yes X	No
Estrictive Type: Depth (in	Layer (If observed):			rsent			Hydric S	oil Present?	Yes X	. No
Type: Depth (in	Layer (If observed):			esent			Hydric S	oil Present?	Yes X	. No
estrictive Type: Depth (in	Layer (If observed):			esent			Hydric S	oll Present?	Yes X	. No
estrictive Type: Depth (in	Layer (If observed):			2 Sent			Hydric S	oil Present?	Yes X	. No
estrictive Type: Depth (in	Layer (If observed):			a Sent			Hydric S	oil Present?	Yes X	. No
Type: Depth (in	Layer (If observed):			a Sent			Hydric S	oil Present?	Yes <u>X</u>	. No
Type: Depth (in	Layer (If observed):			2 Sent			Hydric S	oil Present?	Yes <u>X</u>	. No
Type: Depth (in	Layer (If observed):			esent			Hydric S	oil Present?	Yes <u>X</u>	. No
estrictive Type: Depth (in	Layer (If observed):			e sent			Hydric S	oil Present?	Yes <u>X</u>	. No
estrictive Type: Depth (in	Layer (If observed):			RSent			Hydric S	oil Present?	Yes X	. No
estrictive Type: Depth (in	Layer (If observed):			esent			Hydric S	oil Present?	Yes <u>X</u>	. No
estrictive Type: Depth (in	Layer (If observed):			esent			Hydric S	oil Present?	Yes <u>X</u>	. No
estrictive Type: Depth (in	Layer (If observed):			esent			Hydric S	oil Present?	Yes <u>X</u>	. No
estrictive Type: Depth (in	Layer (If observed):			esent			Hydric S	oil Present?	Yes <u>X</u>	. No
estrictive Type: Depth (in	Layer (If observed):			esent			Hydric S	oil Present?	Yes X	. No
estrictive Type: Depth (in	Layer (If observed):			e Sent			Hydric S	oil Present?	Yes X	. No
estrictive Type: Depth (in	Layer (If observed):			2 Sent			Hydric S	oll Present?	Yes X	. No
estrictive Type: Depth (in	Layer (If observed):			2 Sent			Hydric S	oll Present?	Yes X	. No
Type: Depth (in	Layer (If observed):			e Sent			Hydric S	oil Present?	Yes X	. No



Wetland data point wrog003f_w facing east

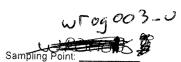


Wetland data point wrog003f_w facing south

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site. <u>RP</u>	City/County: Robers	\	Sampling Date: 9/9/14/
Applicant/Owner: DOMINION		State: NC	Sampling Point: Wrog 003_
Investigator(s): DD West	Section, Township, Range:		
Landform (hillstope, terrace, etc.): wooded spland			3 Slope (%): 0-5-1/3
Subregion (LRR or MLRA). 487 Lat: 34°	16 30.526 Long	79 602 50	362 Datum: W65 8
Soil Map Unit Name:Coxville		NWI classifi	
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes X No	(If no, explain in F	Remarks.)
Are Vegetation Soil, or Hydrology significantly			
Are Vegetation, Soil, or Hydrology naturally pr			
SUMMARY OF FINDINGS – Attach site map showing			
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Is the Sampled Area within a Wetland?		
Non-wetland, Cleared ~40 up gradien.	wea t far	ntield	localed
HYDROLOGY			······································
Sediment Deposits (B2)	13) 5) (LRR U) Odor (C1) neres along Living Roots (C3) ced Iron (C4) ction in Tilled Soils (C6) e (C7) Remarks) s): s): wetland tos, previous inspections), if av	Surface Soi Sparsely Ve Drainage Pa Moss Trim I Dry-Season Crayfish Bu Saturation \ Geomorphic Shallow Aqu FAC-Neutra Sphagnum	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9) c Position (D2) uitard (D3)

ee Stratum (Plot size: 25")		Dominant		Dominance Test worksheet:
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	% Cover	Species?		Number of Dominant Species That Are ORL FACW or FAC: (A)
- Grandan Gar styracitla				That Are OBL, FACW, or FAC: (A)
from serating	10		LAC	Total Number of Dominant
Acer rubrum	4	<u> </u>	TIC	Species Across All Strata:
	·			Descent of Deminant Species
				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
				Prevalence Index worksheet:
			***************************************	Total % Cover of: Multiply by:
	50	= Total Cov		OBL species x 1 =
50% of total cover: 25	20% 0	flotal cover	. 10	FACW species x 2 =
pling/Shrub Stratum (Plot size:)	20 % 01	i total cover		FAC species x 3 =
Quercus nigra	20	1	Fly	FACU species x 4 =
Magnetia virginia		$\overline{}$	There	UPL species x 5 =
Ile opace		$\frac{\sim}{\sim}$	EL.	Column Totals: (A) (B)
Propos Geratica	10	~~	FACT.	
Liberdandar Styre: Flya	18	-17	42	Prevalence Index = B/A =
Pines Aneda	12		EA	Hydrophytic Vegetation Indicators:
Lassam sinease	-2	_~	TAC.	1 - Rapid Test for Hydrophytic Vegetation
		$\underline{\sim}$	41	2 - Dominance Test is >50%
V	50			☐ 3 - Prevalence Index is ≤3.01
4.57	, <u> </u>	= Total Co	ver	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover:	20% o	f total cover	: 16	
erb Stratum (Plot size)	general general	1	r/	Indicators of hydric soil and wetland hydrology must
Cletha chifelia			MM	be present, unless disturbed or problematic.
Aandineria gigatea	75		thew.	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.
The second secon				Sapling/Shrub Woody plants, excluding vines less
TO THE PART OF THE CONTROL OF THE PART OF				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.
).				Manda vina All wands vinas prostes than 2.29 ft in
				Woody vine - All woody vines greater than 3.28 ft in height.
?				
	80	= Total Co	ver	
50% of total cover:				
loody Vine Stratum (Plot size. 25)	20,00	10101 0010	·· <u> </u>	
Lantera suponica	10	V	FAC	
Smlax sadalisation	1/1	· - (FAC	•
The state of the s		·	<u> </u>	
		*	· · · · · · · · · · · · · · · · · · ·	•
		-		
	**7			Hydrophytic
		_ = Total Co		Vegetation Present? Yes No
50% of total cover:		of total cove	r: <u>~\</u>	
emarks (If observed, list morphological adaptations bel				-
Data plot alt	or ~ 1	4.	11.	of another
vous proj	and the first	10	11.00	
		f	· · · · · · · · · · · · · · · · · · ·	
		Sec. 1	the Walter Land	The second secon
	Ø. G.	Ş	Plan	V



Profile Description: (Describe to the depth needed to document the indicator	or confirm the absence of indicators \
Matrix Redox Features	and another of maleuteres,
(inches) Color (moist) % Color (moist) % Type'	Loc ² Texture Remarks
0-4 10 1R 2/1	Say In
4-18 10 YR4/4	selvin
A SEAL COLUMN TO THE PROPERTY OF THE PROPERTY	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Gr	pins 2 continue DI - Dave Linius Add Add 1
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Polyvalue Below Surface (S8) (I	
Thin Dark Surface (S9) (LRR S,	T, U)
1	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)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6)	☐ Anomalous Bright Loamy Soils (F20) ☐ (MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (E7)	Red Parent Material (TF2)
Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 1)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Parkin Park (A12) Iron-Manganese Masses (F12) (1
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (I RR R T	LRR O, P, T) Indicators of hydrophytic vegetation and wetland hydrology must be present.
Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 15	0A, 150B)
China (19)	(MLRA 149A)
Stripped Matrix (S6) Dark Surface (S7) (LRR P. S. T, U) Anomalous Bright Loamy Soils (-20) (MLRA 149A, 153C, 153D)
Restrictive Layer (if observed):	
Type:	
Depth (inches).	Hydric Soll Present? Yes No
Remarks	
Non-hydric soil present.	
presen.	
1	
×	web: -71



Upland data point wrog003_u facing east



Upland data point wrog003_u facing south

wrog003 soils



Wetland/upland soils

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: City/County: Rocke	520 Sampling Date: 9/9/19
Applicant/Owner: Duning	State: NC Sampling Point: W 000021
Investigator(s): DD Wes9 (CPD) Section, Township, Range:	Shannan
	none): 1/a Slope (%): 1/a
Subregion (LRR or MLRA): Local relief (concave, convex, convex)	
Soil Map Unit Name: Lynch durg	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No	. /
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal	al 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 location	ons, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No Wetland Hydrology Present? Yes No Within a Wetland?	Yes No
Remarks:	
Seasonally satisfied netland area	,
LIVEROLOGY	
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) High Water Table (A2) Mad Decesite (B45) (LBB II)	Sparsely Vegetated Concave Surface (B8)
<pre> High Water Table (A2)</pre>	Drainage Patterns (B10) 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): 254	
Saturation Present? Yes No Depth (inches): 224 Wetland	Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if av	ailable:
Remarks:	
water fable a solved in below	. 24"

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

50% of total cover: 22.5

50% of total cover: 55 20% of total cover: 22

50% of total cover: ____ 20% of total cover: __

50% of total cover: 15 20% of total cover:

Queren

3. Liquid and Stracit

Sapling/Shrub Stratum (Plot size: 30 1 1. Liquidambar styracif

Herb Stratum (Plot size:

nes of pl	Dominant	Indicator	Sampling Point: Urage Dominance Test worksheet:
	Species?	Status	Number of Dominant Species That are ORL FACW or FAC:
<u>15</u>	7		That Are OBL, FACW, or FAC: (A)
10	\rightarrow	FAC	Total Number of Dominant Species Across All Strata: (B)
			That Are OBL, FACW, or FAC: (A/B)
			Prevalence Index worksheet:
			Total % Cover of: Multiply by:
45	= Total Cov	/er	OBL species x 1 =
_ 20% of	ftotal cover	: _9	FACW species x 2 =
_	P. 1	T1 .	FAC species x 3 =
15	_/_	* 1/C	FACU species x 4 =
10		1	UPL species x 5 =
25		<u>HC</u>	Column Totals: (A) (B)
30	<u></u>	FACU	Prevalence Index = B/A =
15_	<u> </u>	FK	Hydrophytic Vegetation Indicators:
<u>.5</u>	${}$	FACU_	1 - Rapid Test for Hydrophytic Vegetation
10	$\frac{I}{I}$	FAC.	2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0¹
	= Total Co		Problematic Hydrophytic Vegetation ¹ (Explain)
_ 20% o	f total cover	: <u>ZZ</u>	
70	<u> </u>	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Tree Weedy plonts evaluding vines 3 in (7.6 cm) or
			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.
<u>lo</u>	= Total Co	41	
20% o	f total cove	r:	
		goria A	
15	<u> Y </u>	HOW	
10	<u> </u>	<u>Kac</u>	
_5	<u>N</u>	FAC	
			Hydrophytic
30	= Total Co	ver .	Vegetation
	f total cove	<i>f</i> .	Present? Yes No

Madure	Pine	SIMME	with	Ne

Woody Vine Stratum (Plot size: 30

Remarks: (If observed, list morphological adaptations below).

Profile Desc	ription: (Describe t	o the depth	needed to docum	ent the Ir	ndicator	or confirm	n the absence	of indicato	rs.)	
Depth	Matrix			Features						
(inches)	Color (moist)		Color (moist)	%	Туре '	Loc	<u>Texture</u>		Remarks	
2-6_	10 YR 31		- \10 C\2				SMI IM			
0-17	7.5 YG1	70	5 YR 5/8	14	<u>C</u>	Δ	SMYCHY			
7-245	25 Y7//	<u>so</u> _	3 YR 178	10	<u> </u>	<u> </u>	Topico .			

				<u></u>		•••••				
1T 00					0		21	DI D		
	oncentration, D=Depl Indicators: (Applica					ains.			ning, M=Matrix matic Hydric \$	
Histosol		abio to un El	Polyvalue Be		-	RRSTI			-	
1	pipedon (A2)		Thin Dark Su					luck (A10) (•	
	stic (A3)		Loamy Mucky							ILRA 150A,B)
1	en Sulfide (A4)		Loamy Gleye		F2)				ain Soils (F19)	
_	d Layers (A5)	T 100	Depleted Mat		· C \			_	Loamy Soils (F	(20)
	Bodies (A6) (LRR P, ucky Mineral (A7) (LR		Redox Dark S Depleted Dar	,	•		•	RA 153B) arent Materi	al (TE2)	
E	esence (A8) (LRR U		Redox Depre				**********		Surface (TF1:	2)
1 —	ick (A9) (LRR P, T)	,	Marl (F10) (L		,			Explain in f		<i>'</i>
	d Below Dark Surface	e (A11)	Depleted Oct		•		_			
	ark Surface (A12)		Iron-Mangane						Irophytic veget	
3	rairie Redox (A16) (N Jucky Mineral (S1) (L							•	ogy must be pr ed or problemat	1
1	Gleyed Matrix (S4)	.K. O, O,	Delta Ochric Reduced Ver					oss distarbe	d or problema	
	Redox (S5)		Piedmont Flo							
1 1	Matrix (S6)		Anomalous B	right Loar	ny Soils i	(F20) (MLF	RA 149A, 153C	, 153D)		
	rface (S7) (LRR P, S								***************************************	
	Layer (if observed):									
Type:			_						V	
Depth (in	cnes):						Hydric Soil	Present?	Yes <u>×</u>	NO
Remarks:	1									
	Hydric	Soil	preside	***						
	*	390	•							

wrog002f_w



Wetland data point wrog002f_w facing east



Wetland data point wrog002f_w facing south

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: ACP	City/County: RONESON Sampling Date: 5/9/16
Applicant/Owner: Dominion	State: NC Sampling Point: Wrug002f-W2
Investigator(s): ESJ-K.Markham, K.murphley	Section Township Range: N.A.
Investigator(s).	Local relief (concave, convex, none): CONCAVE Slope (%): 0-2
Landform (nillslope, terrace, etc.): Der 1235-77	68 84 Long: -70.0538 Datum: W65 84
Subregion (LRR or MLRA): Lat: 31.76	NWI classification: PFO
Soil Map Unit Name: Lanchburg Sondy wor	
Are climatic / hydrologic conditions on the site typical for this time of year	
Are Vegetation, Soil, or Hydrology significantly of	disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pro	blematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	within a Wetland r res no
Remarks:	
NCWAM: Pine Flat	
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	
High Water Table (A2) Marl Deposits (B15)	
Saturation (A3) Hydrogen Sulfide O	
	eres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduce	
☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface ☐ Iron Deposits (B5) ☐ Other (Explain in Re	
☐ 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)	: NA
Water Table Present? YesNo Depth (inches)	: 720
Saturation Present? Yes No Depth (inches)	: Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photo:	s, previous inspections), if available:
Remarks:	
	1

	Absolute	Dominant	Indicator	Dominance Test worksheet:
1. Pinus facea	% Cover	Species		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 That Are OBL, FACW, or FAC: 10000 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8				
	30	= Total Co	ver	OBL species x 1 =
50% of total cover: 15	20% of	total cove	r:_6_	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 3014 X 3064)				FAC species x 3 =
1. CLUETCUS MIGHA	30		FAC	FACU species x 4 =
2. Liquidambar Styracitica	15	N	FAC	UPL species x 5 =
3. Morella cerifera	5	1	FAC	Column Totals: (A) (B)
4. Heer rublum	15	N	FAC	Prevalence Index = B/A =
5. Symplocos tinctoria	-0	-/\/	FACIN	Hydrophytic Vegetation Indicators:
6. Clethra alnifolia	>	_ / V	HICO	Rapid Test for Hydrophytic Vegetation
7		-		2 - Dominance Test is >50%
8				☐ 3 - Prevalence Index is ≤3.01
T		= Total Co		Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 4C	20% of	total cove	r: <u>16</u>	
Herb Stratum (Plot size: 3054 X 3054)	00	\ /	:	¹ Indicators of hydric soil and wetland hydrology must
1. Clethra alnifolia	30		FACW	be present, unless disturbed or problematic.
2. Arundinaria gigantea		N	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), 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			de ser de la company de la	M. I. I. Allowed wines and testing 2 20 ft in
11			3	Woody vine – All woody vines greater than 3.28 ft in height.
12				
12.	31	= Total Co	Ver	
50% of total cover: 15.		total cove	-	
Woody Vine Stratum (Plot size: 304 1/3044)		total cove		
1. Smile V volundisolia	5	1	FAC	
1. Station & Today State of the			1110	
2				
3				
4				
5				Hydrophytic
	-34	= Total Co	1	Vegetation Present? Yes No
50% of total cover: 2.		total cove	r:	11000111
Remarks: (If observed, list morphological adaptations belo	w).			

SOIL 12 12 12 12 12 12 12 12 12 12 12 12 12	the manufact to do		dlact		the absence =	findicators)
Profile Description: (Describe to the dep				or contirm	the absence of	i mulcators.)
Depth Matrix	Redo	x Features		Loc²	Texture	Remarks
(inches) Color (moist) %	Color (moist)	%	Type	LOC	4 . 1	Reliaiks
0-6 104R2/1 100					SCL	
6-20 2.545/2 90	WR4/6	10	C	M	50	
¹ Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, M	S=Masked	Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless other	rwise note	d.)		Indicators f	or Problematic Hydric Soils ³ :
Histosol (A1)	☐ Polyvalue B			LRR S, T, U	J) 🔲 1 cm Mu	uck (A9) (LRR O)
Histic Epipedon (A2)	Thin Dark S					uck (A10) (LRR S)
Black Histic (A3)	Loamy Mucl				Reduce	d Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)	Loamy Gley				L Piedmoi	nt Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)	Depleted Ma				Anomale	ous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark		6)		(MLR	A 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U)						rent Material (TF2)
Muck Presence (A8) (LRR U)	Redox Depr	essions (F8			7	allow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)		LRR U)			Other (E	Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Or					
Thick Dark Surface (A12)	☐ Iron-Manga					tors of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150.		, , ,				and hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochrid					ss disturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Ve					
Sandy Redox (S5)	Piedmont F					
Stripped Matrix (S6)	Anomalous	Bright Loan	ny Soils	(F20) (MLR	A 149A, 153C,	153D)
Dark Surface (S7) (LRR P, S, T, U)				v.		
Restrictive Layer (if observed):						
Type:						
Depth (inches):					Hydric Soil I	Present? Yes No
Remarks:						
Normana.						

Environmental Field Surveys Wetland Photo Page



Wetland data point wrog002f_w2 facing northeast.



Wetland data point wrog002f_w2 facing northwest.

WEILAND DETERMINATION		0	•
Project/Site: /TCP	City/County:	Kobeson	Sampling Date: 9/69/201
Applicant/Owner: Dominica			C Sampling Point: Wrog 002
Investigator(s). DUWest	Section, Towns	hip Range	
Landform (hillslope, terrace, etc.):	Local relief (cor	cave convex none): F	lat Slope (%):
Subregion (LRR or MLRA) LRRT La	34046 21.4	\$57Nong 790031	04.214"W Datum:
		NWI d	DOC
Are climatic / hydrologic conditions on the site typical for this			addition .
Are Vegetation, Soil, or Hydrology sig			
Are Vegetation, Soil, or Hydrology na	•		nces" present? Yes X No
		(If needed, explain any a	,
SUMMARY OF FINDINGS – Attach site map s	howing sampling p	oint locations, trans	sects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes ✓ No Yes ✓ No	within	ampled Area Wetland? Yes	No
The three criteria are within a wetland.	present. T.	he sumpling	point is located
LIVERGLAGI	***************************************		
HYDROLOGY			
Wetland Hydrology Indicators:	-11		Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all th			e Soil Cracks (B6)
1 -	auna (B13)		ely Vegetated Concave Surface (B8)
	osits (B15) (LRR U) n Sulfide Odor (C1)	[]	ge Patterns (B10)
	Rhizospheres along Livin	F	Trim Lines (B16) eason Water Table (C2)
	of Reduced Iron (C4)		sh Burrows (C8)
	on Reduction in Tilled So		ition Visible on Aerial Imagery (C9)
	k Surface (C7)	· ' [77	orphic Position (D2)
	(plain in Remarks)	=	w Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	pioni ni riomanoj		leutral Test (D5)
Water-Stained Leaves (B9)		7-1	num moss (D8) (LRR T, U)
Field Observations:			11311 111000 (20) (21111 1, 0)
Surface Water Present? Yes No Dept	th (inches):		
Water Table Present? Yes No ★ Dept		_	
Saturation Present? Yes No 🛧 Dept			Present? Yes 🛧 No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, ac			
g-zgs, noming nom, as	shat photos, provides maj	oconomoj, a avanable.	
Remarks:			
Wetland hydrology	present.		

Sampling Point: Wrog 0025_W VEGETATION (Four Strata) - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status 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 _____ x 1 = _____ = Total Cover FACW species _____ x 2 = ____ 50% of total cover: _____ 20% of total cover: FAC species _____ x 3 = ____ Sapling/Shrub Stratum (Plot size: 30 FACU species _____ x 4 = ____ Curilla racomifolora 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 30 = Total Cover Problematic Hydrophytic Vegetation¹ (Explain) 50% of total cover: 15 20% of total cover: Herb Stratum (Plot size. ¹Indicators of hydric soil and wetland hydrology must Clethra aloifolia be present, unless disturbed or problematic. Pteridina aguilinium 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 THE RESIDENCE OF THE PROPERTY 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 50% of total cover: Woody Vine Stratum (Plot size 1 Smilar votundifolia Hydrophytic /6 = Total Cover Vegetation 50% of total cover: 5 __ 20% of total cover: Remarks (If observed, list morphological adaptations below). Hydrophytic vegetation is dominant.

