Project/Site: +CP	City/County: Camber 10nd Sampling Date: 5/12/16
Applicant/Owner: Dominion	State: NC Sampling Point: Wcmr003-1
Investigator(s): ESI-K, marknam, K, murphrey	
Landform (hillslong terrace etc.): Flort	l ocal relief (concave, convex, none); Fig. Slope (%): 0-2
Subsection (I BB or MI BA): LRRP	03510 Long: -78.73779 Datum: W65 8
Soil Map Unit Name: Wagrom 10amy Sond, 0-6	Plo SIOPES NWI classification: N/A
Soil Map Unit Name: Mootor 10001011	NVVI classification.
Are climatic / hydrologic conditions on the site typical for this time of ye	
	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	
Hydric Soil Present? Hydric Soil Present? Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No No
Wetland Hydrology Present? Yes No	within a Wetland? Yes No
Remarks:	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	
High Water Table (A2) Saturation (A3) Hydrogen Sulfide C	
	eres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduc	
	ion in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	
Iron Deposits (B5) Uher (Explain in R	The state of the s
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
	Spriagridin moss (56) (Erric 1, 5)
Surface Water Present? Yes NoDepth (inches)	· NA
Water Table Present? Yes No Depth (inches)	>2011
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), ii available.
Remarks:	
5. 47	
*	

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

2000	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 304 X 304) 1. Pinus toco	% Cover	Species?	Status FAC	Number of Dominant Species That Are OBL FACW of FAC: (A)
		-/-	THU	That Are OBL, FACW, or FAC: (A)
3.				Total Number of Dominant Species Across All Strata:(B)
4				Percent of Dominant Species / 79
5				That Are OBL, FACW, or FAC: 6/96 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8	20	= Total Co		OBL species x 1 =
50% of total cover:	20%	total cover	ver H	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 304 X 304 X)	20% 01	total cover		FAC species x 3 =
1. Liquidambor stylacifina	60	Y	FAC	FACU species x 4 =
2 Morella cerifera	15	N	FAC	UPL species x 5 =
3. Pinus taeda	10	N	FAC	Column Totals: (A) (B)
4. QUETCUS nigra	10	N	FAC	Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	76			3 - Prevalence Index is ≤3.01
1.7	45	= Total Co	ver Q	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: <u>47.</u>	20% of	total cover	:	
1. Asplenium plotyneurun	5	4	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Chasmonthium laxum	5	Y	FACW	Definitions of Four Vegetation Strata:
3. Rubus trivialis	10	4	FACU	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	20	= Total Co		
50% of total cover:		total cover	1 1	
Woody Vine Stratum (Plot size: 30F1X3451	20 /8 01	total cover		
1. Copi Semium sempervirens	10	1	FAC	
2		,		
3				
4.				
5				Hydrophytic
	10	= Total Co	ver	Vegetation
50% of total cover:		f total cover		Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
,				

Depth $\frac{Matrix}{Color (moist)}$ $\frac{Redox Features}{Color (moist)}$ $\frac{Color (moist)}{3.543/2}$ $\frac{COlor (moist)}{3.543/3}$ $\frac{COlor (moist)}{3.543/3}$ $\frac{COlor (moist)}{3.543/3}$ $\frac{COlor (moist)}{3.543/3}$ $\frac{COlor (moist)}{3.544/4}$ $\frac{Color (moist)}$	Texture Remarks L S SCL SCL
0-16 2.545/3 100	SCL SCL
	SCL SCL
9-20 2,594/4 100	SCL
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils3:
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U	J) 1 cm Muck (A9) (LRR O)
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T) Anomalous Bright Loamy Soils (F20)
Stratified Layers (A5) Depleted Matrix (F3) Pedes Park Surface (F5)	(MLRA 153B)
Organic Bodies (A6) (LRR P, T, U) S cm Mucky Mineral (A7) (LRR P, T, U) Redox Dark Surface (F6) Depleted Dark Surface (F7)	Red Parent Material (TF2)
Muck Presence (A8) (LRR U) Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151)	
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P,	T) Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B)	
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 14 Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLR	RA 149A, 153C, 153D)
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLR Dark Surface (S7) (LRR P, S, T, U)	
Restrictive Layer (if observed):	
Type:	
Depth (inches):	Hydric Soil Present? Yes No
Remarks:	



Upland data point wcmr003_u facing east.