Sampling Point: Wrog 0025 - W

Profile Desc	cription: (Describe to	the depth ne	eded to docur	nent the indicator	or confirm	the absence of ind	icators.)	
Depth	Matrix			x Features				
(inches)	Color (moist)		olor (moist)	%Type	<u>l_oc²</u>	Texture	Remarks	
0-B"	104R 4/1					S. loam		
8->18'	104185/2					5/-		
0).10mg		
				-	-			
THE PROPERTY AND A STATE OF TH								
	. A Andrewson Constitution of the Constitution			******************				
**** **********************************	THE TAXABLE PARTICULAR CONTRACTOR OF THE PART							
ļ				·	* ****			
Type: C=C	anacatration D=Danla	tion DM-D-d				2		
Hydric Soil	oncentration, D=Deple Indicators: (Applicat	No to all I BB	uced Matrix, Ms	S=IVIasked Sand G	rains.		ore Lining, M=Matrix	
		חפונט מוו בתא					oblematic Hydric S	iolis":
Histosol	• •	<u>_</u>		low Surface (S8) (, ——— ,		
; ==	pipedon (A2)	} =		ırface (S9) (LRR S		2 cm Muck (A		
<u> </u>	istic (A3)	<u> </u>		y Mineral (F1) (LR	R 0)	7	tic (F18) (outside N	•
-	en Sulfide (A4)	<u> </u>		ed Matrix (F2)			odplain Soils (F19)	
	d Layers (A5) Bodies (A6) (LRR P, 1	, ,,, 	Depleted Ma				right Loamy Soils (F	-20)
	ucky Mineral (A7) (LRR JCky Mineral (A7) (LRR		Redox Dark			(MLRA 153	•	
	resence (A8) (LRR U)	(P, 1, U)		rk Surface (F7)		- 11	Material (TF2)	21
	uck (A9) (LRR P, T)	F	Redox Depre				Dark Surface (TF1)	4)
	d Below Dark Surface	(Δ11) 		.RR 0) hric (F11) (MLRA 1	E4\	Uther (Explai	n in Remarks)	
	ark Surface (A12)	```'		ese Masses (F12)	•	T) 3Indicators (of hydrophytic veget	ation and
***************************************	rairie Redox (A16) (ML	RA 150A) T		ice (F13) (LRR P,		•	ydrology must be pr	
	Mucky Mineral (S1) (LR			(F17) (MLRA 151)			turbed or problemat	
	Gleyed Matrix (S4)	···· 0, 0, †		rtic (F18) (MLRA 1			turbed or problemat	ic.
	Redox (S5)	Ť		podplain Soils (F19				
	Matrix (S6)	†				A 149A, 153C, 153D	1	
	irface (S7) (LRR P, S,	T, U)		ong Loam, cond	(1 20) (111211	,, 140,, 1000, 100D	′	
	Layer (if observed):							
Type:	, ,			•				
	chocl							
	ches).	**************		ententent i per depot de transportor i sonosto de las sociolos de la completa de la completa de la completa de	an - a or day participad dy transplatendada - a sa	Hydric Soil Prese	nt? Yes X	No
Remarks								
	1001	e	1					
1 7/7	idric Soil	13 Pr	esent.					
		/						
}								
1								

wrog002s_w



Wetland data point wrog002s_w facing east



Wetland data point wrog002s_w facing south

Wrog002s_w soils



Wetland soils

WEILAND DETERMINATION DATA	FORM – Atlanti	c and Gulf Coastal Pl	ain Region 9/4/16
Project/Site: ACP	City/County:	abeson	Sampling Date
Applicant/Owner: Downson (CPP)	MINIAM	State: M C	Sampling Point: Ur 5,002.
Investigator(s) DD Vest (CPP)		Range: Shanon	
Landform (hillslope, terrace, etc.): 3,10,5100	Local relief (concav	e, convex, none): <u>\$\offersetarrow()</u>	2) Slope (%): 2%
Subregion (LRR or MLRA): ART Lat: 351	46'05,459"	Long: 79003 1	7.\78 Datum:
Soil Map Unit Name: RAIAS			cation: N/A
Are climatic / hydrologic conditions on the site typical for this time of y	rear? Yes X N		
Are Vegetation, Soil, or Hydrology significantl			present? Yes No
Are Vegetation, Soil, or Hydrology naturally p		f needed, explain any answe	
		•	·
SUMMARY OF FINDINGS – Attach site map showin	g sampling poir	nt locations, transects	s, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Non welland present.	Is the Samp within a We		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soi	
Surface Water (A1) Aquatic Fauna (B			egetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B			atterns (B10)
Saturation (A3) Hydrogen Sulfide		Moss Trim t	
·	heres along Living R		Water Table (C2)
Sediment Deposits (B2) Presence of Redu Drift Deposits (B3) Recent Iron Redu	uced fron (C4) uction in Tilled Soils (Crayfish Bu	/isible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surfac	•		c Position (D2)
Iron Deposits (B5) Other (Explain in		Shallow Aq	
Inundation Visible on Aerial Imagery (B7)	,	FAC-Neutra	·
Water-Stained Leaves (B9)			moss (D8) (LRR T, U)
Field Observations:	A		
Surface Water Present? Yes No Depth (inche	rs):		
Water Table Present? Yes No Depth (inches	(s): 224		~
Saturation Present? Yes No Depth (inche	es): 224	Wetland Hydrology Prese	ent? Yes No <u>×</u>
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspect	ions), if available:	
Remarks:			

٧	EGET#	TION	(Four	Strata)	 Use	scientific	names	of plants
•			ıı vui	ULI ULU	 000	SOICHILING	HUHLUS	OI DIGITIO

Sampling Point: Urog002_U

Tree Stratum (Plot size: 30')		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 70)	% Cover ② ∅	Species?	Status 	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. QUELCUS ATACK	25	$\overline{}$	PAC	marve obe, rrow, or rro.
3. Liquidantar styracition	10	N	FAC	Total Number of Dominant Species Across All Strata: (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8.	-00.400			OBL species x 1 =
7 (***		= Total Cov		FACW species x 2 =
50% of total cover: 21.2	>_ 20% of	ftotal cover	: <u>/ /</u>	FAC species x 3 =
Sapling/Shrub Stratum, (Plot size: 50)	No. of the last of		T	1
1. Liquidunour styraciflua			TAC	FACU species x 4 =
2. Viccinium caryndasum		$\frac{1}{\lambda}$	HCW	UPL species x 5 =
3. Myrica cerifera			FAC	Column Totals: (A) (B)
4. Obercus Arma		$\overline{\mathcal{N}}$	PA-C	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
	<u> 60</u>	= Total Co	ver	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover:	20% o	f total cove	:	
1. Clera un fela	20	Ý	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2				Definitions of Four Vegetation Strata:
3				Tree Meady plants evaluding vines 2 in (7.6 cm) or
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
5				Sapling/Shrub – Woody plants, excluding vines, less
7.				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
9.				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.	7.	*		
500, (1.1.)		= Total Co	ver	
50% of total cover: 10 Woody Vine Stratum (Plot size: 50 /)	20% 0	f total cove	r:	
Woody Vine Stratum (Plot size: 50') 1. Vilis Davidida	10	\ <u>/</u>	Eli	
	10	· y	CA	
2 botsonium simpervience		_ 	FILE	
3				
4				
5				Hydrophytic
		= Total Co		Vegetation Present? Yes No
50% of total cover:	20% c	of total cove	r: <u>{/</u>	Present? Yes No
Remarks: (If observed, list morphological adaptations bel	ow).			
less duse unde	e gary	tha	n N	eady wetfal wea
	······································			

Sampling Point: Wrog 002_

	Matrix Color (moist) %	Redox Features Color (moist) % Type Loc²	
(inches)	TO YR3/2 100		X/Y IM
- 1S 1			<u> </u>
5-18-	10 883/4 100)	_ SN/r Im
r			2,
		RM=Reduced Matrix, MS=Masked Sand Grains. all LRRs, unless otherwise noted.)	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis ³ :
Histoso		Polyvalue Below Surface (S8) (LRR S,	•
	pipedon (A2)	Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
	istic (A3)	Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B
	en Sulfide (A4)	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)	Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
	Bodies (A6) (LRR P, T, U)	Redox Dark Surface (F6)	(MLRA 153B)
	ucky Mineral (A7) (LRR P, T, resence (A8) (LRR U)	, U) Depleted Dark Surface (F7) Redox Depressions (F8)	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
	ick (A9) (LRR P, T)	Marl (F10) (LRR U)	Other (Explain in Remarks)
	d Below Dark Surface (A11)		
Thick D	ark Surface (A12)	Iron-Manganese Masses (F12) (LRR O	P, P, T) ³ Indicators of hydrophytic vegetation and
	rairie Redox (A16) (MLRA 1		wetland hydrology must be present,
_	Mucky Mineral (S1) (LRR O,	· — · · · · ·	unless disturbed or problematic.
	Gleyed Matrix (S4) Redox (S5)	Reduced Vertic (F18) (MLRA 150A, 15 Piedmont Floodplain Soils (F19) (MLRA	•
	Matrix (S6)	Anomalous Bright Loamy Soils (F20) (N	•
Dark Su	rface (S7) (LRR P, S, T, U)		, ,
Restrictive	Layer (if observed):		
Туре:			
Depth (in	ches):		Hydric Soil Present? Yes No
Remarks:			

wrog002_u



Upland data point wrog002_u facing east



Upland data point wrog002_u facing south

wrog002 soils



Wetland/upland soils

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: ACP City/	County: Robeson Sampling Date: 5/9/16 State: NC Sampling Point: Wroguoz-u2
Applicant/Owner: Dominion	State: N Sampling Point: Wroguog-42
Investigator(s): ESL-15, MAYENBAY, IS, MULTER FOR	tion Township Range: N#T
Landform (hillsland torresp etc.): El Ot	al relief (concave convex none):
Subregion (LRR or MLRA): LRR P Lat: 34,762	371 Long: -79.05344 Datum: W65 84
Soil Map Unit Name: Lynchould Sondy 1000	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly distr	
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling 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:	William Co.
LWPPOLOGY.	
HYDROLOGY	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators:	Surface Soil Cracks (B6)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Marl Deposits (B15) (LF	
Saturation (A3) Hydrogen Sulfide Odor	
	along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduced I	
☐ Drift Deposits (B3) ☐ Recent Iron Reduction	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	
☐ Iron Deposits (B5) ☐ Other (Explain in Rema	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
☐ Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	10
Surface Water Present? Yes No Depth (inches):	20
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):	15/1 No. 110 N
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:
Remarks:	
8	

2	Absolute	Dominant	Indicator	Dominance Test worksheet:
1. PINUS LORGO	% Cover	Species	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1. PINOS FORCOS	13	4	FAC	That Are OBL, FACW, of FAC.
2. Liquidombar syrocifica 3. Quercus nigra	40	Ý	FAC	Total Number of Dominant Species Across All Strata: (B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.				That 740 ODE; 171071; UTTO
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	70	= Total Co	ver	OBL species x 1 =
50% of total cover: _ 3	5 20% 0	total cove	14	FACW species x 2 =
50% of total cover.	2070 0	total cove		FAC species x 3 =
Sapling/Shrub Stratum (Plot size 3084 X 2064)	6	N	FAC	FACU species x 4 =
1. Symplocos tinctoria		-14		UPL species x 5 =
2 Liquidambor Stureristua		7	FAC	Column Totals: (A) (B)
3. Ilex opaca	5	_()	FAC	Column Totals(A)(D)
4. QUETCUS NIGTA	2	N	FAC	Prevalence Index = B/A =
5. Morella cerifera	5	N	FAC	Hydrophytic Vegetation Indicators:
6. Vaccinium corymbosam	5	N	FACW	Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8.		= 7		3 - Prevalence Index is ≤3.0¹
0.	75	= Total Co		
50% of total cover: 37.				Problematic Hydrophytic Vegetation ¹ (Explain)
	20% 0	total cove	r:	
Herb Stratum (Plot size 305+ X308+)	2/)	V	Thoul	¹ Indicators of hydric soil and wetland hydrology must
1. Ciethra alnisolia	30	7	FACW	be present, unless disturbed or problematic.
2. Pteridium oqualinium	2	N	FACU	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				
The state of the s	32	= Total Co	ver	
50% of total cover:((20% 0			
Woody Vine Stratum (Plot size: 20 94 X 3084)		10141 0010		
1. Smilax lotundisvica	15	U	TAC	
	-10	-	EAC	
2. Vitis rotundifolia -		<u> </u>	13TC	
3. Smilax glauca	5	4	FHC	
4.				
5.		Material Carlos Carlos Carlos	3070 74 01274 24 32 32 32	Hydrophytic
	25	= Total Co	ver	Vegetation
50% of total cover: (2 -			-	Present? Yes No
		i total cove		
Remarks: (If observed, list morphological adaptations bel	ow).			

epth	Matrix			x Feature			the absence of	If the second second
nches)	Color (moist)	%	Color (moist)	%	Type	Loc2		Remarks
)-6	104R2/1	100					<u> </u>	
5-14	104R4/3	80	104R4/6	20		M	SCL_	
4-20	104R4/2	80	104R4/6	20	C	M	_SC	
dric Soil Histosol Histic E Black H Hydroge Stratifie	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5)	cable to all	Reduced Matrix, M LRRs, unless othe Polyvalue B Thin Dark S Loamy Muci Loamy Gley Depleted Mi	erwise not elow Surfa urface (S9 ky Mineral red Matrix atrix (F3)	ed.) ce (S8) (L) (LRR S, (F1) (LRF (F2)	.RR S, T, L T, U)	Indicators for I) 1 cm Muc 2 cm Muc Reduced Piedmont	=Pore Lining, M=Matrix. r Problematic Hydric Soils ³ : k (A9) (LRR O) k (A10) (LRR S) Vertic (F18) (outside MLRA 150A,B Floodplain Soils (F19) (LRR P, S, T) us Bright Loamy Soils (F20)
5 cm Mi Muck P 1 cm Mi Deplete Thick D Coast F Sandy I Sandy I Sandy I Stripped	Bodies (A6) (LRR Fucky Mineral (A7) (L resence (A8) (LRR Uuck (A9) (LRR P, T) d Below Dark Surface ark Surface (A12) Prairie Redox (A16) (Mucky Mineral (S1) (Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P,	RR P, T, U U) ce (A11) (MLRA 150 (LRR O, S)	Depleted Da Redox Depi Redox Depi Marl (F10) (Depleted Or Iron-Manga A) Umbric Surl Delta Ochric Reduced Vo	ark Surface ressions (F (LRR U) chric (F11) nese Mass face (F13) c (F17) (M ertic (F18) loodplain S	(MLRA 1 (MLRA 1 (es (F12) ((LRR P, 1 (LRA 151) (MLRA 150) (F19)	LRR O, P, , U) 50A, 150B) (MLRA 14	Very Sha Other (Ex T) 3Indicate wetlar unless	nt Material (TF2) Illow Dark Surface (TF12) Explain in Remarks) ors of hydrophytic vegetation and and hydrology must be present, a disturbed or problematic.
	Layer (if observed		The state of the s					
		10.0						V
Type:	nches):						Hydric Soil P	resent? Yes No
Type: Depth (ir	the second of th						Hydric Soil P	resent? Yes No

Environmental Field Surveys Wetland Photo Page



Upland data point wrog002_u2 facing south.



Upland data point wrog002_u2 facing west.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: City/County: Rocke	520 Sampling Date: 9/9/19
Applicant/Owner: Duning	State: NC Sampling Point: W 000021
Investigator(s): DD Wes9 (CPD) Section, Township, Range:	Shannan
	none): 1/a Slope (%): 1/a
Subregion (LRR or MLRA): Local relief (concave, convex, convex)	
Soil Map Unit Name: Lynch durg	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No	. /
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal	al 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 location	ons, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No Wetland Hydrology Present? Yes No Within a Wetland?	Yes No
Remarks:	
Seasonally satisfied netland area	,
LIVEROLOGY	
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) High Water Table (A2) Mad Decesite (B45) (LBB II)	Sparsely Vegetated Concave Surface (B8)
<pre> High Water Table (A2)</pre>	Drainage Patterns (B10) 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): 254	
Saturation Present? Yes No Depth (inches): 224 Wetland	Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if av	ailable:
Remarks:	
water fable a solved in below	. 24"

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

50% of total cover: 22.5

50% of total cover: 55 20% of total cover: 22

50% of total cover: ____ 20% of total cover: __

50% of total cover: 15 20% of total cover:

Queren

3. Liquid and Stracit

Sapling/Shrub Stratum (Plot size: 30 1 1. Liquidambar styracif

Herb Stratum (Plot size:

nes of pl	Dominant	Indicator	Sampling Point: Urage Dominance Test worksheet:
	Species?	Status	Number of Dominant Species That are ORL FACW or FAC:
<u>15</u>	7		That Are OBL, FACW, or FAC: (A)
10	\rightarrow	FAC	Total Number of Dominant Species Across All Strata: (B)
			That Are OBL, FACW, or FAC: (A/B)
			Prevalence Index worksheet:
			Total % Cover of: Multiply by:
45	= Total Cov	/er	OBL species x 1 =
_ 20% of	ftotal cover	: _9	FACW species x 2 =
_	P. 1	T1 .	FAC species x 3 =
15	_/_	* 1/C	FACU species x 4 =
10		1	UPL species x 5 =
25		<u>HC</u>	Column Totals: (A) (B)
30	<u></u>	FACU	Prevalence Index = B/A =
15_	<u> </u>	FK -	Hydrophytic Vegetation Indicators:
<u>.5</u>	${}$	FACU_	1 - Rapid Test for Hydrophytic Vegetation
10	$\frac{I}{I}$	FAC.	2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0¹
	= Total Co		Problematic Hydrophytic Vegetation ¹ (Explain)
_ 20% o	f total cover	: <u>ZZ</u>	
70	<u> </u>	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Tree Weedy plonts evaluding vines 3 in (7.6 cm) or
			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.
<u>lo</u>	= Total Co	41	
20% o	f total cove	r:	
		gorin &	
15	<u> Y </u>	HOW	
10	. <u> </u>	<u>Kac</u>	
_5	<u>N</u>	FAC	
			Hydrophytic
30	= Total Co	ver .	Vegetation
	f total cove	<i>f</i> .	Present? Yes No

Madure	Pine	SIMME	with	Ne

Woody Vine Stratum (Plot size: 30

Remarks: (If observed, list morphological adaptations below).

Profile Desc	ription: (Describe t	o the depth	needed to docum	ent the Ir	ndicator	or confirm	n the absence	of indicato	rs.)	
Depth	Matrix			Features						
(inches)	Color (moist)		Color (moist)	%	Туре '	Loc	<u>Texture</u>		Remarks	
2-6_	10 YR 31		- \10 C\2				SMI IM			
0-17	7.5 YG1	70	5 YR 5/8	14	<u>C</u>	Δ	SMYCHY			
7-245	25 Y7//	<u>so_</u>	3 YR 178	10	<u> </u>	$\underline{\sim}$	Topico .			

				<u></u>		•••••				
1T 00					0		21	DI D		
	oncentration, D=Depl Indicators: (Applica					ains.			ning, M=Matrix matic Hydric \$	
Histosol		abio to un El	Polyvalue Be		-	RRSTI			-	
1	pipedon (A2)		Thin Dark Su					luck (A10) (•	
	stic (A3)		Loamy Mucky							ILRA 150A,B)
1	en Sulfide (A4)		Loamy Gleye		F2)				ain Soils (F19)	
_	d Layers (A5)	T 100	Depleted Mat		· C \			_	Loamy Soils (F	(20)
	Bodies (A6) (LRR P, ucky Mineral (A7) (LR		Redox Dark S Depleted Dar	,	•		•	RA 153B) arent Materi	al (TE2)	
E	esence (A8) (LRR U		Redox Depre				**********		Surface (TF1:	2)
1 —	ick (A9) (LRR P, T)	,	Marl (F10) (L		,			Explain in f		<i>'</i>
	d Below Dark Surface	e (A11)	Depleted Oct		•		_			
	ark Surface (A12)		Iron-Mangane						Irophytic veget	
3	rairie Redox (A16) (N Jucky Mineral (S1) (L							•	ogy must be pr ed or problemat	1
1	Gleyed Matrix (S4)	.K. O, O,	Delta Ochric Reduced Ver					oss distarbe	d or problema	
	Redox (S5)		Piedmont Flo							
1 1	Matrix (S6)		Anomalous B	right Loar	ny Soils i	(F20) (MLF	RA 149A, 153C	, 153D)		
	rface (S7) (LRR P, S								***************************************	
	Layer (if observed):									
Type:			_						V	
Depth (in	cnes):						Hydric Soil	Present?	Yes <u>×</u>	NO
Remarks:	1									
	Hydric	Soil	preside	***						
	*	390	•							

wrog002f_w



Wetland data point wrog002f_w facing east



Wetland data point wrog002f_w facing south

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: ACP	City/County: RONESON Sampling Date: 5/9/16
Applicant/Owner: Dominion	State: NC Sampling Point: Wrug002f-W2
Investigator(s): ESJ-K.Markham, K.murphley	Section Township Range: N.A.
Investigator(s).	Local relief (concave, convex, none): CONCAVE Slope (%): 0-2
Landform (nillslope, terrace, etc.): Der 1235-77	68 84 Long: -70.0538 Datum: W65 84
Subregion (LRR or MLRA): Lat: 31.76	NWI classification: PFO
Soil Map Unit Name: Lanchburg Sondy wor	
Are climatic / hydrologic conditions on the site typical for this time of year	
Are Vegetation, Soil, or Hydrology significantly of	disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pro	blematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	within a Wetland r res no
Remarks:	
NCWAM: Pine Flat	
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	
High Water Table (A2) Marl Deposits (B15)	
Saturation (A3) Hydrogen Sulfide O	
	eres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduce	
☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface ☐ Iron Deposits (B5) ☐ Other (Explain in Re	
☐ 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)	: NA
Water Table Present? YesNo Depth (inches)	: 720
Saturation Present? Yes No Depth (inches)	: Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photo:	s, previous inspections), if available:
Remarks:	
	1

	Absolute	Dominant	Indicator	Dominance Test worksheet:
1. Pinus facea	% Cover	Species		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 That Are OBL, FACW, or FAC: 10000 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8				
	30	= Total Co	ver	OBL species x 1 =
50% of total cover: 15	20% of	total cove	r:_6_	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 3014 X 3064)		. /		FAC species x 3 =
1. CLUETCUS MIGHA	30		FAC	FACU species x 4 =
2. Liquidambar Styracitica	15	N	FAC	UPL species x 5 =
3. Morella cerifera	5	1	FAC	Column Totals: (A) (B)
4. Heer rublum	15	N	FAC	Prevalence Index = B/A =
5. Symplocos tinctoria	-0	-/\/	FACIN	Hydrophytic Vegetation Indicators:
6. Clethra alnifolia	>	_ / V	HICO	Rapid Test for Hydrophytic Vegetation
7		-		2 - Dominance Test is >50%
8				☐ 3 - Prevalence Index is ≤3.01
T		= Total Co		Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 4C	20% of	total cove	r: <u>16</u>	
Herb Stratum (Plot size: 3054 X 3054)	00	\ /	:	¹ Indicators of hydric soil and wetland hydrology must
1. Clethra alnifolia	30		FACW	be present, unless disturbed or problematic.
2. Arundinaria gigantea		N	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), 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			de ser de la company de la	M. I. I. Allowed wines and testing 2 20 ft in
11			3	Woody vine – All woody vines greater than 3.28 ft in height.
12				
12.	31	= Total Co	Ver	
50% of total cover: 15.		total cove	-	
Woody Vine Stratum (Plot size: 304 1/3044)		total cove		
1. Smile V volundisolia	5	1	FAC	
1. Station & Today State of the			1110	
2				
3				
4				
5				Hydrophytic
	-34	= Total Co	1	Vegetation Present? Yes No
50% of total cover: 2.		total cove	r:	11000111
Remarks: (If observed, list morphological adaptations belo	w).			

SOIL III III III III III III III III III	Un		ndla-t	or oo-f-	the sheepes =	findicators)
Profile Description: (Describe to the dept				or contirm	the absence o	indicators.)
Depth Matrix	Redo	x Features		Loc²	Texture	Remarks
(inches) Color (moist) %	Color (moist)	%	Type	LOC	4 . 1	Remarks
0-6 104R2/1 100					SCL '	
6-20 2.545/2 90	WR4/6	10	C	M	50	
0 00						
¹ Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, M	S=Masked	Sand G	rains.		PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless othe	rwise not	ed.)	V2.3/4-1	Indicators f	or Problematic Hydric Soils3:
Histosol (A1)	☐ Polyvalue B			LRR S, T, U) 1 cm M	uck (A9) (LRR O)
Histic Epipedon (A2)	Thin Dark S					uck (A10) (LRR S)
Black Histic (A3)	Loamy Mucl				Reduce	d Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)	Loamy Gley				Piedmo	nt Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)	Depleted Ma				Anomal Anomal	ous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark		-6)		(MLR	A 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U)						rent Material (TF2)
Muck Presence (A8) (LRR U)	Redox Depr	essions (F			7	nallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	☐ Marl (F10) (Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	☐ Depleted O					
Thick Dark Surface (A12)	☐ Iron-Manga					ators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150)			•			and hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochrid					ess disturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Ve					
Sandy Redox (S5)	Piedmont F					
Stripped Matrix (S6)	Anomalous	Bright Loa	my Soils	(F20) (MLR	A 149A, 153C,	1530)
Dark Surface (S7) (LRR P, S, T, U)				6		
Restrictive Layer (if observed):						
Туре:						
Depth (inches):					Hydric Soil	Present? Yes No
Remarks:					•	
B. Committee of the com						

Environmental Field Surveys Wetland Photo Page



Wetland data point wrog002f_w2 facing northeast.



Wetland data point wrog002f_w2 facing northwest.

WEILAND DETERMINATION		0	•
Project/Site: /TCP	City/County:	Kobeson	Sampling Date: 9/69/201
Applicant/Owner: Dominica			C Sampling Point: Wrog 002
Investigator(s). DUWest	Section, Towns	hip Range	
Landform (hillslope, terrace, etc.):	Local relief (cor	cave convex none): F	lat Slope (%):
Subregion (LRR or MLRA) LRRT La	34046 21.4	\$57Nong 790031	04.214"W Datum:
		NWI d	DOC
Are climatic / hydrologic conditions on the site typical for this			addition .
Are Vegetation, Soil, or Hydrology sig			
Are Vegetation, Soil, or Hydrology na	•		nces" present? Yes X No
		(If needed, explain any a	,
SUMMARY OF FINDINGS – Attach site map s	howing sampling p	oint locations, trans	sects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes ✓ No Yes ✓ No	within	ampled Area Wetland? Yes	No
The three criteria are within a wetland.	present. T.	he sumpling	point is located
LIVERGLAGI	***************************************		
HYDROLOGY			
Wetland Hydrology Indicators:	-11		Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all th			e Soil Cracks (B6)
1 -	auna (B13)		ely Vegetated Concave Surface (B8)
	osits (B15) (LRR U) n Sulfide Odor (C1)	[]	ge Patterns (B10)
	Rhizospheres along Livin	F	Trim Lines (B16) eason Water Table (C2)
	of Reduced Iron (C4)		sh Burrows (C8)
	on Reduction in Tilled So		ition Visible on Aerial Imagery (C9)
	k Surface (C7)	· ' [77	orphic Position (D2)
	(plain in Remarks)	=	w Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	pioni ni riomanoj		leutral Test (D5)
Water-Stained Leaves (B9)		7-1	num moss (D8) (LRR T, U)
Field Observations:			11311 111000 (20) (21111 1, 0)
Surface Water Present? Yes No Dept	th (inches):		
Water Table Present? Yes No ★ Dept		_	
Saturation Present? Yes No 🛧 Dept			Present? Yes 🛧 No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, ac			
g-zgs, noming nom, as	shat photos, provides maj	oconomoj, a avanable.	
Remarks:			
Wetland hydrology	present.		

Sampling Point: Wrog 0025_W VEGETATION (Four Strata) - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status 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 _____ x 1 = _____ = Total Cover FACW species _____ x 2 = ____ 50% of total cover: _____ 20% of total cover: FAC species _____ x 3 = ____ Sapling/Shrub Stratum (Plot size: 30 FACU species _____ x 4 = ____ Curilla racomifolora 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 30 = Total Cover Problematic Hydrophytic Vegetation¹ (Explain) 50% of total cover: 15 20% of total cover: Herb Stratum (Plot size. ¹Indicators of hydric soil and wetland hydrology must Clethra aloifolia be present, unless disturbed or problematic. Pteridina aguilinium 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 THE RESIDENCE OF THE PROPERTY 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 50% of total cover: Woody Vine Stratum (Plot size 1 Smilar votundifolia Hydrophytic /6 = Total Cover Vegetation 50% of total cover: 5 __ 20% of total cover: Remarks (If observed, list morphological adaptations below). Hydrophytic vegetation is dominant.

Sampling Point: Wrog 0025 - W

Profile Desc	cription: (Describe to	the depth ne	eded to docur	nent the indicator	or confirm	the absence of ind	icators.)	
Depth	Matrix			x Features				
(inches)	Color (moist)		olor (moist)	%Type	<u>l_oc²</u>	Texture	Remarks	
0-B"	104R 4/1					S. loam		
8->18'	104185/2					5/-		
0).10mg		
				-	-			
THE PROPERTY AND A STATE OF TH								
	. A Artist Property and Control of the Control of th			******************				
**** **********************************	THE TAXABLE PARTICULAR CONTRACTOR OF THE PART							
ļ				·	* ****			
Type: C=C	anacatration D=Danla	tion DM-D-d				2		
Hydric Soil	oncentration, D=Deple Indicators: (Applicat	No to all I BB	uced Matrix, Ms	S=IVIasked Sand G	rains.		ore Lining, M=Matrix	
		חפונט מוו בתא					oblematic Hydric S	iolis":
Histosol	• •	<u>_</u>		low Surface (S8) (, ——— ,		
; ==	pipedon (A2)	} =		ırface (S9) (LRR S		2 cm Muck (A		
<u> </u>	istic (A3)	<u> </u>		y Mineral (F1) (LR	R 0)	7	tic (F18) (outside N	•
-	en Sulfide (A4)	<u> </u>		ed Matrix (F2)			odplain Soils (F19)	
	d Layers (A5) Bodies (A6) (LRR P, 1	, ,,, 	Depleted Ma				right Loamy Soils (F	-20)
	ucky Mineral (A7) (LRR JCky Mineral (A7) (LRR		Redox Dark			(MLRA 153	•	
	resence (A8) (LRR U)	(P, 1, U)		rk Surface (F7)		- 11	Material (TF2)	21
	uck (A9) (LRR P, T)	F	Redox Depre				Dark Surface (TF1)	4)
	d Below Dark Surface	(Δ11) 		.RR 0) hric (F11) (MLRA 1	E4\	Uther (Explai	n in Remarks)	
	ark Surface (A12)	```'		ese Masses (F12)	•	T) 3Indicators (of hydrophytic veget	ation and
***************************************	rairie Redox (A16) (ML	RA 150A) T		ice (F13) (LRR P,		•	ydrology must be pr	
	Mucky Mineral (S1) (LR			(F17) (MLRA 151)			turbed or problemat	
	Gleyed Matrix (S4)	···· 0, 0, †		rtic (F18) (MLRA 1			turbed or problemat	ic.
	Redox (S5)	Ť		podplain Soils (F19				
	Matrix (S6)	†				A 149A, 153C, 153D	1	
	irface (S7) (LRR P, S,	T, U)		ong Loam, cond	(1 20) (111211	,, 140,, 1000, 100D	′	
	Layer (if observed):							
Type:	, ,			•				
	chocl							
	ches).	**************		ententent i per depot de transportor i sonosto de las transportor de la compositor de la co	an - a or day participad dy transplatendada - a sa	Hydric Soil Prese	nt? Yes X	No
Remarks								
	1001	e	1					
1 7/7	idric Soil	13 Pr	esent.					
		/						
}								
1								

wrog002s_w



Wetland data point wrog002s_w facing east



Wetland data point wrog002s_w facing south

Wrog002s_w soils



Wetland soils

WEILAND DETERMINATION DATA	FORM – Atlanti	c and Gulf Coastal Pl	ain Region 9/4/16
Project/Site: ACP	City/County:	abeson	Sampling Date
Applicant/Owner: Downson (CPP)	MINIAM	State: M C	Sampling Point: Ur 5,002.
Investigator(s) DD Vest (CPP)		Range: Shanon	
Landform (hillslope, terrace, etc.): 3,10,5100	Local relief (concav	e, convex, none): <u>\$\offersetarrow()</u>	2) Slope (%): 2%
Subregion (LRR or MLRA): ART Lat: 351	46'05,459"	Long: 79003 1	7.\78 Datum:
Soil Map Unit Name: RAIAS			cation: N/A
Are climatic / hydrologic conditions on the site typical for this time of y	rear? Yes X N		
Are Vegetation, Soil, or Hydrology significantl			present? Yes No
Are Vegetation, Soil, or Hydrology naturally p		f needed, explain any answe	
		•	·
SUMMARY OF FINDINGS – Attach site map showin	g sampling poir	nt locations, transects	s, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Non welland present.	Is the Samp within a We		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soi	
Surface Water (A1) Aquatic Fauna (B			egetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B			atterns (B10)
Saturation (A3) Hydrogen Sulfide		Moss Trim t	
·	heres along Living R		Water Table (C2)
Sediment Deposits (B2) Presence of Redu Drift Deposits (B3) Recent Iron Redu	uced fron (C4) uction in Tilled Soils (Crayfish Bu	/isible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surfac	•		c Position (D2)
Iron Deposits (B5) Other (Explain in		Shallow Aq	
Inundation Visible on Aerial Imagery (B7)	,	FAC-Neutra	·
Water-Stained Leaves (B9)			moss (D8) (LRR T, U)
Field Observations:	A		
Surface Water Present? Yes No Depth (inche	rs):		
Water Table Present? Yes No Depth (inches	(s): 224		~
Saturation Present? Yes No Depth (inche	es): 224	Wetland Hydrology Prese	ent? Yes No <u>×</u>
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspect	ions), if available:	
Remarks:			

٧	EGET#	TION	(Four	Strata)	 Use	scientific	names	of plants
•			ıı vui	ULI ULU	 000	SOICHILING	HUHLUS	OI DIGITIO

Sampling Point: Urog002_U

Tree Stratum (Plot size: 30')		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 70)	% Cover ② ∅	Species?	Status 	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. QUELCUS ATACK	25	$\overline{}$	PAC	marve obe, rrow, or rro.
3. Liquidantar styracition	10	N	FAC	Total Number of Dominant Species Across All Strata: (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8.	-00.400			OBL species x 1 =
7 (***		= Total Cov		FACW species x 2 =
50% of total cover: 21.2	>_ 20% of	ftotal cover	: <u>/ /</u>	FAC species x 3 =
Sapling/Shrub Stratum, (Plot size: 50)	No. of the last of		T	1
1. Liquidunour styraciflua			TAC	FACU species x 4 =
2. Viccinium caryndasum		$\frac{1}{\lambda}$	HCW	UPL species x 5 =
3. Myrica cerifera			FAC	Column Totals: (A) (B)
4. Obercus Arma		$\overline{\mathcal{N}}$	PA-C	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
	<u> 60</u>	= Total Co	ver	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover:	20% o	f total cove	:	
1. Clera un fela	20	Ý	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2				Definitions of Four Vegetation Strata:
3				Tree Meady plants evaluding vines 2 in (7.6 cm) or
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
5				Sapling/Shrub – Woody plants, excluding vines, less
7.				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
9.				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.	7.	*		
500, (1.1.)		= Total Co	ver	
50% of total cover: 10 Woody Vine Stratum (Plot size: 50 /)	20% 0	f total cove	r:	
Woody Vine Stratum (Plot size: 50') 1. Vilis Davidida	10	\ <u>/</u>	Eli	
	10	· y	CA	
2 botsonium simpervience		_ 	FILE	
3				
4				
5				Hydrophytic
		= Total Co		Vegetation Present? Yes No
50% of total cover:	20% c	of total cove	r: <u>{/</u>	Present? Yes No
Remarks: (If observed, list morphological adaptations bel	ow).			
less duse unde	e gary	tha	n N	eady wetfal wea
	······································			

Sampling Point: Wrog 002_

	Matrix Color (moist) %	Redox Features Color (moist) % Type Loc²	
(inches)	TO YR3/2 100		X/Y IM
- 1S 1			<u> </u>
5-18-	10 883/4 100)	_ SN/r Im
r			2,
		RM=Reduced Matrix, MS=Masked Sand Grains. all LRRs, unless otherwise noted.)	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis ³ :
Histoso		Polyvalue Below Surface (S8) (LRR S,	•
	pipedon (A2)	Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
	istic (A3)	Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B
	en Sulfide (A4)	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)	Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
	Bodies (A6) (LRR P, T, U)	Redox Dark Surface (F6)	(MLRA 153B)
	ucky Mineral (A7) (LRR P, T, resence (A8) (LRR U)	, U) Depleted Dark Surface (F7) Redox Depressions (F8)	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
	ick (A9) (LRR P, T)	Marl (F10) (LRR U)	Other (Explain in Remarks)
	d Below Dark Surface (A11)		
Thick D	ark Surface (A12)	Iron-Manganese Masses (F12) (LRR O	P, P, T) ³ Indicators of hydrophytic vegetation and
	rairie Redox (A16) (MLRA 1		wetland hydrology must be present,
_	Mucky Mineral (S1) (LRR O,	· — · · · · ·	unless disturbed or problematic.
	Gleyed Matrix (S4) Redox (S5)	Reduced Vertic (F18) (MLRA 150A, 15 Piedmont Floodplain Soils (F19) (MLRA	•
	Matrix (S6)	Anomalous Bright Loamy Soils (F20) (N	•
Dark Su	rface (S7) (LRR P, S, T, U)		, ,
Restrictive	Layer (if observed):		
Туре:			
Depth (in	ches):		Hydric Soil Present? Yes No
Remarks:			

wrog002_u



Upland data point wrog002_u facing east



Upland data point wrog002_u facing south

wrog002 soils



Wetland/upland soils

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: ACP City/	County: Robeson Sampling Date: 5/9/16 State: NC Sampling Point: Wroguoz-u2
Applicant/Owner: Dominion	State: N Sampling Point: Wroguog-42
Investigator(s): ESL-15, MAYENBAY, IS, MULTER FOR	tion Township Range: N#T
Landform (hillsland torresp etc.): El Ot	al relief (concave convex none):
Subregion (LRR or MLRA): LRR P Lat: 34,762	371 Long: -79.05344 Datum: W65 84
Soil Map Unit Name: Lynchould Sondy 1000	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly distr	
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling 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:	William Co.
LWPPOLOGY.	
HYDROLOGY	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators:	Surface Soil Cracks (B6)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Marl Deposits (B15) (LF	
Saturation (A3) Hydrogen Sulfide Odor	
	along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduced I	
☐ Drift Deposits (B3) ☐ Recent Iron Reduction	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	
☐ Iron Deposits (B5) ☐ Other (Explain in Rema	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
☐ Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	10
Surface Water Present? Yes No Depth (inches):	20
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):	15/1 No. 110 N
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:
Remarks:	
8	

2	Absolute	Dominant	Indicator	Dominance Test worksheet:
1. PINUS LORGO	% Cover	Species	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1. PINOS FORCOS	13	4	FAC	That Are OBL, FACW, of FAC.
2. Liquidombar syrocifica 3. Quercus nigra	40	Ý	FAC	Total Number of Dominant Species Across All Strata: (B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.				That 740 ODE; 171071; UTTO
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	70	= Total Co	ver	OBL species x 1 =
50% of total cover: _ 3	5 20% 0	total cove	14	FACW species x 2 =
50% of total cover.	2070 0	total cove		FAC species x 3 =
Sapling/Shrub Stratum (Plot size 3084 X 2064)	6	N	FAC	FACU species x 4 =
1. Symplocos tinctoria		-14		UPL species x 5 =
2 Liquidambor Stureristua		7	FAC	Column Totals: (A) (B)
3. Ilex opaca	5	_()	FAC	Column Totals(A)(D)
4. QUETCUS NIGTA	2	N	FAC	Prevalence Index = B/A =
5. Morella cerifera	5	N	FAC	Hydrophytic Vegetation Indicators:
6. Vaccinium corymbosam	5	N	FACW	Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8.				3 - Prevalence Index is ≤3.0¹
0.	75	= Total Co		
50% of total cover: 37.				Problematic Hydrophytic Vegetation ¹ (Explain)
	20% 0	total cove	r:	
Herb Stratum (Plot size 305+ X308+)	2/)	V	Theil	¹ Indicators of hydric soil and wetland hydrology must
1. Ciethra alnisolia	30	7	FACW	be present, unless disturbed or problematic.
2. Pteridium oqualinium	2	N	FACU	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				
The state of the s	32	= Total Co	ver	
50% of total cover:((20% 0			
Woody Vine Stratum (Plot size: 20 94 X 3084)		10141 0010		
1. Smilax lotundisvica	15	U	TAC	
	-10	-	EAC	
2. Vitis rotundifolia -		<u> </u>	13TC	
3. Smilax glauca	5	4	FHC	
4.				
5.		Material Carlos Carlos Carlos	3070 74 0127-2-1220	Hydrophytic
	25	= Total Co	ver	Vegetation
50% of total cover: (2 -			-	Present? Yes No
		i total cove	-	
Remarks: (If observed, list morphological adaptations bel	ow).			

epth	cription: (Describe		Redo	x Feature	5			
nches)	Color (moist)	%	Color (moist)	%	Type	Loc²		Remarks
1-6	104R2/1	100					<u> </u>	
0-14	104R4/3	80	104R4/6	20	<_	M	SCL	
4-20	M484/2	80	104R4/6	20		M	SC_	
dric Soil	oncentration, D=De Indicators: (Appli	pletion, RMs	LRRs, unless other	erwise not	ed.)		Indicators for	Pore Lining, M=Matrix. Problematic Hydric Soils ³ :
Black H Hydrog Stratifie Organic 5 cm M Muck P 1 cm M Deplete Thick D Coast F Sandy Sandy Strippe	I (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) e Bodies (A6) (LRR I) ucky Mineral (A7) (L resence (A8) (LRR P, T) d Below Dark Surfa eark Surface (A12) Prairie Redox (A16) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P,	.RR P, T, U) U) ce (A11) (MLRA 150 (LRR O, S)	Redox Depi Marl (F10) (Depleted Or Iron-Manga Umbric Surl Delta Ochric Reduced Vo	urface (S9, ky Mineral red Matrix (F3) atrix (F3) s Surface (Fark Surface ressions (FLRR U) chric (F11) nese Mass face (F13) c (F17) (Miertic (F18) loodplain S	(MLRA 1) (LRR F, T) (MLRA 1)	T, U) 51) (LRR O, P, , U) 50A, 150B	2 cm Muck Reduced V Piedmont I Anomalous (MLRA 1 Red Paren Very Shall Other (Exp. T) 3 Indicator wetland unless	(A10) (LRR S) Vertic (F18) (outside MLRA 150A,B; Floodplain Soils (F19) (LRR P, S, T) is Bright Loamy Soils (F20) 153B) It Material (TF2) ow Dark Surface (TF12) olain in Remarks) Its of hydrophytic vegetation and thydrology must be present, disturbed or problematic.
estrictive Type:	Layer (if observed):						
Depth (in	nches):		<u></u>				Hydric Soil Pre	esent? Yes No



Upland data point wrog002_u2 facing south.



Upland data point wrog002_u2 facing west.