Upland data point wcmr003_u facing north.

Project/Site: ACP City/C	County: Cumber and Sampling Date: 4/18/16
Applicant/Owner: Dominion	State: N C Sampling Point: Wcm0 0 27f_1
Applicant/Owner:	State. 77 O Sampling Com.
Investigator(s): Li Roper 5, Bryan Section	on, Township, Range: VYOTTE
	relief (concave, convex, none): Slope (%): 0 -2
Subregion (LRR or MLRA): LRR P Lat: 35.02	6711 Long: -78.738712 Datum: WG584
Soil Map Unit Name: Torhunta and Lynn Haver	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly distur	/
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing san	ipling point locations, transects, important leatures, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks: Abnormally dry conditions	
Thomas in any	
NCWAM: Pacosin	
HYDROLOGÝ	
	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) High Water Table (A2) Marl Deposits (B15) (LRI	
High Water Table (A2) Saturation (A3) Marl Deposits (B15) (LRI Hydrogen Sulfide Odor (6)	, –
Water Marks (B1) Oxidized Rhizospheres a	· –
Sediment Deposits (B2) Presence of Reduced Iro	
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in	
Algal Mat or Crust (B4)	Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remark	ks) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	EAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	NH
Water Table Present? Yes No Depth (inches):	320
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

17.00 17.00	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft x 30 ft)		Species?		Number of Dominant Species
1. Aur robrum	20	- y	FAC	That Are OBL, FACW, or FAC: (A)
2. Persea borbonia	20	<u>y</u>	FACW	Total Number of Dominant
3. Pinus taeda	10	<u>y</u>	FAC	Species Across All Strata: (B)
4.				D (D i
5			PER TOTAL PROPERTY OF THE PARTY	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.			THE RESERVE OF THE PARTY OF THE	That Ale Obe, 17, 611, 611, 61
7	CHERT THREST OF THE			Prevalence Index worksheet:
The Control of the Co				Total % Cover of: Multiply by:
8	ED	T.1.10		OBL species x 1 =
50% of total cover: 25		= Total Cov		FACW species x 2 =
	20% of	total cover	:_10_	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30f+x30f+)	10	V	Chall	FACU species x 4 =
1. Vaicinium corymbosom			FACW	UPL species x 5 =
2. Ilex coriacea		<u>y</u>	FACW	Column Totals: (A) (B)
3. Lyonia lucida	20	7	FACW	Column Totals (7) (5)
4.				Prevalence Index = B/A =
5.		ALL THE SE		Hydrophytic Vegetation Indicators:
6.				1 - Rapid Test for Hydrophytic Vegetation
7.	Special company of status of	Cold material lights being	Secondary management	2 - Dominance Test is >50%
8.				☐ 3 - Prevalence Index is ≤3.0¹
	50	= Total Cov	/er	[1] - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
50% of total cover: 25	A			Problematic Hydrophytic Vegetation ¹ (Explain)
Herb Stratum (Plot size: 30 + x 30 +)	20% 01	total cover		
	17	V	FACW	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Vaccinium corymbosom			FACH	Definitions of Four Vegetation Strata:
2. Thex corracea	10			Definitions of Four Vegetation Strata.
3. Lyonia lucida	- 10		FACW	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6.				Sapling/Shrub - Woody plants, excluding vines, less
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			300000	
12;	30	= Total Co	ıor	
50% of total cover:		f total cover		
Woody Vine Stratum (Plot size: 30ft x 30ft)	20% 0	total cover	-	
1. Smilax rotundifolia	20	V	FAC	
1. Smilax Ibibliationa	200000000000000000000000000000000000000		1110	
2.				
3.				
4.				
5				Hydrophytic
	20	= Total Co	ver	Vegetation Present? Yes V
50% of total cover: 10	20% 0	f total cove	:_4_	Present? YesV_ No
Remarks: (If observed, list morphological adaptations below				