		City/County: Roleson Co. Sampling Date: 9/9/14
Landform (hillslope, terrace, etc.)	4. 200 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -	State: NC Sampling Point: Wrog0011
Are classification:	Investigator(s): 1)1) West (CIV)	Section, Township, Range:
Are classification:	Landform (hillslope, terrace, etc.): Ying flat	Local relief (concave, convex, none): + aT Slope (%): C 1/s
Are classification:	Subregion (LRR or MLRA): $\angle RR = 1$ Lat:	45° 36.277" Long: 79°03°21.295" Datum: —
Are Vegetation 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? Yes No Within a Welland? Yes No Within a Welland? Yes No Within a Welland? Yes No Surface Soil Cracks (B6) Fermarks: Soil Present? Yes No No Within a Welland? Yes No Surface Soil Cracks (B6) Frimary 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) Hydrogen Sulfide Odor (C1) Moss Pratterns (B10) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9) Agail Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Inon Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Semarks: Wetand Hydrology Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Secondary Indicators, important features, and within a Welland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Indicators. Well Are Table (Inches): Wetland Hydrology Indicators. Well Are Table (Inches): Wetland Hydrology Indicators. Well Are Table (Indicators (Ininimum of Inches): Wetland Hydrology Indicators. Well Are Table (Indicators (Ininimum of Inches): Wetland Hydrology Indicators. Well Are Table (Indicators (Ininimum of Inches): Wetland Hydrology Indicators. Well Are North Area (Indicators (Ininimum of Inches): Wetland Hydrology Indicators. Well Area (Indicators (Ininimum of Indicators (Indicators (Ininimum of Inches): Well Area (Indicators (Ininimum	Soil Map Unit Name:	
Are Vegetation 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? Yes No Is the Sampled Area within a Wetland? Yes No Within a Wetland? Yes No No Within a Wetland? Yes No	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 Hydrologynaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrorhytic Vegetation Present?		
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Hydric Soil Present? Welland Hydrology Present? Welland Hydrology Present? Welland Hydrology Present? Welland Hydrology Present? Welland Hydrology Present? Welland Hydrology Indicators: Primary Indicators (minimum of one is required, check all that apply) Surface Water (A1) Aqualic Fauna (B13) High Water Table (A2) Mart Deposits (B15) Water Marks (B1) Sediment Deposits (B2) Presence of Reduced Iron (C4) Sediment Deposits (B3) Algal Mat or Crust (B4) Inundation Visible on Aerial Imagery (B7) Water Stalined Leaves (B9) Field Observations: Wetland Hydrology Present? Water Table Present? Yes No Depth (inches): Water Marks (B1) Water Present? Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Westland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Bemarks:		
Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Defended Fresent	SUMMARY OF FINDINGS - Attach site map showing	g sampling point locations, transects, important features, etc.
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required, check all that apply) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Sparsety Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) 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) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Hydric Soil Present? Yes X No	is the Sampled Area
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required, check all that apply) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Sparsety Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) 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) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Remarks: Data point college) in	pine flot. Average obh 6.8.
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? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes		
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13) Byarsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Saturation (A3) Hydrogen Sulfide Odor (C1) Sediment Deposits (B1) Presence of Reduced Iron (C4) Presence of Reduced Iron (C4) Aquatic Fauna (B13) Presence of Reduced Iron (C4) Presence of Reduced Iron (C4) Agal 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): Saturation Present? Yes No Depth (inches): Semarks: Surface Soil Cracks (B6) Sprasely Vegetated Concave Surface (B8) Drainage Patterns (B10) Drainage Patterns	HYDROLOGY	
Surface Water (A1)	Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
High Water Table (A2)	Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Saturation (A3)	Surface Water (A1) Aquatic Fauna (B1	
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) Shallow Aquitard (D3) FAC-Neutral Test (D5) Shagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Remarks:		
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) Shallow Aquitard (D3) Yes No Shallow Aquitard (D3)	1	1
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) YEAC-Neutral Test (D5) Shagnum moss (D8) (LRR T, U)		
Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Shallow Aquitard (D3) FAC-Neutral Test (D5) Shagnum moss (D8) (LRR T, U)		
Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) YAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Sphagnum moss (D8) (LRR T, U) Sphagnum moss (D8) (LRR T, U) Yes No Depth (inches): Yes No Periodical Present? Yes No No Yes No Periodical Present? Yes No Yes No Yes No No Yes Yes No Yes Yes No Yes		
Inundation Visible on Aerial Imagery (B7) 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:		· ·
Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes NoX Depth (inches): Water Table Present? Yes NoX Depth (inches): Saturation Present? Yes NoX Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	I .	
Surface Water Present? Yes No _X Depth (inches): Water Table Present? Yes No _X Depth (inches): Saturation Present? Yes No _X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:		
Water Table Present? Yes No _X Depth (inches): Saturation Present? Yes No _X Depth (inches): Wetland Hydrology Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:		
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Water Present? Yes No _X Depth (inche	8):
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:		s): Wetland Hydrology Present? Yes No
Seasonal fluenchian of when table appears to be greater than 2'.		tos, previous inspections), if available:
Seasonal fluenation of when table appears to be greater than 21.	Remarks:	
be greater than 2',	Scasonal fluenation of	under table appears to
	be greater than 2'	
	· ·	

EGETATION (Four Strata) – Use scientific				Sampling Point: Wrog
ree <u>Stratum</u> (Plot size:)		Dominant Ir Species?		Dominance Test worksheet:
(FIOUSIZE.	60	Species:	Latus	Number of Dominant Species
	Ann.	\	Process.	That Are OBL, FACW, or FAC: (A)
The second secon				Total Number of Dominant
				Species Across All Strata: (B)
				D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B
				THAT ALE OBL, FACVI, OF FAC.
				Prevalence Index worksheet:
				Total % Cover of:Multiply by:
***************************************				OBL species x 1 =
•		= Total Cove		FACW species x 2 =
50% of total cover:	<u>0</u> 20% of	total cover: _	20	I
apling/Shrub Stratum (Plot size:)				FAC species x 3 =
Pins tagla	15	XN	FAC	FACU species x 4 =
Acer rubrum	75	$\overline{}$	FAC	UPL species x 5 =
Vaccioum corresposion			FACU	Column Totals: (A) (B)
Symploses Tictoria			FAC	
				Prevalence Index = B/A =
Myrica confera	_ 10_		FAC	Hydrophytic Vegetation Indicators:
Ilex glabic	_ 15_	1 MK	KW/	1 - Rapid Test for Hydrophytic Vegetation
<u> </u>				12 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.01
	95	= Total Cove	r	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 🛂	2.5 20% of	total cover:	19	Problematic Hydrophytic Vegetation (Explain)
erb Stratum (Plot size:)		•		Indicators of hydric soil and wetland hydrology must
Clethra Unitalia	15	- Y - \$	ACW	be present, unless disturbed or problematic.
				Definitions of Four Vegetation Strata:
				Deminions of Four Vegetation Strata.
				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) of
				more in diameter at breast height (DBH), regardless o
				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, regardles:
				of size, and woody plants less than 3.28 ft tall.
)				Woody vine - All woody vines greater than 3.28 ft in
1				height.
2	<u> </u>			
50% of total cover:		= Total Cover total cover:	(m)	
50% of total cover:	<u>~ 2</u> 20% of	total cover:		
Voody Vine Stratum (Plot size:)	1>	Λ	CIA	
Smiles solundifolia	_ 10	<u>×</u>	IMC	
				Hydrophytic
	- 10	= Total Cove	er	Vegetation .
50% of total cover:				Present? Yes No
		total cover:		
lemarks: (If observed, list morphological adaptations				
Marvie A. essaya	+ 21	: Parly ?	CA 1.	orded outside lua plut
		<i>(</i>	Ť	The second of th

1	ription. (Describe	to the depti	i ileeded to docun	nent the	indicator	or contirn	n the absence of	indicators.)
Depth	Matrix		Redo	x Feature				•
(inches)	Color (moist)	<u> </u>	Color (moist)	%	Type'	Loc ²	Texture	Remarks
0-6	10 XK 2/1	100 -	/				Sondy loan	<u> </u>
6-12	-2.5 × 91	<u> 50</u> _	2 1698	10			Suy clay	sedox wf
	10 4 (1/1	<u> 30 </u>						organic streaking
12-244	7.5 16/1	80	5 YR 6/8	20			chylon	V /
	TOTAL SEA	W AP-1 Medicine orbital program to the house and the second		*****				
	AND THE 6			***************************************				
17 0 0		<u> </u>						
Hydric Soil	oncentration, D=Dep	oletion, RM=F	Reduced Matrix, MS	S=Masked	Sand Gr	ains.		=Pore Lining, M=Matrix.
Histosol	ndicators: (Applic	able to all L						r Problematic Hydric Soils ³ :
	pipedon (A2)		Polyvalue Be Thin Dark Su	low Surta	.ce (S8) (L	.RR S, T, I	1	k (A9) (LRR O)
Black Hi			Loamy Muck	y Mineral	(F1) (LRF	1, 0) (O)		:k (A10) (LRR S) Vertic (F18) (outside MLRA 150A
tame?	n Sulfide (A4)		Loamy Gleye	d Matrix	(F2)	/		Floodplain Soils (F19) (LRR P, S,
	Layers (A5)		Depleted Mar	, ,			1 1	us Bright Loamy Soils (F20)
5 cm Mu	Bodies (A6) (LRR Picky Mineral (A7) (LF	', I, U) RP T III	Redox Dark S				(MLRA	
Muck Pr	esence (A8) (LRR U	J)	Redox Depre				1 1 1	nt Material (TF2) llow Dark Surface (TF12)
1 cm Mu	ck (A9) (LRR P, T)		Marl (F10) (L		٥,			plain in Remarks)
	Below Dark Surfac	e (A11)	Depleted Och					,
	ark Surface (A12) rairie Redox (A16) (f	MI DA 450A)	Iron-Mangan	ese Mass	es (F12) (LRR O, P		ors of hydrophytic vegetation and
Sandy N	lucky Mineral (S1) (I	VILKA 150A) LRR O. SI	Umbric Surfa Delta Ochric			, U)		d hydrology must be present.
Sandy G	lleyed Matrix (S4)	_,,,,	Reduced Ver			0A. 150B		disturbed or problematic.
	edox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 1	49A)	
	Matrix (S6)	. ~	Anomalous B	Bright Loa	my Soils (F20) (MLF	RA 149A, 153C, 1	53D)
	rface (S7) (LRR P, S ayer (if observed)							
1								
	ches).						Liveria Cali De	esent? Yes <u>×</u> No
Remarks					100 x x x x x x x x x x x x x x x x x x	***************************************	nyunc son Fr	esentr res / NO
	Carulas							
		701		I	/			
	5-7	701 A	it enco	א איני	ue]			
	<i>J</i> • <i>,</i> • · · •	101 A	it enco	e Pa uc	ve]			
	J. 7. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	101 A	it enco	e Provi	ve]			
	<i>J</i> , , , , , , ,	101 A	ence	גריז טע	ve]			
	<i>J</i> , , , , , , ,	COA A	it enco	N .	vel			
	<i>J</i> , , , , , , ,	TON A	it enco	ה לי טע	vel			
		ron a	it enco	גרי טע	ve]			
		ion a	enco	גריז ניט	rres			
		ion a	it enco	1. Pr 1. W	es ee S			
		rox a	it enco	h w	vel			
		ion a	ence	ה ריז מיט	vel			
		101 A	it enco	h 194	res			
		101 A	it enco	1. Pr 1. U	res			
		101 A	it enco	1 Pr UV	res			
		10A A	it enco	1 h w	vel			
		101 A	ence	1 Pr 1 U	vel			
		101 A	ence	1 Pr 100	rel			
		ion a	it enco	1 Pr 100	res			
		ion a	it enco	1 Pr UV	res			

wrog001f_w



Wetland data point wrog001f_w facing east



Wetland data point wrog001f_w facing south

Project/Site: ACP City/C	State: NC Sampling Point: Wrog 001f_W
Applicant/Owner: Dominion	State: NC Sampling Point: Wrog 001fW
Investigator(s): EST-K. Markham, K. Murphrey Secti	ion Toumship Banga: NA
investigator(s): Section Class	I relief (concave, convex, none): CONCOVE Slope (%): O-2
Landform (hillslope, terrace, etc.): Total	Long: -79.05508 Datum: N658
	/1-
Soil Map Unit Name: Lynchburg Sondy Loan	
Are climatic / hydrologic conditions on the site typical for this time of year?	fes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No No	within a Wetland? Yes No
Remarks:	
1 - 1 - 2 - 2 - 2 - 2 - 1	
NCWAM: Pine Flot	
HYDROLOGY	to the transfer of the populated)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8)
Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Marl Deposits (B15) (LR	
☐ High Water Table (A2) ☐ Marl Deposits (B15) (LR ☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (
Water Marks (B1) Oxidized Rhizospheres a	
Sediment Deposits (B2)	
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in	n Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	
Iron Deposits (B5) Uher (Explain in Remark	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Water-Stained Leaves (B9)	Spriagram moss (Bb) (Erric 1, 0)
Surface Water Present? Yes No Depth (inches): _N	A
Water Table Present? Yes No Depth (inches):	20
Saturation Present? Yes V No Depth (inches): 4	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	avious inspections), if available:
Remarks:	
	in the second se

2

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 305+ X 305+ 1. Pinus toeda		Species		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. QUESCUS Nigra	30	4	FAC	Total Number of Dominant
3				Species Across All Strata: (B)
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.				1141746 652,171671, 611716.
7				Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
B	50	= Total Co	Ver	OBL species x 1 =
50% of total cover: _25			. ^	FACW species x 2 =
	20% 0	total cove	10	FAC species x 3 =
Sapling/Shrub Stratum (Plot size 308+X308+) 1. SYMPLOCOS + inctoria	10	N	TAC	FACU species x 4 =
	15	7	FAC	UPL species x 5 =
2 Acer lubrum	15	1	FAC	Column Totals: (A) (B)
3. Liquidambar styracista	10	X	FAC	
4. NUSSO Sylvatica	10	N	1 There	Prevalence Index = B/A =
5. Vaccinium corymbosum	2	-14	FACW	Hydrophytic Vegetation Indicators:
6. Quercus nigral	20	-/-	FAC	-Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.01
		= Total Co		Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 37.4	20% of	total cove	1.5	
Herb Stratum (Plot size: 3084 × 3064)	_			¹ Indicators of hydric soil and wetland hydrology must
1 Ptecidium aquilinum	5	N	FACU	be present, unless disturbed or problematic.
2. Itek glabro	15	4	FACW	Definitions of Four Vegetation Strata:
3. Clethra alnifolia	20	4	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4.		-		more in diameter at breast height (DBH), regardless of
5.		A STATE OF THE STA		height.
6.				Sapling/Shrub – Woody plants, excluding vines, less
7.				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
The second section of the sect		APPEND OF THE		
8				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9				
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12	110			
20		= Total Co		
50% of total cover: 20	20% of	total cove	r	
Woody Vine Stratum (Plot size: 3084 X 3064)	. (1)	\/	EN.	
1. Smiler rotundisolia	10		FAC	
2. Gelsemium Sempervivens	5	7	FAC	
3. Vitis rotardiforia		7	FAC	
4				
5				Hydrophytic
	20	= Total Co	ver	Vegetation
50% of total cover:	20% 0	f total cove	r: H	Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
Tremains. (II observed, list morphological adaptations solo	,.			

Depth	Matrix			ox Feature	s		the absence of	B
inches)	Color (moist)	%_	Color (moist)	%	Type	Loc²	Texture .	Remarks
2-8	104R2/1	100					SL.	
3-20	104R 5/2	80	104R4/6	20	_ <	\sim	SCL	
	-						21	PL=Pore Lining, M=Matrix.
ype: C=C	Concentration, D=Dep Indicators: (Applic	oletion, RM	=Reduced Matrix, M	IS=Maske	d Sand Gr	ains.	Indicators f	or Problematic Hydric Soils ³ :
		cable to all	Polyvalue B			DDS T I		uck (A9) (LRR O)
Histoso	pipedon (A2)		Thin Dark S					uck (A10) (LRR S)
	listic (A3)		Loamy Muc				Reduce	d Vertic (F18) (outside MLRA 150A,B
	en Sulfide (A4)		Loamy Gley					nt Floodplain Soils (F19) (LRR P, S, T)
Stratifie	ed Layers (A5)		Depleted M				-	lous Bright Loamy Soils (F20)
	Bodies (A6) (LRR F		Redox Dark					A 153B) rent Material (TF2)
	ucky Mineral (A7) (L resence (A8) (LRR I		Depleted Da Redox Dep					nallow Dark Surface (TF12)
-	uck (A9) (LRR P, T)		Marl (F10)		u)			Explain in Remarks)
	ed Below Dark Surface		Depleted O		(MLRA 1	51)		
Thick D	ark Surface (A12)		☐ Iron-Manga					ators of hydrophytic vegetation and
	Prairie Redox (A16) (and hydrology must be present,
	Mucky Mineral (S1) ((LRR O, S)	Delta Ochri					ess disturbed or problematic.
	Gleyed Matrix (S4)		Reduced V					
	Redox (S5) d Matrix (S6)		Anomalous	Bright Lo	amy Soils	(MLRA 14	RA 149A, 153C,	153D)
	urface (S7) (LRR P,	S. T. U)		Diigin Lo	anny 000	(0) (
estrictive	Layer (if observed							
Type:	Layer (if observed						_	
Туре:	Layer (if observed):					Hydric Soil	Present? YesNo
Type: Depth (in):					Hydric Soil	Present? YesNo
Type: Depth (in):			-		Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? YesNo
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? YesNo
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Туре:):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No
Type: Depth (in):					Hydric Soil	Present? Yes No



Wetland data point wrog001f_w2 facing northwest.



Wetland data point wrog001f_w2 facing southwest.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region City/County: Robeson Co Sampling Date: 9/9/15/ Project/Site: ACP Applicant/Owner: Dominson State: NC Sampling Point: WFood Investigator(s): DD West CLPP Section, Township, Range: Landform (hillslope, terrace, etc.): Shrub Jepress, w Local relief (concave, convex, none): 10.7 Subregion (LRR or MLRA): LRT Lat: 31.46.00.456. Long: 79.03.19.803.1 Soil Map Unit Name: Contille Lynchburg _____NWI classification: PSS 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 X 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 Is the Sampled Area
within a Wetland?

Yes _____ No _____ Yes X No Yes X No Hydric Soil Present? Wetland Hydrology Present? Remarks: Seasonally salvented, scrub/shired wetland. **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) ___ Moss Trim Lines (B16) ___ Hydrogen Sulfide Odor (C1) ___ Water Marks (B1) ___ Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) ___ Sediment Deposits (B2) ___ Crayfish Burrows (C8) ___ Presence of Reduced Iron (C4) ___ Drift Deposits (B3) Saturation Visible on Aerial Imagery (C9) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Algal Mat or Crust (B4) ★ Geomorphic Position (D2) ___ Thin Muck Surface (C7) ___ Iron Deposits (B5) Shallow Aquitard (D3) Other (Explain in Remarks) ___ Inundation Visible on Aerial Imagery (B7) XFAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations:
 Yes
 No
 ✓
 Depth (inches):

 Yes
 No
 ✓
 Depth (inches):
 ≥ 2 4 €
 Surface Water Present? Water Table Present? Wetland Hydrology Present? Yes ____ No ___ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Wetland hydrology present @ sata point.

Tree Stratum (Plot size: 30'	Absolute	Dominant	Indicator	Dominance Test worksheet:
	% Cover	Species?		Number of Dominant Species
1. Pinus taeda			FAC_	That Are OBL, FACW, or FAC:(A)
2. Quercus rigra		\overline{X}	EK_	Total Number of Dominant
3. Liquidanbar styraciflua	_5	\rightarrow	<u> </u>	Species Across All Strata: (B)
4		*		Dt -f Dit Oi
5				Percent of Dominant Species That Are OBL, FACW, or FAC:
6				(100)
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	15	= Total Co	ver	OBL species x 1 =
50% of total cover: 7.5	20% of	f total cover	r: 3	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30/)				FAC species x 3 =
1. Vacinium carya dosum	30	Y	FROW	FACU species x 4 =
2. Ilex aladora	30	Y	FACW	UPL species x 5 =
3. Symplocits finetoria	25	$\overline{\gamma}$	FAC	Column Totals: (A) (B)
4. Quercus niaco		\overline{N}	FAC	
5. Pinus taedan	10	M	FRE	Prevalence Index = B/A =
6. Myrien cerifera	15	N	THE	Hydrophytic Vegetation Indicators:
7.			- Company	1 - Rapid Test for Hydrophytic Vegetation
8.		***************************************		2 - Dominance Test is >50%
	120	= Total Co		3 - Prevalence Index is ≤3.0
50% of total cover:	200/ ==	- 10tal CO	_ Q	Problematic Hydrophytic Vegetation¹ (Explain)
Herb Stratum (Plot size: 30% of total cover: 50%		i total cove	7-1	
1. Clerka un folia			FACH	Indicators of hydric soil and wetland hydrology must
			1.1	be present, unless disturbed or problematic.
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.
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.				
		= Total Co	ver	
50% of total cover: 20	20% o	f total cove	r: <u> </u>	
Woody Vine Stratum (Plot size: 30)			<u> </u>	
1. Smilax glavea	30	Y	FACW	
2. Inital totandifolia	20	<u> </u>	FAC	
3			No.	
4				
5				Hydrophytic
	50	= Total Co	ver	1 1 1 1 1 1
50% of total cover: 25		f total cove		Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
	•			
Danse thinket of sh	NSS	Preso	9	
			•	

Depth (inches) 21 - (2)							m the absence o			
- 4	Matrix Color (moist)	<u>%</u>	Red Color (moist)	ox Feature		Loc ²	Taretura		Damanula	
/ F 45 TH TE / 3	COO ((noist)		Color (ITIOISE)		Type'	LOC	Texture	1 2	Remarks	<u> </u>
<u>. a</u>	1 .1 80 34.						. M. 777 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		n rayo	
- "	10813/1						soly In			
-14	2,3 Y 7/1						saly ely			
1-74+	25Y711	85	5 XR 6/8	13	<u>C</u>	M	salvely			
	ę.		•				, , , , ,			
		·				***************************************				
				 						
							-			
	ncentration, D=Dep					ains.			ining, M=Matr	
	ndicators: (Applica	adie to all							matic Hydric	Solis":
Histosol	(A1) ipedon (A2)		Polyvalue E						· ·	
Black His			Thin Dark S Loamy Mud					uck (A10) d Vertic (F	. ,	MLRA 150A,B
	n Sulfide (A4)		Loamy Gley	-		. 0,) (LRR P, S, T)
	Layers (A5)		Depleted M		,				Loamy Soils	
Organic	Bodies (A6) (LRR P,	, T, U)	Redox Dark		- 6)			A 153B)	,	
	cky Mineral (A7) (LF		Depleted D	ark Surface	(F7)		Red Pa	rent Mater	ial (TF2)	
	esence (A8) (LRR U)	Redox Dep	ressions (F	8)	- Pro-	Very Sh	allow Dar	k Surface (TF	12)
	ck (A9) (LRR P, T)		Marl (F10)			- Control of the Cont	Other (E	Explain in	Remarks)	
	Below Dark Surface	e (A11)	Depleted O				3			
	rk Surface (A12) airie Redox (A16) (N	#1 DA 450	Iron-Manga				The second secon	-	drophytic vege	
	ucky Mineral (S1) (L		A) Umbric Sur Delta Ochri			, 0)		-	logy must be p ed or problema	
	leyed Matrix (S4)	- ((O, O,	Reduced V			OA 150E		รร นารเนาษ	ed or problem	1116.
	edox (S5)		Piedmont F			1				
Stripped	Matrix (S6)					1	RA 149A, 153C,	153D)		
Dark Sur	face (S7) (LRR P, S	S, T, U)								
Restrictive L	.ayer (If observed):									-
Restrictive L Type:	.ayer (if observed):									:
Туре:	.ayer (if observed): :hes):						Hydric Soil I	Present?	Yes <u>×</u>	. No
Туре:	,						Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	,						Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	:hes):			ent.			Hydric Soil I	Present?	Yes <u></u>	. No
Type: Depth (inc	:hes):		= bil pres	ent			Hydric Soil I	Present?	Yes <u></u>	. No
Type: Depth (inc	:hes):			ert			Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	:hes):			ert			Hydric Soil I	Present?	Yes <u>×</u>	. No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes <u></u>	No
Type: Depth (inc	:hes):			e.T			Hydric Soil I	Present?	Yes <u></u>	. No
Type: Depth (inc	:hes):			ert			Hydric Soil I	Present?	Yes <u>×</u>	. No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes <u>×</u>	. No
Type: Depth (inc	:hes):			ert			Hydric Soil I	Present?	Yes X	. No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	. No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	. No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	No
Type: Depth (inc	:hes):			eA			Hydric Soil I	Present?	Yes	No
Type: Depth (inc	:hes):			e.T			Hydric Soil I	Present?	Yes	No

wrog001s_w



Wetland data point wrog001s_w facing east



Wetland data point wrog001s_w facing south

Wrog001s_w soils



Wetland soils

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region Project/Site: ACP State: NC Sampling Point: Wrog 0015-W 2 Applicant/Owner: Dominiun Investigator(s): EST-K. Markhom, K. Murehrey Section, Township, Range: NA Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Flat Slope (%): Subregion (LRR or MLRA): LRR P Lat: 34.76727 Long: -71.05465 Soil Map Unit Name: Lynchburg Sondy Wor Are climatic / hydrologic conditions on the site typical for this time of year? Yes_ No ____ (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes _ 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? No___ within a Wetland? Wetland Hydrology Present? Yes No Remarks: HYDROLOGY Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Surface Soil Cracks (B6) Primary Indicators (minimum of one is required; check all that apply) Sparsely Vegetated Concave Surface (B8) Surface Water (A1) Aquatic Fauna (B13) Drainage Patterns (B10) Marl Deposits (B15) (LRR U) High Water Table (A2) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Saturation (A3) Dry-Season Water Table (C2) Oxidized Rhizospheres along Living Roots (C3) Water Marks (B1) Crayfish Burrows (C8) Presence of Reduced Iron (C4) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Recent Iron Reduction in Tilled Soils (C6) Drift Deposits (B3) Thin Muck Surface (C7) Geomorphic Position (D2) Algal Mat or Crust (B4) Shallow Aquitard (D3) Iron Deposits (B5) Other (Explain in Remarks) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: Depth (inches): NA Surface Water Present? No Depth (inches): 72011 Water Table Present? _ Depth (inches): _ 5 11 Wetland Hydrology Present? Yes Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

2 () () ()	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30F4 X 30F4) 1. NONE P(ESENT		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
				That Are OBL, FACVV, of FAC.
3				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:
	0	= Total Co	ver	OBL species x 1 =
50% of total cover:				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 200 X 306)	20 /0 01	total cover		FAC species x 3 =
1. LIQUI damoor Styrocitud	10	N	FAC	FACU species x 4 =
	110	1/	FAC	UPL species x 5 =
2. Quercus giora	10	X	FAC	Column Totals: (A) (B)
3. Pinus taedo	10	-1/	FAC	()
4. Ilex coriacea	10	N	FACW	Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
6				- Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	-			3 - Prevalence Index is ≤3.01
	110	= Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover:	20% of	total cover	: 22	_
Herb Stratum (Plot size: 308+ X 3064)		. /		¹ Indicators of hydric soil and wetland hydrology must
1. Clethra alnisolion	35	Y	FACIN	be present, unless disturbed or problematic.
2. Pteridium aquilinum	5	M	FACU	Definitions of Four Vegetation Strata:
V				
3.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				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.				
	40	= Total Co	ver	
50% of total cover: _ 2C		total cover	-	
Woody Vine Stratum (Plot size 304 X 304)	20 /0 0/	total cover	-	
1 <milax rotandifolia<="" td=""><td>10</td><td>\vee</td><td>FAC</td><td></td></milax>	10	\vee	FAC	
		-	FAC	
2. Vitis rotandifolia	_>_	7	144	
3				
4				
5				Hydrophytic
	15	= Total Co	ver	Vegetation
50% of total cover: 7.5	20% of	total cover	: 3	Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
Tremarks. (II beserves, list morphising sail adaptations bost	,.			
*				

epth (1ches) (Color (moist) 104R2/1	% (UV) 80	Color (moist)	20	Type¹	_Loc²	Texture S L	Remarks	
	10482/1		104R 3/1	20				(1/10/05	
-20	0484/1	80	104R 3/1	20			1	11/20105	
					13		SCL	Streaks	
dric Soil In Histosol (A Histic Epip Black Hist Hydrogen Stratified I Organic B 5 cm Mucl Muck Pres 1 cm Mucl Depleted I Thick Darl Coast Pra Sandy Mu Sandy Re	dicators: (Application) A1) bedon (A2) ic (A3) Sulfide (A4) Layers (A5) odies (A6) (LRR P, ky Mineral (A7) (LR sence (A8) (LRR U k (A9) (LRR P, T) Below Dark Surface k Surface (A12) irie Redox (A16) (N cky Mineral (S1) (Le eyed Matrix (S4)	, T, U) RR P, T, U) e (A11)	Redox Depri Marl (F10) (I Depleted Oc Iron-Mangar Umbric Surf Delta Ochric Reduced Ve	rwise note elow Surface (S9) ry Mineral II ed Matrix (II thrix (F3) Surface (FI rk Surface essions (FI LRR U) chric (F11) nese Mass ace (F13) (II critic (F18) (II coodplain S	ed.) ce (S8) (L) (LRR S, (F1) (LRF F2) 66) ((F7) 8) (MLRA 1 es (F12) ((LRR P, T LRA 151) (MLRA 1: Soils (F19)	ERR S, T, U T, U) C O) 51) (LRR O, P T, U) 50A, 150B	Indicators U) 1 cm M 2 cm M Reduc Piedm Anoma (MLF Very S Other 7,T) 3Indic wer unl	PL=Pore Lining, M=Matrix. for Problematic Hydric Soils fluck (A9) (LRR 0) fluck (A10) (LRR S) ed Vertic (F18) (outside MLR, ont Floodplain Soils (F19) (LR flous Bright Loamy Soils (F20) RA 153B) arent Material (TF2) hallow Dark Surface (TF12) (Explain in Remarks) sators of hydrophytic vegetatio cland hydrology must be prese ess disturbed or problematic.	A 150A,B R P, S, T
estrictive La Type:	ace (S7) (LRR P, S ayer (if observed): nes):	:					Hydric Soil	Present? Yes N	lo



Wetland data point wrog001s_w2 facing southwest.



Wetland data point wrog001s_w2 facing northwest.

Project/Site: ACP	City/County:	Robosus Co	Sampling Date: 9/9/11/
Applicant/Owner:			Sampling Point: <u>Uro a 201.</u>
Investigator(s): DD West (CPP)		p, Range ⁻	
Landform (hillslope, terrace, etc.): Corn Field			Slope (%) 6 1 5
Subregion (LRR or MLRA): 4 RR 1 Lat: 3	10 45 555	53 Long: 7903	21.34/ Datum:
Soil Map Unit Name: Coxy: 11e			assification: 107 mapped
Are climatic / hydrologic conditions on the site typical for this time of			
Are Vegetation, Soil, or Hydrology significant			ces" present? Yes X No No
Are Vegetation, Soil, or Hydrology naturally p		(If needed, explain any a	
SUMMARY OF FINDINGS – Attach site map showing			,
		<u>, , , , , , , , , , , , , , , , , , , </u>	
Hydrophytic Vegetation Present? Yes No Y	- Is the Sar	npled Area	er en
Hydric Soil Present? Wetland Hydrology Present? Yes No X	within a V	Vetland? Yes	No <u>></u>
Remarks: Planted Corn Field rea	aly for	hasvest	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary	Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	y)(y	Surface	e Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (E			ly Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B			ge Patterns (B10)
Saturation (A3) Hydrogen Sulfide			Frim Lines (B16)
Water Marks (B1) Oxidized Rhizos			eason Water Table (C2)
Sediment Deposits (B2) Presence of Red Drift Deposits (B3) Recent Iron Red		•	tion (C8)
Drift Deposits (B3) Recent Iron Red Algal Mat or Crust (B4) Thin Muck Surfa			tion Visible on Aerial Imagery (C9) orphic Position (D2)
Iron Deposits (B5) Other (Explain in			w Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	, i toma, no,		leutral Test (D5)
Water-Stained Leaves (B9)			num moss (D8) (LRR T, U)
Field Observations:	_		
Surface Water Present? Yes No Depth (inch	es): 216		
Water Table Present? Yes No _K Depth (inch	/		
Saturation Present? Yes No _K Depth (inch	es): <u> </u>	Wetland Hydrology F	Present? Yes No <u></u>
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial ph	otos, previous inspe	ctions), if available:	
Remarks:			
Wotland hydrology	not pres	Project	
		•	
			,

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

Sampling Point: 4001 001

	Absolute Dominant Indicato	1
Tree Stratum (Plot size:)	% Cover Species? Status	Number of Dominant Species
1.		That Are OBL, FACW, or FAC: (A)
2		— Total Number of Deminent
3.		Total Number of Dominant Species Across All Strata: (B)
4		Specification of the control of the
		Percent of Dominant Species
5		That Are OBL, FACW, or FAC: (A/B)
6		Prevalence Index worksheet:
7		
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:)	20 /0 0/10/0/10/0/1.	FAC species x 3 =
		FACU species x 4 =
1.		UPL species x 5 =
2.		<u></u>
3		Column Totals: (A) (B)
4		Prevalence Index = B/A =
5		
6		1
		1
7		2 - Dominance Test is >50%
8.		3 - Prevalence Index is ≤3.0¹
	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover:	20% of total cover:	_
Herb Stratum (Plot size:)	-	¹ Indicators of hydric soil and wetland hydrology must
1. Z7a mays	WO Y FACU	be present, unless disturbed or problematic.
2. (Carn)		Definitions of Four Vegetation Strata:
3.		Demilions of Four Vegetation Offata.
	5 N FACE	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
	_ <u> </u>	indicate an area and area area area area area area area are
		height.
6.		Sapling/Shrub - Woody plants, excluding vines, less
7		
8		
9.		
10		
11		height.
12.		
4	= Total Cover	
50% of total cover: 220	5 20% of total cover:	
Woody Vine Stratum (Plot size:) 1. Smilax rayanifilis)	I N FAC	
2		water and the same of the same
3.		
4		
5		- Hydrophytic
	= Total Cover	Vegetation
50% of total cover: • \$	20% of total cover: • 2	Present? Yes No
Remarks: (If observed, list morphological adaptations be		
(A cook of the proof of the pro		
	1 0 1 1 6 1	
Valed Corn tiels	d. S. rahadital	in som wang elge
	· ····································	
A field.		
y t t to the to		

Sampling Point: Wnocol-U

Profile Desc	ription: (Describe	to the depth	needed to docu	ment the indicato	r or confirm	the absence of	indicators.)	$\neg J \neg$
Depth	Matrix		Redo	x Features				
(inches)	Color (moist)	<u> %</u> _	Color (moist)	<u>% Type</u>	Loc ²	Texture	Remarks	
0-10	10 YR 3/2	100_				SNYIM _		
10-18+	10 ya 5/4	100				cai. In		
	7				,			
		-						
		·						
	oncentration, D=Dep				Grains.	² Location: PL	=Pore Lining, M=Matr	ix.
Hydric Soll	Indicators: (Applic	able to all L	RRs, unless othe	rwise noted.)		indicators for	r Problematic Hydric	Solls³:
Histosol	1 .		Polyvalue B	elow Surface (S8)	(LRR S, T, U	l) 1 cm Muc	k (A9) (LRR O)	
	pipedon (A2)			urface (S9) (LRR s		2 cm Muc	k (A10) (LRR S)	
ı —	stic (A3)			y Mineral (F1) (LF	RR O)		Vertic (F18) (outside l	
	n Sulfide (A4)		Loamy Gley				Floodplain Soils (F19)	
	d Layers (A5)		Depleted Ma	' '		_	us Bright Loamy Soils (F20)
	Bodies (A6) (LRR F		Redox Dark	, -		(MLRA		
	icky Mineral (A7) (Ll esence (A8) (LRR L			rk Surface (F7)			nt Material (TF2)	a `
	ick (A9) (LRR P, T)	''	Redox Depr Marl (F10) (I	` '			llow Dark Surface (TF1	2)
	d Below Dark Surfac	e (A11)		hric (F11) (MLRA	151\	Other (Ex	plain in Remarks)	
1	ark Surface (A12)	0 (111)		nese Masses (F12	•	T) ³ Indicate	ors of hydrophytic vege	tation and
	rairie Redox (A16) (I	VILRA 150A)					d hydrology must be p	
	lucky Mineral (S1) ((F17) (MLRA 151			disturbed or problems	
Sandy G	Sleyed Matrix (S4)			rtic (F18) (MLRA			·	
Sandy F	Redox (S5)		Piedmont FI	oodplain Soils (F1	9) (MLRA 1 4	9A)		
Stripped	Matrix (S6)		Anomalous	Bright Loamy Soils	(F20) (MLR	A 149A, 153C, 1	53D)	
	rface (S7) (LRR P,	· · · ·						
Restrictive	Layer (if observed)	:						
Туре:			*****					
Depth (in	ches):					Hydric Soil Pr	esent? Yes	No <u>X</u>
Remarks:								
	A1 1.		.1. 1.	_ 1				
	Non-hyd	TC SC	2715 005	served.				
	,							
1								
-								

wrog001_u



Upland data point wrog001_u facing east



Upland data point wrog001_u facing south

wrog001 soils



Wetland/upland soils

Project/Site: A C P City/	County: Robeson Sampling Date: 5/9/16
Applicant/Owner: ()) () () ()	State: NC Sampling Point: Wrog001-u 2
Investigator(s): ESI-K. Markhom, IK. Murphrey Sect	tion Township Range: NA
Investigator(s).	al relief (concave, convex, none): $F(\Delta + Slope (\%): \underline{\mathcal{O}} = 2$
Landform (nillslope, terrace, etc.):	606 Long: -7.05496 Datum: W658
Subregion (LRR or MLRA): Lat: 51. / 62	Long: 77:00 170 Datum: VA
Soil Map Unit Name: Torhuntad Lynn Haven Suils	NWI classification: N/A
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 sa	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks:	
HYDROLOGY	
	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators: 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) Mari Deposits (B15) (LF	
Saturation (A3) Hydrogen Sulfide Odor	
	along Living Roots (C3)
Sediment Deposits (B2)	
Drift Deposits (B3)	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 Rema	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	☐ Sphagnum moss (D8) (LRR T, U)
Field Observations:	1 A
Surface Water Present? Yes No Depth (inches):	10
Water Table Present? YesNo Depth (inches):	Wetland Hydrology Present? Yes No
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	revious inspections), if available:
Parada	
Remarks:	
, and the second	
*	

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

22514225		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 3084 X 3084) 1. Pinus topdo	% Cover	Species	Status FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Quellus nigla	70	Y	FAC	
3 IIEX OPACA	20	Y	FAC	Total Number of Dominant Species Across All Strata: (B)
4. 5.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8				OBL species x1 =
	100	= Total Co		
50% of total cover:	20% of	total cove	120	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 306 X 3064)				FAC species x 3 =
1. Symplocos tinctoria	20	\rightarrow	FAC	FACU species x 4 =
2 QUETLUS DIOYO	30	4	FAC	UPL species x 5 =
3. Persea Palustris	5	N	FACH	Column Totals: (A) (B)
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.01
27	_55	= Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 27.	5 20% 0	total cove	r:	
Herb Stratum (Plot size: 308+ X 304+)	5	Y	FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Pteritium aquilinum 2. Clethra alniforia	20	4	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
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				
		= Total Co	-	
50% of total cover: 12.	<u>5</u> 20% of	total cove	r::	
Woody Vine Stratum (Plot size: 308+X305+)		17	-1-	
1. Smilax rutundisulia	10	_/_	FAC	
2. VITIS rotundifulia	10	7	FAC	
3				
4				
5.	5			Hydrophytic
	20	= Total Co	ver	Vegetation
50% of total cover:(\		4 4	Present? Yes No
Remarks: (If observed, list morphological adaptations bel				
Tremarks. (ii observed, list morphological adaptations bei				

Profile Des	cription: (Describe t	to the depth	needed to docum	nent the i	ndicator	or confirm	the absence of indi	icators.)
Depth	Matrix		Redo	x Features	3			
(inches)	Color (moist)	100	Color (moist)	%	Type	Loc²	Texture	Remarks
0-7	104R2/1							
7-16	2.544/3	100					<u>SL</u>	
16-20	2,545/3	90 10)4R5/6	10	C	~	SCL	
								_
	-							
								_
							2, ,, ,,	
¹Type: C=C	Concentration, D=Dep	letion, RM=R	educed Matrix, MS	S=Masked	Sand Gr	ains.		ore Lining, M=Matrix. oblematic Hydric Soils ³ :
	Indicators: (Application	able to all Li				DD C T I		
Histoso			Polyvalue Be					A10) (LRR S)
The state of the s	pipedon (A2) listic (A3)		Loamy Muck					tic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleye			•		oodplain Soils (F19) (LRR P, S, T)
	ed Layers (A5)		Depleted Ma				-	Bright Loamy Soils (F20)
	Bodies (A6) (LRR P		Redox Dark				(MLRA 15:	3B) Material (TF2)
1	ucky Mineral (A7) (LF		Depleted Da Redox Depre					Dark Surface (TF12)
	resence (A8) (LRR U uck (A9) (LRR P, T)	,	Marl (F10) (L	The state of the s	0)			in in Remarks)
	ed Below Dark Surface	e (A11)	Depleted Oc		(MLRA 1	51)		
	ark Surface (A12)		Iron-Mangan					of hydrophytic vegetation and
	Prairie Redox (A16) (M							ydrology must be present, sturbed or problematic.
	Mucky Mineral (S1) (I	LRR O, S)	Delta Ochric Reduced Ve					starbed of problematic.
	Gleyed Matrix (S4) Redox (S5)		Piedmont Flo					
	d Matrix (S6)						RA 149A, 153C, 153D	0)
	urface (S7) (LRR P, S	s, T, U)	A - 10% - 100		173		- W	
Restrictive	Layer (if observed):							
Type:								
Depth (in	nches):						Hydric Soil Pres	ent? Yes No
Remarks:	The second second second second							



Upland data point wrog001_u2 facing southeast.



Upland data point wrog001_u2 facing northeast.