Profile Desc	ription: (Describe	to the depth	needed to docu	ment the in	ndicator or	confirm	the absence	of indica	tors.)
Depth	Matrix		Redo	x Features	3				
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc²	Texture		Remarks
0-120	10 YR3/1	100					mucky so	ano	4.1 (1.1 (1.1 (1.1 (1.1 (1.1 (1.1 (1.1 (
						California (c.			
								in all or	Charles and Administration and the Company of the C
¹Type: C=C	oncentration, D=Dep	oletion, RM=R	Reduced Matrix, M	S=Masked	Sand Grain	ns.	² Location:	PL=Pore	Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all Li	RRs, unless othe	rwise note	ed.)		Indicators	for Probl	lematic Hydric Soils ³ :
☐ Histosol			Polyvalue B			R S, T, U		Auck (A9)	
	oipedon (A2)		Thin Dark S	urface (S9)	(LRR S, T	, U)) (LRR S)
Black H	stic (A3)		Loamy Muck)			(F18) (outside MLRA 150A,B)
To the same NOW NOT A STORY OF THE LAST	en Sulfide (A4)		Loamy Gley		F2)				plain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma				PUT 12 CONTROL OF THE PROPERTY	emicare out of the spin and	ht Loamy Soils (F20)
	Bodies (A6) (LRR P		Redox Dark	inthe marketill what make which is it will				RA 153B) arent Mat	erial (TF2)
	ucky Mineral (A7) (Li resence (A8) (LRR L		Depleted Da						ark Surface (TF12)
HE SHOW THE LANGUAGE STREET	ick (A9) (LRR P, T)	-1)	Mari (F10) (0,				n Remarks)
	d Below Dark Surface	ce (A11)	Depleted Oc		(MLRA 15	1)			
VI. 1001-200-200-200-200-200-200-200-200-200	ark Surface (A12)		☐ Iron-Mangar						nydrophytic vegetation and
Coast P	rairie Redox (A16) (MLRA 150A)				U)			rology must be present,
	Mucky Mineral (S1) (LRR O, S)	Delta Ochric				unl	ess distur	bed or problematic.
	Gleyed Matrix (S4)		Reduced Ve						
	Redox (S5)		Piedmont FI				9A) A 149A, 153C	1530)	
The state of the s	Matrix (S6)	e T III	Anomalous	Bright Loai	iny Solis (F.	ZU) (WILK	A 148A, 1330	, 1550)	
	rface (S7) (LRR P, Layer (if observed)							TO SECULIAR	
	Layer (ii observed)								/
Type:	about.	1904	_				Hydric Soil	l Present	? Yes No
Paralla Standard Contract Con-	ches):						Tiyano oon		
Remarks:									



Wetland data point wcmo027f_w facing east.



Wetland data point wcmo027f_w facing northeast.

A/P	City/County: Comberland Sampling Date: 4/18/16				
	State: NC Sampling Point: WCmo 027e-w				
Applicant/Owner: Dominion Investigator(s): L. Roper, S. Bryan	The state of the s				
Investigator(s): L. Poper, St Bryach	Section, Township, Range.				
Landform (hillslope, terrace, etc.): T (Local relief (concave, convex, none): NDNC Slope (%): 0 - 3 02708 Long: -78.73900 Datum: W6584				
Subregion (LRR or MLRA): LR F F Lat: 33	Long: 10. 15 00 Datum: W6501				
	ven soils NW classification: PEM				
Are climatic / hydrologic conditions on the site typical for this time of year	ear? Yes No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significantly					
Are Vegetation, Soil, or Hydrology naturally pr					
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area				
Hydric Soil Present? YesNo	within a Wetland? Yes No				
Wetland Hydrology Present? Yes No					
Remarks: Abnormally dry condition	کا				
1 0					
Powerline, LOW					
HYDROLOGÝ					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required: check all that apply)					
Surface Water (A1) Aquatic Fauna (B1	사용 수업계속 전쟁 2000년 1일				
High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10)					
Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Doubling Related (C3) Doubling Related (C3)					
Water Marks (B1) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)					
	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4) Thin Muck Surface	19일에 12일 하는 12일				
Iron Deposits (B5) Other (Explain in F					
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)				
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)				
Field Observations:	a). Z 10				
Surface Water Present? Yes No Depth (inches	•/-				
Water Table Present? Yes No Depth (inchest					
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photo-	os, previous inspections), if available:				
Remarks:					
portions of wetland inundat	9 1				
Por mons of wertand inundar	CC				