		City/County: Roleson Co. Sampling Date: 9/9/14
Landform (hillslope, terrace, etc.)	4. 200 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -	State: NC Sampling Point: Wrog0011
Are classification:	Investigator(s): 1)1) West (CIV)	Section, Township, Range:
Are classification:	Landform (hillslope, terrace, etc.): Ying flat	Local relief (concave, convex, none): + AT Slope (%): C-17
Are classification:	Subregion (LRR or MLRA): $\angle RR = 1$ Lat:	45 36.277 Long: 79 03 21.295 Datum:
Are Vegetation 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? Yes No Within a Welland? Yes No Within a Welland? Yes No Within a Welland? Yes No Surface Soil Cracks (B6) Fermarks: Soil Present? Yes No No Within a Welland? Yes No Surface Soil Cracks (B6) Frimary 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) Hydrogen Sulfide Odor (C1) Moss Pratterns (B10) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9) Agail Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Inon Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Semarks: Wetand Hydrology Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Secondary Indicators, important features, and within a Welland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Indicators. Well Are Table (Inches): Wetland Hydrology Indicators. Well Are Table (Inches): Wetland Hydrology Indicators. Well Are Table (Indicators (Ininimum of Inches): Wetland Hydrology Indicators. Well Are Table (Indicators (Ininimum of Inches): Wetland Hydrology Indicators. Well Are Table (Indicators (Ininimum of Inches): Wetland Hydrology Indicators. Well Are North Area (Indicators (Ininimum of Inches): Wetland Hydrology Indicators. Well Area (Indicators (Ininimum of Indicators (Indicators (Ininimum of Inches): Well Area (Indicators (Ininimum	Soil Map Unit Name:	
Are Vegetation 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? Yes No Is the Sampled Area within a Wetland? Yes No Within a Wetland? Yes No No Within a Wetland? Yes No	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 Hydrologynaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrorhytic Vegetation Present?		
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Hydric Soil Present? Welland Hydrology Present? Welland Hydrology Present? Welland Hydrology Present? Welland Hydrology Present? Welland Hydrology Present? Welland Hydrology Indicators: Primary Indicators (minimum of one is required, check all that apply) Surface Water (A1) Aqualic Fauna (B13) High Water Table (A2) Mart Deposits (B15) Water Marks (B1) Sediment Deposits (B2) Presence of Reduced Iron (C4) Sediment Deposits (B3) Algal Mat or Crust (B4) Inundation Visible on Aerial Imagery (B7) Water Stalined Leaves (B9) Field Observations: Wetland Hydrology Present? Water Table Present? Yes No Depth (inches): Water Marks (B1) Water Present? Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Westland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Bemarks:		
Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Defended Fresent	SUMMARY OF FINDINGS - Attach site map showing	g sampling point locations, transects, important features, etc.
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required, check all that apply) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Sparsety Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) 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) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Hydric Soil Present? Yes X No	is the Sampled Area
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required, check all that apply) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Sparsety Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) 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) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Remarks: Data point college) in	pine flot. Average obh 6.8.
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? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes		
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B13) Byarsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Saturation (A3) Hydrogen Sulfide Odor (C1) Sediment Deposits (B1) Presence of Reduced Iron (C4) Presence of Reduced Iron (C4) Aquatic Fauna (B13) Presence of Reduced Iron (C4) Presence of Reduced Iron (C4) Agal 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): Saturation Present? Yes No Depth (inches): Semarks: Surface Soil Cracks (B6) Sprasely Vegetated Concave Surface (B8) Drainage Patterns (B10) Drainage Patterns	HYDROLOGY	
Surface Water (A1)	Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
High Water Table (A2)	Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Saturation (A3)	Surface Water (A1) Aquatic Fauna (B1	
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) Shallow Aquitard (D3) FAC-Neutral Test (D5) Shagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Remarks:		
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) Shallow Aquitard (D3) Yes No Shallow Aquitard (D3)	1	1
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) YEAC-Neutral Test (D5) Shagnum moss (D8) (LRR T, U)		
Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Shallow Aquitard (D3) FAC-Neutral Test (D5) Shagnum moss (D8) (LRR T, U)		
Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) YAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Sphagnum moss (D8) (LRR T, U) Sphagnum moss (D8) (LRR T, U) Yes No Depth (inches): Yes No Periodical Present? Yes No No Yes No Periodical Present? Yes No Yes No Yes No No Yes Yes No Yes Yes No Yes		
Inundation Visible on Aerial Imagery (B7) 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:		, _
Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Yes NoX Depth (inches): Water Table Present? Yes NoX Depth (inches): Saturation Present? Yes NoX Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	I .	
Surface Water Present? Yes No _X Depth (inches): Water Table Present? Yes No _X Depth (inches): Saturation Present? Yes No _X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:		
Water Table Present? Yes No _X Depth (inches): Saturation Present? Yes No _X Depth (inches): Wetland Hydrology Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:		
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Water Present? Yes No _X Depth (inche	8):
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:		s): Wetland Hydrology Present? Yes No
Seasonal fluenchian of when table appears to be greater than 2'.		tos, previous inspections), if available:
Seasonal fluenation of when table appears to be greater than 21.	Remarks:	
be greater than 2',	Scasonal fluenation of	under table appears to
	be greater than 2'	
	· ·	

EGETATION (Four Strata) – Use scientific r	· · · · · · · · · · · · · · · · · · ·		Sampling Point: WFOGO
ree <u>Stratum</u> (Plot size:)		ominant Indicator Species? Status	Dominance Test worksheet:
PIOLSIZE.	60	Status Status	Number of Dominant Species
	THE STATE OF THE S	P. Comm.	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)
			That A e Obl., FACW, OF FAC.
			Prevalence Index worksheet:
			Total % Cover of: Multiply by:
			OBL species x 1 =
	<u> 60</u> =1		FACW species x 2 =
50% of total cover: <u></u>	<u>//</u> 20% of to	tal cover: <u>LO</u>	
apling/Shrub Stratum (Plot size: 30")			FAC species x 3 =
Pins tagda	15	XN FAC	FACU species x 4 =
Acer rubrum	7 <	Y FAC	UPL species x 5 =
Vaccinum corresposion		N FACU	Column Totals: (A) (B)
Symploses Ficticia		N FKC	i "
			Prevalence Index = B/A =
	<u> 20 </u>	> FAC	Hydrophytic Vegetation Indicators:
Tlex glabic		<u>yn fkw</u>	1 - Rapid Test for Hydrophytic Vegetation
<u> </u>			2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0¹
	95 <u>=</u>	Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 😾	.5 20% of to	tal cover: 1 🤔	Problematic Hydrophytic Vegetation (Explain)
erb Stratum (Plot size:)			Indicators of hydric soil and wetland hydrology must
Clethra Vlaitalia	15	Y FACWI	be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Detrimiters of Four Pogetation Charac.
			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of
			more in diameter at breast height (DBH), regardless o
			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
1			height.
2.		Tatal Carra	
50% of total cover:		Total Cover otal cover:	
50% of total cover.	20% OF IC	otal cover.	
Voody Vine Stratum (Plot size: 30)	100	N ELA	
Smilax robunditalia		x FAC	
			Hydrophytic
	10 =	Total Cover	Vegetation .
50% of total cover:			Present? Yes No
		Mar COVEL.	
Remarks: (If observed, list morphological adaptations b		~	
Marvie A. ciscum	+ 2N.5	syludica 1	orded outside lua plut
		,	· · · · · · · · · · · · · · · · · · ·

Profile Desc	ription: (Describe	to the depti	n need	led to docum	ient the i	ndicator	or confirn	n the absence of i	ndicators.)
Depth	Matrix			Redox	Feature				•
(inches)	Color (moist)	<u> </u>	Colc	or (moist)		Type'	Loc ²	Texture	Remarks
0-6	10 YE 2/1	100		./0 ./.				Souly loan	
6-12	25 × 91	50	7	1698	10			SNY clay	sedox wf
	1040/1	<u> 30</u> .							organic strecking
12-244	7.5 16/1	80	5	YR 6/8	20			c/ 100m	J
				,					
	The second secon	W Africa de consequente replace au		***************************************	*****				
	AND THE A PERSON NAMED AND ADDRESS OF THE PERSON NAMED ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS								
17 0 0									
Hydric Soil	oncentration, D=Dep	letion, RM=I	Reduce	ed Matrix, MS	=Masked	Sand Gr	ains.		Pore Lining, M=Matrix.
Histosol	ndicators: (Applic	able to all L							Problematic Hydric Soils ³ :
	pipedon (A2)		H:	Polyvalue Bel Thin Dark Sui	ow Surta face (So	ce (S8) (L	RR S, T, I	1	(A9) (LRR O)
Black Hi			<u> </u>	Loamy Mucky	Mineral	(F1) (LRF	: O)		: (A10) (LRR S) /ertic (F18) (outside MLRA 150A,B)
tame?	n Sulfide (A4)			Loamy Gleye	d Matrix (F2)	- /		Floodplain Soils (F19) (LRR P, S, T)
	Layers (A5)			Depleted Mat	, ,			J 1	s Bright Loamy Soils (F20)
5 cm Mu	Bodies (A6) (LRR Picky Mineral (A7) (LF	', I, U) >P P T II\		Redox Dark S				(MLRA 1	
Muck Pr	esence (A8) (LRR U	((Depleted Dar Redox Depre				1 1	it Material (TF2) ow Dark Surface (TF12)
1 cm Mu	ick (A9) (LRR P, T)			Marl (F10) (LI	,	0,			olain in Remarks)
	Below Dark Surfac	e (A11)		Depleted Och					,
	ark Surface (A12) rairie Redox (A16) (f	MI DA ARAA	. 님!	Iron-Mangane	se Mass	es (F12) (LRR O, P		s of hydrophytic vegetation and
Sandy N	lucky Mineral (S1) (I	VILKA 150A	-	Umbric Surfai Delta Ochric (, U)		hydrology must be present,
Sandy G	Bleyed Matrix (S4)			Reduced Ver			0A. 150B		disturbed or problematic.
	ledox (S5)			Piedmont Flo	odplain S	oils (F19)	(MLRA 1	, 49A)	
	Matrix (S6)							RA 149A, 153C, 15	3D)
	rface (S7) (LRR P, S Layer (if observed)				· · · · · · · · · · · · · · · · · · ·				
1									
	ches).								
Remarks				** 10. \$70° \$700° / \$400° \$1. \$400° \$1. \$1. \$1. \$1.				Hydric Soil Pre	sent? Yes <u> </u>
	Salura	701	7		. 4	/			
	201010	1 2. 6/	\$ 1	EACC	NAMA	T CL			

wrog001f_w



Wetland data point wrog001f_w facing east



Wetland data point wrog001f_w facing south

Project/Site: ACP City/C	Sampling Date: 5/9/16 State: NC Sampling Point: wrvg001f_W
Applicant/Owner: Dominion	State: NC Sampling Point: Wrog 001fW
Investigator(s): ESI-K. Markham, K. MarPhrey Section	on Township Bango: NA
investigator(s): Section Class	relief (concave, convex, none): CONCOVE Slope (%): O-2
Landform (hillslope, terrace, etc.): Total	Long: 79.05508 Datum: N658
	//-
Soil Map Unit Name: Lynchburg Sondy Loan	
Are climatic / hydrologic conditions on the site typical for this time of year?	'es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No No	within a Wetland? Yes No
Remarks:	
100000000000000000000000000000000000000	
NCWAM: Pine Flot	
HYDROLOGY	the transfer of the society
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8)
Surface Water (A1) Hitch Water Table (A2) Aquatic Fauna (B13) Marl Deposits (B15) (LR	
☐ High Water Table (A2) ☐ Marl Deposits (B15) (LR. ☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (
Water Marks (B1) Oxidized Rhizospheres a	
Sediment Deposits (B2)	
Drift Deposits (B3)	Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Geomorphic Position (D2)
Iron Deposits (B5) Uher (Explain in Remark	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Water-Stained Leaves (B9) Field Observations:	Spriagridit filoss (Bb) (Erit 1, 0)
Surface Water Present? Yes No Depth (inches): _N	A
Water Table Present? Yes No Depth (inches):	20
Saturation Present? Yes No Depth (inches): 4	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
1	

2

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 305+ X 305+ 1. Pinus toeda		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. QUESCUS Nigra	30	4	FAC	Total Number of Dominant \(\(\) \(\)
3				Species Across All Strata: (B)
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.				11dt 7dc 65c, 17.671, 6117.6.
7				Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
B	50	= Total Co	ver	OBL species x 1 =
50% of total cover: _25			. ^	FACW species x 2 =
	20% 0	total cover	10	FAC species x 3 =
Sapling/Shrub Stratum (Plot size 308+X308+) 1. SYMPLOCOS + inctoria	10	N	TAC	FACU species x 4 =
	15	7	FAC	UPL species x 5 =
2 Acer lubrum	15	1	FAC	Column Totals: (A) (B)
3. Liquidambar styracista	10	X	FAC	
4. NUSSO Sylvatica	10	N	- 1 There	Prevalence Index = B/A =
5. Vaccinium corymbosum	2	-14	FACW	Hydrophytic Vegetation Indicators:
6. Quercus nigral	20	-/-	FAC	- Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.01
		= Total Co		Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 37.4	20% of	total cover	: 15	
Herb Stratum (Plot size: 3084 × 3064)	_			¹ Indicators of hydric soil and wetland hydrology must
1 Ptecidium aquilinum	5	N	FACU	be present, unless disturbed or problematic.
2. Itek glabro	15	4	FACW	Definitions of Four Vegetation Strata:
3. Clethra alnifolia	20	4	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4.		-		more in diameter at breast height (DBH), regardless of
5.		A STATE OF THE STA		height.
6.				Sapling/Shrub – Woody plants, excluding vines, less
7.				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
The second section of the sect		A PARTY OF THE		
8				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9				
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12	110			
20		= Total Co		
50% of total cover: 20	20% of	total cove		
Woody Vine Stratum (Plot size: 3084 X 3064)	. (1)	\/	EN.	
1. Smiler rotundisolia	10		FAC	
2. Gelsemium Sempervivens	5	7	FAC	
3. Vitis rotardiforia		7	FAC	
4				
5				Hydrophytic
	20	= Total Co	ver	Vegetation
50% of total cover:	20% 0	f total cove	r: H	Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
Tremains. (II observed, list morphological adaptations solo	,.			

Depth	Matrix			ox Feature	s		the absence of in	Darradia.
inches)	Color (moist)	%	Color (moist)	%	Type	Loc²	Texture	Remarks
2-8	104R2/1	(00)					SL_	· · · · · · · · · · · · · · · · · · ·
3-20	104R 5/2	80	104R4/6	20	_ <	~	SCL	
	*							
								10.0000
							21	Pore Lining, M=Matrix.
ype: C=C	oncentration, D=Deplications: (Applications)	oletion, RM:	Reduced Matrix, M	IS=Maske	d Sand Gr	ains.	Indicators for	Problematic Hydric Soils ³ :
		cable to all	Polyvalue B			DDS T I		(A9) (LRR O)
Histoso	pipedon (A2)		Thin Dark S					(A10) (LRR S)
	istic (A3)		Loamy Muc				Reduced V	'ertic (F18) (outside MLRA 150A,B
	en Sulfide (A4)		Loamy Gley		(F2)			Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted M	AND THE RESERVE	F0:		(MLRA 1	s Bright Loamy Soils (F20)
	Bodies (A6) (LRR I		Redox Dark Depleted Dark					t Material (TF2)
	ucky Mineral (A7) (L resence (A8) (LRR I		Redox Depi					ow Dark Surface (TF12)
-	uck (A9) (LRR P, T)		Marl (F10)				Other (Exp	lain in Remarks)
	d Below Dark Surfa		Depleted O			-	. 1	
	ark Surface (A12)		Iron-Manga					s of hydrophytic vegetation and hydrology must be present,
	rairie Redox (A16) (A) Umbric Sur Delta Ochri			, 0)		disturbed or problematic.
	Mucky Mineral (S1) Gleyed Matrix (S4)	(LKK U, S)	Reduced V			OA, 150B)		
	Redox (S5)		☐ Piedmont F	loodplain	Soils (F19)	(MLRA 14	19A)	
	d Matrix (S6)		☐ Anomalous	Bright Loa	amy Soils (F20) (MLR	A 149A, 153C, 15	3D)
	urface (S7) (LRRP,							
	Layer (if observed):						
Type:	0.00		<u> </u>				Hydric Soil Pre	esent? Yes No
17.00.00.00.00.00.00.00.00.00.00.00.00.00	nches):	1070					nyunc aon Fre	isenti res ne
Remarks:								



Wetland data point wrog001f_w2 facing northwest.



Wetland data point wrog001f_w2 facing southwest.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region City/County: Robeson Co Sampling Date: 9/9/15/ Project/Site: ACP Applicant/Owner: Dominson State: NC Sampling Point: WFood Investigator(s): DD West CLPP Section, Township, Range: Landform (hillslope, terrace, etc.): Shrub Jepress, w Local relief (concave, convex, none): 10.7 Subregion (LRR or MLRA): LRT Lat: 31.46.00.456. Long: 79.03.19.803.1 Soil Map Unit Name: Contille Lynchburg _____NWI classification: PSS 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 X 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 Is the Sampled Area
within a Wetland?

Yes _____ No _____ Yes X No Yes X No Hydric Soil Present? Wetland Hydrology Present? Remarks: Seasonally salvented, scrub/shired wetland. **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) ___ Moss Trim Lines (B16) ___ Hydrogen Sulfide Odor (C1) ___ Water Marks (B1) ___ Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) ___ Sediment Deposits (B2) ___ Crayfish Burrows (C8) ___ Presence of Reduced Iron (C4) ___ Drift Deposits (B3) Saturation Visible on Aerial Imagery (C9) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Algal Mat or Crust (B4) ★ Geomorphic Position (D2) ___ Thin Muck Surface (C7) ___ Iron Deposits (B5) Shallow Aquitard (D3) Other (Explain in Remarks) ___ Inundation Visible on Aerial Imagery (B7) XFAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations:
 Yes
 No
 ✓
 Depth (inches):

 Yes
 No
 ✓
 Depth (inches):
 ≥ 2 4 €
 Surface Water Present? Water Table Present? Wetland Hydrology Present? Yes ____ No ___ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Wetland hydrology present @ sata point.

Tree Stratum (Plot size: 30'	Absolute	Dominant	Indicator	Dominance Test worksheet:
	% Cover	Species?		Number of Dominant Species
1. Pinus taeda			FAC_	That Are OBL, FACW, or FAC:(A)
2. Quercus rigra		\overline{X}	EK_	Total Number of Dominant
3. Liquidanbar styraciflua	_5	\rightarrow	<u> </u>	Species Across All Strata: (B)
4		*		Dt -f Dit Oi
5				Percent of Dominant Species That Are OBL, FACW, or FAC:
6				(100)
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	15	= Total Co	ver	OBL species x 1 =
50% of total cover: 7.5	20% of	f total cover	r: 3	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30/)				FAC species x 3 =
1. Vacinium carya dosum	30	Y	FROW	FACU species x 4 =
2. Ilex aladora	30	Y	FACW	UPL species x 5 =
3. Symplocits finetoria	25	$\overline{\gamma}$	FAC	Column Totals: (A) (B)
4. Quercus niaco		\overline{N}	FAC	
5. Pinus taedan	10	M	FRE	Prevalence Index = B/A =
6. Myrien cerifera	15	N	THE	Hydrophytic Vegetation Indicators:
7.			- Company	1 - Rapid Test for Hydrophytic Vegetation
8.		***************************************		2 - Dominance Test is >50%
	120	= Total Co		3 - Prevalence Index is ≤3.0
50% of total cover:	200/ ==	- 10tal CO	_ Q	Problematic Hydrophytic Vegetation¹ (Explain)
Herb Stratum (Plot size: 30% of total cover: 50%		i total cove	7-1	
1. Clerka un tolia			FACH	Indicators of hydric soil and wetland hydrology must
			1.1	be present, unless disturbed or problematic.
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.
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.				
		= Total Co	ver	
50% of total cover: 20	20% o	f total cove	r: <u> </u>	
Woody Vine Stratum (Plot size: 30)			<u> </u>	
1. Smilax glavea	30	Y	FACW	
2. Inital totandifolia	20	<u> </u>	FAC	
3			No.	
4				
5				Hydrophytic
	50	= Total Co	ver	1 1 1 1 1 1
50% of total cover: 25		f total cove		Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
	•			
Danse thinket of sh	NSS	Preso	9	
			•	

Depth (inches) 21 - (2)							m the absence o			
- 4	Matrix Color (moist)	<u>%</u>	Red Color (moist)	ox Feature		Loc ²	Taretura		Damanula	
/ F 45 TH TE / 3	COO ((noist)		Color (moist)		Type'	LOC	Texture	1 2	Remarks	<u> </u>
<u>. a</u>	1 .1 80 34.						. M. 777 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		n rayo	
- "	10813/1						soly In			
-14	2,3 Y 7/1						saly ely			
1-74+	25Y711	85	5 XR 6/8	13	<u>C</u>	M	salvely			
	ę.		•				, , , , ,			
		·				***************************************				
				 						
							-			
	ncentration, D=Dep					ains.			ining, M=Matr	
	ndicators: (Applica	adie to all							matic Hydric	Solis":
Histosol	(A1) ipedon (A2)		Polyvalue E						· ·	
Black His			Thin Dark S Loamy Mud					uck (A10) d Vertic (F	. ,	MLRA 150A,B
	n Sulfide (A4)		Loamy Gley	-		. 0,) (LRR P, S, T)
	Layers (A5)		Depleted M		,				Loamy Soils	
Organic	Bodies (A6) (LRR P,	, T, U)	Redox Dark		- 6)			A 153B)	,	
	cky Mineral (A7) (LF		Depleted D	ark Surface	(F7)		Red Pa	rent Mater	ial (TF2)	
	esence (A8) (LRR U)	Redox Dep	ressions (F	8)	- Pro-	Very Sh	allow Dar	k Surface (TF	12)
	ck (A9) (LRR P, T)		Marl (F10)			and the state of	Other (E	Explain in	Remarks)	
	Below Dark Surface	e (A11)	Depleted O				3			
	rk Surface (A12) airie Redox (A16) (N	#1 DA 450	Iron-Manga				The second secon	-	drophytic vege	
	ucky Mineral (S1) (L		A) Umbric Sur Delta Ochri			, 0)		-	logy must be p ed or problema	
	leyed Matrix (S4)	- ((O, O,	Reduced V			OA 150E		รร นารเนาษ	ed or problem	1116.
	edox (S5)		Piedmont F			1				
Stripped	Matrix (S6)					1	RA 149A, 153C,	153D)		
Dark Sur	face (S7) (LRR P, S	S, T, U)								
Restrictive L	.ayer (If observed):									-
Restrictive L Type:	.ayer (if observed):									:
Туре:	.ayer (if observed): :hes):						Hydric Soil I	Present?	Yes <u>×</u>	. No
Туре:	,						Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	,						Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	:hes):			ent.			Hydric Soil I	Present?	Yes <u></u>	. No
Type: Depth (inc	:hes):		= bil pres	ent			Hydric Soil I	Present?	Yes <u></u>	. No
Type: Depth (inc	:hes):			ert			Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	:hes):			ert			Hydric Soil I	Present?	Yes <u>×</u>	. No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes <u>×</u>	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes <u></u>	No
Type: Depth (inc	:hes):			e.T			Hydric Soil I	Present?	Yes <u></u>	. No
Type: Depth (inc	:hes):			ert			Hydric Soil I	Present?	Yes <u>×</u>	. No
Type: Depth (inc	:hes):			ert			Hydric Soil I	Present?	Yes <u>×</u>	. No
Type: Depth (inc	:hes):			ert			Hydric Soil I	Present?	Yes X	. No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	. No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	. No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	No
Type: Depth (inc	:hes):			ent			Hydric Soil I	Present?	Yes	No
Type: Depth (inc	:hes):			eA			Hydric Soil I	Present?	Yes	No
Type: Depth (inc	:hes):			e.T			Hydric Soil I	Present?	Yes	No

wrog001s_w



Wetland data point wrog001s_w facing east



Wetland data point wrog001s_w facing south

Wrog001s_w soils



Wetland soils

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region Project/Site: ACP State: NC Sampling Point: Wrog 0015-W 2 Applicant/Owner: Dominiun Investigator(s): EST-K. Markhom, K. Murehrey Section, Township, Range: NA Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Flat Slope (%): Subregion (LRR or MLRA): LRR P Lat: 34.76727 Long: -71.05465 Soil Map Unit Name: Lynchburg Sondy Wor Are climatic / hydrologic conditions on the site typical for this time of year? Yes_ No ____ (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes _ 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? No___ within a Wetland? Wetland Hydrology Present? Yes No Remarks: HYDROLOGY Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Surface Soil Cracks (B6) Primary Indicators (minimum of one is required; check all that apply) Sparsely Vegetated Concave Surface (B8) Surface Water (A1) Aquatic Fauna (B13) Drainage Patterns (B10) Marl Deposits (B15) (LRR U) High Water Table (A2) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Saturation (A3) Dry-Season Water Table (C2) Oxidized Rhizospheres along Living Roots (C3) Water Marks (B1) Crayfish Burrows (C8) Presence of Reduced Iron (C4) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Recent Iron Reduction in Tilled Soils (C6) Drift Deposits (B3) Thin Muck Surface (C7) Geomorphic Position (D2) Algal Mat or Crust (B4) Shallow Aquitard (D3) Iron Deposits (B5) Other (Explain in Remarks) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: Depth (inches): NA Surface Water Present? No Depth (inches): 72011 Water Table Present? _ Depth (inches): _ 5 11 Wetland Hydrology Present? Yes Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

2 () () ()	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30F4 X 30F4) 1. NONE P(ESENT		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
				That Are OBL, FACVV, of FAC.
3				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:
	0	= Total Co	ver	OBL species x 1 =
50% of total cover:				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 200 X 306)	20 /0 01	total cover		FAC species x 3 =
1. LIQUI damoor Styrocitud	10	N	FAC	FACU species x 4 =
	110	1/	FAC	UPL species x 5 =
2. Quercus giora	10	X	FAC	Column Totals: (A) (B)
3. Pinus taedo	10	-1/	FAC	()
4. Ilex coriacea	10	N	FACW	Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
6				- Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	-			3 - Prevalence Index is ≤3.01
	110	= Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover:	20% of	total cover	: 22	_
Herb Stratum (Plot size: 308+ X 3064)		. /		¹ Indicators of hydric soil and wetland hydrology must
1. Clethra alnisolion	35	Y	FACIN	be present, unless disturbed or problematic.
2. Pteridium aquilinum	5	M	FACU	Definitions of Four Vegetation Strata:
V				
3.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				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.				
	40	= Total Co	ver	
50% of total cover: _ 2C		total cover	-	
Woody Vine Stratum (Plot size 304 X 304)	20 /0 0/	total cover	-	
1 <milax rotandifolia<="" td=""><td>10</td><td>\vee</td><td>FAC</td><td></td></milax>	10	\vee	FAC	
		-	FAC	
2. Vitis rotandifolia	_>_	7	144	
3				
4				
5				Hydrophytic
	15	= Total Co	ver	Vegetation
50% of total cover: 7.5	20% of	total cover	: 3	Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
Tremarks. (II beserves, list morphising sail adaptations bost	,.			
*				

epth (1ches) (Color (moist) 104R2/1	% (UV) 80	Color (moist)	20	Type¹	_Loc²	Texture S L	Remarks	
	10482/1		104R 3/1	20				(1/10/05	
-20 (0484/1	80	104R 3/1	20			1	11/20105	
					13		SCL	Streaks	
dric Soil In Histosol (A Histic Epip Black Hist Hydrogen Stratified I Organic B 5 cm Mucl Muck Pres 1 cm Mucl Depleted I Thick Darl Coast Pra Sandy Mu Sandy Re	dicators: (Application) A1) bedon (A2) ic (A3) Sulfide (A4) Layers (A5) odies (A6) (LRR P, ky Mineral (A7) (LR sence (A8) (LRR U k (A9) (LRR P, T) Below Dark Surface k Surface (A12) irie Redox (A16) (N cky Mineral (S1) (Le eyed Matrix (S4)	, T, U) RR P, T, U) e (A11)	Redox Depri Marl (F10) (I Depleted Oc Iron-Mangar Umbric Surf Delta Ochric Reduced Ve	rwise note elow Surface (S9) ry Mineral II ed Matrix (II thrix (F3) Surface (FI rk Surface essions (FI LRR U) chric (F11) nese Mass ace (F13) (II critic (F18) (II coodplain S	ed.) ce (S8) (L) (LRR S, (F1) (LRF F2) 66) ((F7) 8) (MLRA 1 es (F12) ((LRR P, T LRA 151) (MLRA 1: Soils (F19)	ERR S, T, U T, U) C O) 51) (LRR O, P T, U) 50A, 150B	Indicators U) 1 cm M 2 cm M Reduc Piedm Anoma (MLF Very S Other 7,T) 3Indic wer unl	PL=Pore Lining, M=Matrix. for Problematic Hydric Soils fluck (A9) (LRR 0) fluck (A10) (LRR S) ed Vertic (F18) (outside MLR, ont Floodplain Soils (F19) (LR flous Bright Loamy Soils (F20) RA 153B) arent Material (TF2) hallow Dark Surface (TF12) (Explain in Remarks) sators of hydrophytic vegetatio cland hydrology must be prese ess disturbed or problematic.	A 150A,B R P, S, T
estrictive La Type:	ace (S7) (LRR P, S ayer (if observed): nes):	:					Hydric Soil	Present? Yes N	lo

Environmental Field Surveys Wetland Photo Page



Wetland data point wrog001s_w2 facing southwest.



Wetland data point wrog001s_w2 facing northwest.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: ACP	City/County:	Robosus Co	Sampling Date: 9/9/11/				
Applicant/Owner:			Sampling Point: <u>Uro a 201.</u>				
Investigator(s): DD West (CPP)	Section, Township, Range						
Landform (hillslope, terrace, etc.): Corn Field			Slope (%) 6 1 5				
Subregion (LRR or MLRA): 4 RR 1 Lat: 3	10 45 555	53 Long: 7903	21.34/ Datum:				
Soil Map Unit Name: Coxy: 11e			assification: 107 mapped				
Are climatic / hydrologic conditions on the site typical for this time of							
Are Vegetation, Soil, or Hydrology significant			ces" present? Yes X No No				
Are Vegetation, Soil, or Hydrology naturally p		(If needed, explain any a					
SUMMARY OF FINDINGS – Attach site map showing			,				
		<u>, , , , , , , , , , , , , , , , , , , </u>					
Hydrophytic Vegetation Present? Yes No Y	- Is the Sar	npled Area	er en				
Hydric Soil Present? Wetland Hydrology Present? Yes No X	within a V	Vetland? Yes	No <u>></u>				
Remarks: Planted Corn Field rea	aly for	hasvest					
HYDROLOGY							
Wetland Hydrology Indicators:		Secondary	Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply	y)(y	Surface	e Soil Cracks (B6)				
Surface Water (A1) Aquatic Fauna (E	· · · · · · · · · · · · · · · · · · ·						
High Water Table (A2) Marl Deposits (B							
Saturation (A3) Hydrogen Sulfide			Frim Lines (B16)				
Water Marks (B1) Oxidized Rhizos			eason Water Table (C2)				
Sediment Deposits (B2) Presence of Red Drift Deposits (B3) Recent Iron Red		•	tion (C8)				
Drift Deposits (B3) Recent Iron Red Algal Mat or Crust (B4) Thin Muck Surfa			tion Visible on Aerial Imagery (C9) orphic Position (D2)				
Iron Deposits (B5) Other (Explain in			w Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)	, i toma, no,		leutral Test (D5)				
Water-Stained Leaves (B9)			num moss (D8) (LRR T, U)				
Field Observations:	_						
Surface Water Present? Yes No Depth (inch	es): 216						
Water Table Present? Yes No _K Depth (inch	/						
Saturation Present? Yes No _K Depth (inch	es): <u> </u>	Wetland Hydrology F	Present? Yes No <u></u>				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial ph	otos, previous inspe	ctions), if available:					
Remarks:							
Wotland hydrology	not pres	Project					
		•					
			,				

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

Sampling Point: 4001 - 0

		Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size:)	<u>% Cover</u>	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)
4.	-				
5				Percent of Dominant Species That Are OBL, FACW, or FAC:	(Δ/R)
6				mache obe, i how, of the.	(~6)
7				Prevalence Index worksheet:	
8.				Total % Cover of: Multiply by:	
		- Total Ca		OBL species x 1 =	_
50% of total cover:				FACW species x 2 =	
	20% of	total cove	T:	FAC species x 3 =	1
Sapling/Shrub Stratum (Plot size:)				FACU species x 4 =	1
1.				UPL species x 5 =	
2				l e e e e e e e e e e e e e e e e e e e	1
3				Column Totals: (A)	- (R)
4.				Prevalence Index = B/A =	
5.				Hydrophytic Vegetation Indicators:	
6				T	
7.				1 - Rapid Test for Hydrophytic Vegetation	ŀ
8.		***************************************		2 - Dominance Test is >50%	
		- Total Co		3 - Prevalence Index is ≤3.0¹	
F09/ official course		= Total Co		Problematic Hydrophytic Vegetation¹ (Explai	n)
50% of total cover:	20% of	total cove	r:		
Herb Stratum (Plot size:) 1. Z7 \(\alpha \text{V/S} \)	1 11	W	FACU	¹ Indicators of hydric soil and wetland hydrology r	nust
	40		11100	be present, unless disturbed or problematic.	
2. (Corn)				Definitions of Four Vegetation Strata:	1
3. <u> </u>			-	Tree – Woody plants, excluding vines, 3 in. (7.6	cm) or
4. Senna obtesitalia	_2_	\sim	FICU	more in diameter at breast height (DBH), regard	
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.					
9.				Herb – All herbaceous (non-woody) plants, regal of size, and woody plants less than 3.28 ft tall.	rdiess
10				Woody vine - All woody vines greater than 3.28	ft in
11.				height.	
12	- ++5				
40 =	5 40	= Total Co	ver		
50% of total cover: المراجعة	20% of	f total cove	r: <u>49 1</u>		
Woody Vine Stratum (Plot size:)	,	.)	~		
1. Smilax colonifolia		$\overline{\sim}$	FAC		
2					
3					
4.	-				
5		***************************************	-		
	- 	= Total Co		Hydrophytic Vegetation	
50% of total cover:				Present? Yes No	l
		total cove	r: <u> </u>		
Remarks: (If observed, list morphological adaptations beli	ow).				
_					
Λ			<i>p</i>		
Valed care tiel	-1 S	. roton	ditalio	you wang elge	
		real o	• ***		
A field.					
*					
					1

Sampling Point: Wnocol-U

Profile Desc	ription: (Describe	to the depth	needed to docu	ment the indica	tor or confir	m the absence	of indicator	s.)	$\neg J \neg$
Depth	Matrix		Redo	x Features					
(inches)	Color (moist)	<u> %</u> _	Color (moist)	<u>% Tyr</u>	e Loc²	<u>Texture</u>		Remarks	
0-10	10 YR 3/2	100_			***************************************	SNYIM			
10-18+	10 ya 5/4	100				caj. la			
	7					341444			
		-							
		·							
						-			
	oncentration, D=Dep				d Grains.	² Location:	PL=Pore Lir	ning, M=Matrix	₹.
Hydric Soll	Indicators: (Applic	able to all L	RRs, unless othe	rwise noted.)		indicators	for Problem	natic Hydric S	Solls ³ :
Histosol	1 .		Polyvalue B	elow Surface (S	B) (LRR S, T,	U) 1 cm M	luck (A9) (Li	RRO)	
	pipedon (A2)			urface (S9) (LRI		2 cm M	luck (A10) (I	.RR S)	
ı —	stic (A3)			y Mineral (F1) (LRR O)				ILRA 150A,B)
	n Sulfide (A4)		Loamy Gley						(LRR P, S, T)
	Layers (A5)		Depleted Ma	. ,		_	_	oamy Soils (F	F20)
	Bodies (A6) (LRR F		Redox Dark	, -		•	RA 153B)		
	icky Mineral (A7) (Ll esence (A8) (LRR L			rk Surface (F7)			arent Materia		- `
	ick (A9) (LRR P, T)	''	Redox Depr Marl (F10) (I	• ,				Surface (TF1:	2)
	d Below Dark Surfac	e (A11)		-RR 0) hric (F11) (MLR	Δ 151\	Other (Explain in R	emarks)	
1	ark Surface (A12)	0 (111)		iese Masses (F	•	T) ³ Indic	ators of hydr	ophytic veget	ation and
	rairie Redox (A16) (I	VILRA 150A)						gy must be pr	
	lucky Mineral (S1) (Delta Ochric				-	or problemat	
Sandy G	Sleyed Matrix (S4)			rtic (F18) (MLR .				•	
Sandy F	Redox (S5)		Piedmont FI	oodplain Soils (I	F19) (MLRA 1	49A)			
Stripped	Matrix (S6)		Anomalous	Bright Loamy So	oils (F20) (M L	RA 149A, 153C,	153D)		
	rface (S7) (LRR P,	· · · ·							
Restrictive	Layer (if observed)	:							
Туре:									
Depth (in	ches):					Hydric Soil	Present?	Yes	No 🗶
Remarks:									
	A1 1.		.1. 1.	_					
	Non-hyd	TC SC	2118 005	served.					
	,								
1									

wrog001_u



Upland data point wrog001_u facing east



Upland data point wrog001_u facing south

wrog001 soils



Wetland/upland soils

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: ACP City/C	County: Robeson Sampling Date: 5/9/16
Applicant/Owner: \(\sigma\)(\overline{\chi}\)(\overline{\chi}\)(\overline{\chi}\)	State: N C Sampling Point: Wrog 001 - u 2
Investigator(s): ESI-K. Maricham, 15, Murphrey Secti	on Township Range: NA
Investigator(s).	relief (concave, convex, none): $F(\Delta + Slope (\%))$: $O = 2$
Landform (nillslope, terrace, etc.):	106 Long: 7.05496 Datum: W658
Subregion (LRR or MLRA): LR Lat: 51. 700	Long: -/1.00 To Datum.vgos
Soil Map Unit Name: Tornunta & Lynn Haven Suils	NWI classification: NA
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 san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present?	
Remarks:	
HYDROLOGÝ	
	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators: 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) (LR	
Saturation (A3) Hydrogen Sulfide Odor (
Water Marks (B1) Oxidized Rhizospheres	
Sediment Deposits (B2)	
Drift Deposits (B3)	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 Remar	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
☐ Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	Α.
Surface Water Present? Yes No Depth (inches): _N	2011
Water Table Present? YesNo Depth (inches):	Wetland Hydrology Present? Yes No
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Demodes	
Remarks:	
*	

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

235142351		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 3084 X 3084) 1. Pinus topdo	% Cover	Species	Status FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Quellus nigra	70	Y	FAC	
3 IIEX OPACA	20	Y	FAC	Total Number of Dominant Species Across All Strata: (B)
4. 5.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8				OBL species x1 =
	100	= Total Co		
50% of total cover:	20% of	total cove	120	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 X 30 X)				FAC species x 3 =
1. Symplocos tinctoria	20	\rightarrow	FAC	FACU species x 4 =
2 QUETLUS DIOYO	30	4	FAC	UPL species x 5 =
3. Persea Palustris	5	N	FACH	Column Totals: (A) (B)
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.01
27	_55	= Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 27.	5 20% 0	total cove	r:	
Herb Stratum (Plot size: 308+ X 304+)	5	Y	FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Pteritium aquilinum 2. Clethra alniforia	20	4	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
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				
		= Total Co	-	
50% of total cover: 12-	<u>5</u> 20% of	total cove	r:	
Woody Vine Stratum (Plot size: 308+X308+)		17	-1-	
1. Smilax rutundisulia	10	_/_	FAC	
2. VITIS rotundifulia	10	7	FAC	
3				
4				
5.	5			Hydrophytic
	20	= Total Co	ver	Vegetation
50% of total cover:(\		4 4	Present? Yes No
Remarks: (If observed, list morphological adaptations below				
Remarks. (II observed, list morphological adaptations bell	J.,			

Profile Des	cription: (Describe t	to the depth	needed to docum	nent the i	ndicator	or confirm	the absence of indi	cators.)
Depth	Matrix		Redo	x Features	3			
(inches)	Color (moist)	100	Color (moist)	%	Type	Loc²	Texture	Remarks
0-7	104R2/1							
7-16	2.544/3	100					<u>SL</u>	
16-20	2,545/3	90 10)4R5/6	10	C	~	SCL	
	-							,
							2, ,, ,,	11-1 M-Matrix
¹Type: C=C	Concentration, D=Dep	letion, RM=R	educed Matrix, MS	S=Masked	Sand Gr	ains.		ore Lining, M=Matrix. oblematic Hydric Soils ³ :
	Indicators: (Application	able to all Li				DD C T I		
Histoso			Polyvalue Be					A10) (LRR S)
The second secon	pipedon (A2) listic (A3)		Loamy Muck					tic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleye			•		odplain Soils (F19) (LRR P, S, T)
	ed Layers (A5)		Depleted Ma				-	Bright Loamy Soils (F20)
	Bodies (A6) (LRR P		Redox Dark				(MLRA 15:	Material (TF2)
1	ucky Mineral (A7) (LF		Depleted Da Redox Depre					Dark Surface (TF12)
	resence (A8) (LRR U uck (A9) (LRR P, T)	,	Marl (F10) (L		٠,			in in Remarks)
	ed Below Dark Surface	e (A11)	Depleted Oc		(MLRA 1	51)		
	ark Surface (A12)		Iron-Mangan					of hydrophytic vegetation and
	Prairie Redox (A16) (M							ydrology must be present, sturbed or problematic.
	Mucky Mineral (S1) (I	LRR O, S)	Delta Ochric Reduced Ve					starbed of problematic.
	Gleyed Matrix (S4) Redox (S5)		Piedmont Flo					
	d Matrix (S6)						RA 149A, 153C, 153D	0)
	urface (S7) (LRR P, S	s, T, U)	2 - 10 X		173		- W	
Restrictive	Layer (if observed):							
Type:								
Depth (in	nches):	1000					Hydric Soil Pres	ent? Yes No
Remarks:	The second second second second							

Environmental Field Surveys Wetland Photo Page



Upland data point wrog001_u2 facing southeast.



Upland data point wrog001_u2 facing northeast.

	ON DATA FORM – Atlantic and Gulf Coastal Plain Region
Project/Site ACP	City/County: Robeson Sampling Date: 9-9-14
Applicant/Owner: Dom (V) (5M	State: NC Sampling Point(NROHO) 6
Investigator(s). DUEST	Section. Township, Range:
Landform (hillslope, terrace, etc.): Depro	Sion Local relief (concave, convex, none): Concave Slope (%):
Subregion (LRR or MLRA)	Lat 34°45'41.794" Long 79°03'51.861" Datum: WS6 08
Soil Map Unit Name: Cox vill	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	
Are Vegetation, Soil, or Hydrology	
SUMMARY OF FINDINGS – Attach site ma	p showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	No Is the Sampled Area No within a Wetland? Yes No
Area was clear out	approx3-5 years ago
HYDROLOGY	44
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check a	
	tic Fauna (B13) Sparsely Vegetated Conçave Surface (B8)
	Deposits (B15) (LRR U)
111	gen Sulfide Odor (C1) Moss Trim Lines (B16) 2ed Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2)
	zed Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) crayfish Burrows (C8)
	nt Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
	Muck Surface (C7) Geomorphic Position (D2)
	(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)
	Depth (inches):
	Pepth (inches).
	Depth (inches): 7 (f Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring we	II. aerial photos, previous inspections), if available:
Remarks: /	
Hydrologie p	reson

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

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size)	% Cover	Species?	Status	Number of Dominant Species
2				That Are OBL, FACW, or FAC:(A)
1			***************************************	Total Number of Dominant
1				Species Across All Strata (B)
5				Percent of Dominant Species 1 17
6				That Are OBL, FACW, or FAC: (A/B)
7.				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
		= Total Cov		OBL species x 1 =
50% of total cpyer:				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 4)		/	·	FAC species x 3 =
1 Acor rubrym	20		FAC	FACU species x 4 =
2 Liquidantor sturge Alua	10		FAC	UPL species x 5 =
3. Magnolia Virginia	15	**	FACW	Column Totals (A) (B)
4. Cypylla racementora	1 (FACW	Prevalence Index = B/A =
5. Clare alpetolia	20		FACW	Hydrophytic Vegetation Indicators:
6				☐
7				2 - Dominance Test is >50%
8	737			3 - Prevalence Index is ≤3.01
50% of total cover:	70	= Total Cov	er 🗸	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 15 Herb Stratum (Plot size. DH)	20% of	total cover	: 10	
	سسے ہ	/	FAC	¹Indicators of hydric soil and wetland hydrology must
2 Ellamia nenor	10		FACW	be present, unless disturbed or problematic.
2 Ericanthus giganteus 3 Sirpus Cyperinus polostris 4 Ludwidgia possasiames	10		OBL	Definitions of Four Vegetation Strata:
4 Lucia dina menanta mata	15	-	OBL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5 Woodwooda Virginica	15	-	OB(_	more in diameter at breast height (DBH), regardless of height.
6 Plychan (Amphorala	10	$\sqrt{}$	FACW	Carling (Charles Meandernlants and office and office
Rhaxia yirginica	10	1	FACN	Sapling/Shrub – Woody plants, excluding vines less than 3 in. DBH and greater than 3,28 ft (1 m) tall.
8. Dichenthelium scoparium	10	J	FACW	Herb – All herbaceous (non-woody) plants, regardless
9. Mikanja scondens	_5_		FACW	of size, and woody plants less than 3.28 ft tall.
10			4	Woody vine – All woody vines greater than 3.28 ft in
11				height.
12				
L17		= Total Cov	10	
50% of total cover: 7/.	<u>5</u> 20% of	total cover	11	
Woody Vine Stratum (Plot size)	_	/	116	
I Smilax Paris, folia	5		FACW	
2.			***************************************	
3		***************************************		
4				,
5	~			Hydrophytic
50% of total cover: 2 · 5		= Total Cov	/	Vegetation Present? Yes No No
Sum of total cover: 2 · 3 Remarks (If observed, list morphological adaptations below		total cover		
de la constitución de la constit) V V J .			

WROHO16	S	 W
Sampling Point:		\sim

Profile Desc	ription: (Describe	to the depti	needed to docum	ent the i	indicator	or confirm	the absence of inc	licators.)	
Depth	Matrix								
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type'	Loc ²	Texture	Remarks	
0-6	104R2/1					STAWA	1 loan		
6-10	104R 4/1		10YR 4/14	2	C-	M. PL	Sam Du Ce	Diana di	<u> </u>
10-20	IDYR GIS		KUP X/3	7		140	SATORITE	CIAY I	JAM.
	1011-011		0/103/0			pr			
7 / 80 - 14000 (0010000.00.00.00.00.00.00.00.00.00.00.00	IN THE STANDARD CONTRACTOR AND ADDRESS OF THE STANDARD ST	#1.1.000 p. (note: \$100 p. m.					****		
		all of the other residence and the second second	- National Control of the Control of	Contraction and the party of page					
								The second of th	
t in the second									
Type: C=C	ancontration D=Da=I	DM 5							
Hydric Soil I	oncentration, D=Depl Indicators: (Applica	able to all I	RRs unless other	=Masked	Sand Gr	ains.		ore Lining, M=Matrix.	3
Histosol		able to all L					F1	oblematic Hydric Soils	3.
	pipedon (A2)		Polyvalue Bel	ow Surta	ce (S8) (L	.RRS, T, U	T-1		
Black Hi			Loamy Mucky	Mineral	(E1) (LRK 5,	1, U) 2 O)	2 cm Muck (A		4504.0\
	n Sulfide (A4)		Loamy Gleyed	Matrix ((† 1) (EIX F F2)	(0)	Piedmont Flo	tic (F18) (outside MLRA odplain Soils (F19) (LRF	(150A,B)
	Layers (A5)		Depleted Matr		,		Anomalous F	Bright Loamy Soils (F20)	(P, 5, 1)
Organic	Bodies (A6) (LRR P,	T, U)	Redox Dark S		6)		(MLRA 153		
5 cm Mu	cky Mineral (A7) (LR	R P. T, U)	Depleted Dark				Red Parent N		
Muck Pri	esence (A8) (LRR U)	•	Redox Depres		8)			Dark Surface (TF12)	
	ck (A9) (LRR P, T) Below Dark Surface	. / / 4 4)	Marl (F10) (LF				U Other (Explai	n in Remarks)	
	rk Surface (A12)	(A(11)	Depleted Ochi	ric (F11)	(MLRA 1:	51) 	·		
	airie Redox (A16) (N	ILRA 150A)	Iron-Mangane Umbric Surfac	se Masse	es (+12) (• • • • • • •	LRR O, P, 1		of hydrophytic vegetation	
Sandy M	ucky Mineral (S1) (L	RR O, S)	Delta Ochric (I	E17) (MIL	RA 151)	, 0)		ydrology must be presen turbed or problematic.	۲.
🔲 Sandy G	leyed Matrix (S4)		Reduced Verti			0A. 150B)	uness uis	turbed or problematic.	
	edox (S5)		Piedmont Floo				PA)		
	Matrix (S6)						A 149A, 153C, 153D)	
Dark Sur	face (S7) (LRR P, S.	T, U)							
	.ayer (if observed):								
Type:			- Section 1					(/	
eroner an arrangement of	thes).						Hydric Soil Prese	nt? Yes X No	
Remarks	•	The second of the second of the	Charles and the second	- 1 - M - W - W - Berner W - Company	*** **** **** *******			and the place of the control of the	
							^		
		1	ydriz s	` `	\cap		4		
		1 20	yourc s	o	\searrow $_{F}$	res	en		
		_)		'		4		
THE RESERVE ASSESSMENT OF THE RESERVE AND ADDRESS.		*****							

wroh016s_w



wroh016s_w facing north



wroh016s_w facing east

wroh016 soil



wroh016 soil

WEILAND DE	ELERIVINATION DATA FOR	M – Atlantic and Gulf	Coastal Plain Region
Project/Site ACP			
Applicant/Owner: Domini	5~	Sourity.	te: VC Sampling Point ROHO(S
Investigator(s): DDUES			e: Sampling Point: 1017011
Landform (hillslope, terrace, etc.):	edo Maria lora	I relief (concave, convoy, nos	(a) () () () () () () () () ()
Subregion (LRR or MLRA).	Lat: 34°45	41.781 long: 79	"04'28.38Z" Datum: <u>W56 Oz</u>
Soil Map Unit Name: 🙀 🤾	ains	Long. Li	NWI classification:
Are climatic / hydrologic conditions on th	e site typical for this time of year?	res No (If n	
Are Vegetation, or h	Hydrology significantly distri		cumstances" present? Yes No
Are Vegetation, Soil, or h			ain any answers in Remarks.)
		•	
The state of the s	tach site map showing san	npling point locations	, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes No No Yes No No	is the Sampled Area within a Wetland?	Yes No
	parameters p	nesen	
HYDROLOGY			
Wetland Hydrology Indicators:		99	condary 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	RU)	Drainage Patterns (B10)
Saturation (A3)	Hydrogen Sulfide Odor (Moss Trim Lines (B16)
Water Marks (B1)	Oxidized Rhizospheres :	along Living Roots (C3)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Presence of Reduced Iro		Crayfish Burrows (C8)
Drift Deposits (B3)	Recent Iron Reduction in	n Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (84)	Thin Muck Surface (C7)	, koners	Geomorphic Position (D2)
Iron Deposits (B5)	Other (Explain in Remar	ks)	Shallow Aquitard (D3)
Inundation Visible on Aerial Image	ry (B7)		FAC-Neutral Test (D5)
Water-Stained Leaves (B9)		I automatical and a second	Sphagnum moss (D8) (LRR T, U)
Field Observations:	×		
Surface Water Present? Yes	No Depth (inches):	A-7504A-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
Water Table Present? Yes	No Depth (inches)		\checkmark
Saturation Present? Yes(includes capillary fringe)	No Depth (inches):	Wetland Hyd	rology Present? Yes No No
Describe Recorded Data (stream gaug	e, monitoring well, aerial photos, pr	 evious inspections), if availab	ole:
Remarks:			
A Dalo	Egy present		
	The Breson	N	
Accordance of the Contract of			

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

Sampling Point: _____

2. 0	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30)		Species?		
1. Pinus talla	60	1	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Nuna sulmatica	5		FAC	That Are OBL, FACW, or FAC: (A)
	-	-	-	Total Number of Dominant
3 Lyen and or Styrouthe	(—)		+AC	Species Across All Strata: (B)
4. Orlessus nigra	$\overline{}$		PAC	D
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:
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	_15_	= Total Cov	/er	OBL species x 1 =
50% of total cover 37.5	20% of	f total cover	: 15	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 ++ )		1		FAC species x 3 =
1- Symposos tenctoria	20		Fr	FACU species x 4 =
2 figur antrar Styragoflus	10		FAC	UPL species x 5 =
3. Vaccinium corymossum	10	1	FACW	Column Totals: (A) (B)
4. Ilon opaca	15		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 ≤3.0'
	4/5	= Total Cov	/er $\bigcirc$	
$\frac{58\%}{100}$ of total cover: $\frac{22}{100}$	5 20% 0	f total cover	9	Problematic Hydrophytic Vegetation' (Explain)
Herb Stratum (Plot size) 58% of total cover: 22		/	·	
1. Doccinium conjulosum	1.0	/	FALW	Indicators of hydric soil and wetland hydrology must
7		<del></del>		To process, amode dictarged of problematic.
				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
J,				height.
The state of the s				Sapling/Shrub Woody plants, excluding vines less
7.		# Professional Committee C		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8	***************************************			
9.		**************************************		Herb - All herbaceous (non-woody) plants, regardless
10			***************************************	of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12				
$\sim$	10	= Total Cov	ver	
50% of gotal cover: 6	20% o	f total cover	: 2	
Woody Vine Stratum (Plot size. 30 ft )				
1				
2				
3		-		
4				
				Hydrophytic
		= Total Cov	ver	Vegetation
50% of total cover:	20% o	f total cover	·	Present? Yes No
Remarks (If observed, list morphological adaptations belo	w).			
		1	/	
Recently burner	1	lde	-Ce	clow layer absent
	` .	-	***	0
<u> </u>				

Sampling Point: Wrohosf w

Profile Des	cription: (Describe	to the dept	h needed to docum	ent the i	indicator	or confirm	the absence of in	dicators.)
Depth	Depth Matrix		Redox	Feature				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type'	Loc2	Texture	Remarks
10-5	104RZ/1	<u> 760 .</u>			****	****	<u>SL</u>	
5-8	2.5/5/1	98	104R5/4	2	$\subset$	P	SC (	
8-16	16485/1	98	10125/4	2	$\overline{C}$	M	SCC	
		- <u></u>						
	The state of the s				***************************************		PART WHITE THE PROPERTY OF THE PARTY OF THE	
*** : : * : *** * * * * * * * * * * * *		trada and microscopic contraction in page 1	the delication is before the property of the designation of the second o				**************************************	
	- Apprelian is the control of the co							
					***************************************	P-Waterwick-Industry-man appears.		
'Type: C=C	Concentration D=Do	plotion DM=	Reduced Matrix, MS=				2	
Hydric Soi	Indicators: (Appli	cable to all I	RRs, unless otherw	ise not	Sand Gr	ains.		Pore Lining, M=Matrix.
Histoso						DD 0 ** 1	[]	Problematic Hydric Soils ³ :
1 2	pipedon (A2)		Polyvalue Belo	SING WE	ce (58) (L	KK 5, 1, L T 11)		(A9) (LRR O)
t the same of the	listic (A3)		Loamy Mucky	Mineral	/ (LNK 3, (F1) (LRR	1, 0) Ol		(A10) (LRR S) ertic (F18) (outside MLRA 150A,B)
Hydrog	en Sulfide (A4)		Loamy Gleyed			. 0,		loodplain Soils (F19) (LRR P, S, T)
	ed Layers (A5)		Depleted Matri		,			Bright Loamy Soils (F20)
	Bodies (A6) (LRR I		Redox Dark St	urface (F	6)		(MLRA 1	, , , ,
5 cm M	ucky Mineral (A7) (L	.RR P, T, U)	Depleted Dark				Red Parent	Material (TF2)
	resence (A8) (LRR I		Redox Depres		8)		, man	w Dark Surface (TF12)
Denlete	uck (A9) <b>(LRR P, T)</b> ed Below Dark Surfai	co /A11)	Marl (F10) (LR				U Other (Expl	ain in Remarks)
Thick C	Park Surface (A12)	CC (ATT)	Depleted Ochr Iron-Manganes				<b>77.</b> 314:	
	Prairie Redox (A16) (	MLRA 150A	Umbric Surface	e (F13) (	URRPT	LKK O, P,		of hydrophytic vegetation and hydrology must be present.
	Mucky Mineral (S1) (		Delta Ochric (F	- (1 70) ( - 17) (ML	.RA 151)	, 0,		isturbed or problematic.
Sandy	Gleyed Matrix (S4)	•	Reduced Verti			0A, 150B)	amoo a	istanbed of problematic.
	Redox (S5)		Piedmont Floo					
	d Matrix (S6)		Anomalous Bri	ght Loar	ny Soils (l	20) (MLR	A 149A, 153C, 153	D)
	urface (S7) (LRR P,			~~~~~~				
	Layer (if observed)	):						
Type:		· · · · · · · · · · · · · · · · · · ·						✓
	nches).						Hydric Soil Pres	ent? Yes No No
Remarks			THE ORDER OF THE PERSON OF THE	THE R. P. LEWIS CO., LANSING, MICH.	THE STREET, AND AS A TANK AND ADDRESS.	of the contribute of the control of	and the second section of the section	MACO - NO SALAMATA - IN CAMPA CONTRACTOR STREET, AND SALAMATE AND SALA
		i ,	•		(	7		
		Hera	ric Soll	Pre	Snoce	Ž		
		• •		•				
								ļ
	· · · · · · · · · · · · · · · · · · ·							·

# wroh015f_w



wroh015f_w facing north



wroh015f_w facing east

WETLAND DETERMINATION DATA FORM - Atlantic	and Gulf Coastal Plain Region
	Leson Sampling Date: 9-9-14
	State: NC Sampling Point WROHOLS
Investigator(s) Section, Township, R.	ange:
Landform (hillslope, terrace, etc.): LOCAL relief (concave,	convex, none): Slope (%):
Landform (hillslope, terrace, etc.): UN Local relief (concave, Subregion (LRR or MLRA) Lat: 346 45 41. 770	) Long 79°04'28.855 Datum: WS6 DE
Soil Map Unit Name: 6d 550	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No_	
Are Vegetation Soil or Hydrology significantly disturbed? Are	\ /
And Marketine and Annual Annua	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point	locations, transects, important features, etc.
vveitariu Hydrology Present? Yes No	and? Yes No
Notall three parameters pr	esert
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)  High Water Table (A2)  Aquatic Fauna (B13)  Marl Deposits (B15) (LRR U)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  All High Water Table (A2)  All Hydrogen Sulfide Odor (C1)	☐ Drainage Patterns (B10) ☐ Moss Trim Lines (B16)
Water Marks (B1)  Oxidized Rhizospheres along Living Root	
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) ☐ Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Field Observations:	Spriagram moss (Bo) (Error 1, 0)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Saturation Present? Yes No Depth (inches): W (includes capillary fringe)	etland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspection	is), if available:
Remarks:	
Na hydrology p	resent
	l l

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

7 State (2)	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size. 50 )	% Cover Species? Status	Number of Dominant Species
1. Pinotada	60 × FAC	That Are OBL, FACW, or FAC: (A)
2. Cherus tal cata	10 FACU	Total Number of Dominant
3. Querzus maritanelican	5 FACU	Species Across All Strata (B)
4 Liquidanter Styraciflua	10 FAC	Percent of Dominant Species
5. Nyssosylvatica	10 FAC	That Are OBL, FACW, or FAC: (A/B)
6		
7.		Prevalence Index worksheet:
8.		Total % Cover of:Multiply by:
/19	15 = Total Cover	OBL species x 1 =
50% of totalicover: 47,	5 20% of total cover: 19	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 ft )	10	FAC species x 3 =
1- Dyssa sylvation	10 / FAC	FACU species x 4 =
2 Orieran talcatar	15 V/ FACU	UPL species x 5 =
3. Sympocos, finctiona	25 V FAC	Column Totals: (A) (B)
4. Liquid ombor styraceoliver	10 FAC	Prevalence Index = B/A =
		Hydrophytic Vegetation Indicators:
6		. 1 - Rapid Test for Hydrophytic Vegetation
7		2 - Dominance Test is >50%
8		3 - Prevalence Index is ≤3.0 ¹
_	60 = Total Cover	
50% of total cover:	20% of total cover: 17	Problematic Hydrophytic Vegetation¹ (Explain)
Herb Stratum (F'lot size)		No. 20 12 12 14 14 14 14 14
Market Market		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
l		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.
?		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 of size, and woody plants less than 3.28 ft tall.
		of size, and woody plants less than 5.20 it tall.
10		Woody vine - All woody vines greater than 3.28 ft in
11		height.
12		
50% of total cover	= Total Cover	
50% of total cover:	40% or (otal cover:	
Woody Vine Stratum (Plot size )		
2		
-		
		Hydrophytic
500	= Total Cover	Vegetation Present? Yes No
	20% of total cover:	
Remarks (If observed, list morphological adaptations belo		,
Rocar Hl. Gurnod in	a horhacom	10/10/10/10/10
Recently burned - n	0 . 50 . 50	a my particular
		-

Sampling Point: WrohUK-U

Depth	cription: (Describe to the dep			or confirm	the absence	of indicators.)	
(inches)	Matrix Color (moist) %	Color (moist)	ox Features%Type	Loc ²	Texture	D	
0-4	104RZ/2	Golor (moist)		1.00	3L		narks
71 10	A K V m / n				<u> </u>	570 uncoat	<u>ed</u>
7-11	3.9/5/5			-	SC Lad		
ALSO MAIN THOUSANT STREET, MICH.	15.00.01.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	and handers a service of the said the board was a service of					
			***				
					***************************************		
¹Type: C=C	ancontration D-D1-4 DM	0.1		-	2		
Hydric Soil	oncentration, D=Depletion, RM Indicators: (Applicable to all	=Reduced Matrix, M	IS=Masked Sand G	rains.		PL=Pore Lining, M	
☐ Histosol						for Problematic H	ydric Soils':
<u></u>	pipedon (A2)	Polyvalue B	elow Surface (S8) (	LRR S, T, U		Muck (A9) (LRR 0)	
	stic (A3)	I Inin Dark S	urface (S9) (LRR S	, T, U)		Muck (A10) (LRR S)	
<del></del>	m Sulfide (A4)		ky Mineral (F1) (LR	R O)	Reduc	ed Vertic (F18) (out	tside MLRA 150A,B)
Lange Control	Layers (A5)	Depleted Ma	ed Matrix (F2)				(F19) (LRR P, S, T)
	Bodies (A6) (LRR P, T, U)	<del></del>	Surface (F6)			alous Bright Loamy RA 153B)	Soils (F20)
5 cm Mu	icky Mineral (A7) (LRR P. T. U		ark Surface (F7)		1 1	arent Material (TF2)	
Muck Pr	esence (A8) (LRR U)	Redox Depr			71	Shallow Dark Surface	
	ick (A9) (LRR P, T)	Marl (F10) (I				(Explain in Remarks	, ,
	d Below Dark Surface (A11)	Depleted Oc	chric (F11) (MLRA 1	51)		<b>,</b>	-,
	ark Surface (A12)	Iron-Mangar	nese Masses (F12)	(LRR O, P,	T) ³ Indic	cators of hydrophytic	vegetation and
	rairie Redox (A16) (MLRA 150)	1	ace (F13) (LRR P,			land hydrology mus	
Sandy IV	Mucky Mineral (S1) (LRR O, S)		(F17) (MLRA 151)		unl	ess disturbed or pro	blematic.
	Sleyed Matrix (S4) dedox (S5)		ertic (F18) (MLRA 1				
	Matrix (S6)		oodplain Soils (F19				
	rface (S7) (LRR P, S, T, U)	Anomalous	Bright Loamy Soils	(F20) (MLRA	4 149A, 153C	, 153D)	
	ayer (if observed):				<u> </u>		
Type:							
,,	ches).	-					17
Remarks	VIII ( )	**************************************	PPORES - CONTOCO - Ex Emilyour - Sygney - Spr St. Schools do. 1 - Schools de	f :	Hydric Soil	Present? Yes	No <u>X</u>
Remarks							
			^	N			
	11	- soil n	1 - 101	011			
	Hudric	5011 n	or pres				
	1						
		****					

# wroh015_u



wroh015_u facing south



wroh015_u facing west

## wroh015 soil



wroh015 soil

WEILAND DETERMINATION DATA	FURIVI - Atlantic and Guit Coastal Plain Region
Project/Site P	City/County: $\frac{ROSSON}{State: NC}$ Sampling Date: $\frac{9-9-14}{Sampling Point: WROHO1$
Applicant/Owner: Dominion	State: NC Sampling Point: WRDHOIL
The state of the s	Section, Township, Range:
	Local relief (concave, convex, none): Concave Slope (%):
Subregion (LRR or MLRA) Lat 34/8	45'41.395 Long 79"04'38.506" Datum: W560
0.314 11.314	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of ye	/ear? Yes No (If no explain in Remarks )
	y disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pr	
Solvinary or Findings - Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wes No	Is the Sampled Area within a Wetland? Yes No
Remarks: All theer parameters	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 (B:	
High Water Table (A2)  Marl Deposits (B1	
Saturation (A3) Hydrogen Sulfide  Water Marks (B1) Oxidized Rhizosol	
Sediment Deposits (B2)  Presence of Redu	pheres along Living Roots (C3)  Dry-Season Water Table (C2)  Capitals Burgage (C9)
	uced Iron (C4)
Algal Mat or Crust (B4)  Thin Muck Surface	man.
Iron Deposits (B5) Other (Explain in	Phone
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 (inche	
Water Table Present? Yes No Depth (inche	
Saturation Present? Yes No Depth (inche (includes capillary fringe)	wetland Hydrology Present? Yes No No
Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if available:
Remarks:	
Hydrologey p	resent