1746 1746	Absolute	Dominar	nt Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30ff x 30ff) 1. None				Number of Dominant Species That Are OBL, FACW, or FAC:	3	_ (A)
2				Total Number of Dominant Species Across All Strata:	3	_ (B)
4,				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	_ (A/B)
6.		E-s-ballet		Prevalence Index worksheet:		
7.					Multiply by:	
8.				Total % Cover of:		
	0	= Total C	over	OBL species x		
50% of total cover:	A SHOULD BELLEVIA			FACW species x2		
Sapling/Shrub Stratum (Plot size: 30ft x 30ft)	207001	total cove		FAC species x:		
Sapling/Srirub Stratum (Plot size: DOT1 ADOT1)				FACU species x	4 =	
1. none				UPL species x !	5 =	10-
2				Column Totals: (A)		
4.				Prevalence Index = B/A =	Name and Advantage of the Advantage of t	
5,				Hydrophytic Vegetation Indica		
6.	Distance and Carlotte Advantages	Library Control (1995)	e d'accommutation area call	1 - Rapid Test for Hydrophyt		
7.				2 - Dominance Test is >50%	1	
8.				3 - Prevalence Index is ≤3.0		
	0	= Total C	over	Problematic Hydrophytic Veg	getation1 (Expl	lain)
50% of total cover:	20% of	total cove	er:		Jointon ()	
Herb Stratum (Plot size: 30++ × 30++)				¹ Indicators of hydric soil and wetl	land hydrology	must
1. Juneus effusos	15	-7	OBL	be present, unless disturbed or p	STREET,	
2. Typha latifolia	5	7	OBL	Definitions of Four Vegetation	Strata:	
3.				Tree - Woody plants, excluding	vines. 3 in. (7.	6 cm) or
4.				more in diameter at breast heigh	t (DBH), regar	dless of
5.				height.		
APPEARANCE OF THE PROPERTY OF						
6				Sapling/Shrub – Woody plants, than 3 in. DBH and greater than	3.28 ft (1 m) ta	es, iess all.
8.				Herb – All herbaceous (non-woo of size, and woody plants less th	dy) plants, reg	gardless
9.				of size, and woody plants less th	all 3.20 it tail.	
10. <u></u>		<u> </u>	W 1000000 AC	Woody vine - All woody vines g	reater than 3.2	28 ft in
11.				height.		
12.						
	20	= Total C	over			
50% of total cover: 10	A STATE OF THE RESERVE OF THE PARTY OF THE P	f total cov				
Woody Vine Stratum (Plot size: 30ff x 30ff)		total cov				
	ID	V	FACW			
1. Smilax laurifolia	10		1 11000			
2.						
3.						
4						
F				N. desphidie		
5.	10	= Total C	evor.	Hydrophytic Vegetation		
6				Present? Yes	No	
50% of total cover:5	20% of	f total cov	er:		STAR CHAST	
Remarks: (If observed, list morphological adaptations bel	low).	The State of				
Nemarks. (II observed, list morphological adaptations be-	· · · · · · · · · · · · · · · · · · ·					
나 가는 그 이 일하면 하면 하는 것을 하는 것이 없었다. 그 사람들은 사람들은 사람들은 사람들은 사람들은 사람들이 되었다.						

Sampling Point:

(inches) Color (moist) % Color (moist) % Type' Loc' Texture Remainder of the color (moist) % Type' Loc' Texture Remainder	rks
(ilicites) Coloi (ilioist) /8 Coloi (ilioist) /8 Type 200	Matrix. dric Soils³: side MLRA 150A,B; (F19) (LRR P, S, T) Soils (F20) t (TF12) vegetation and t be present, plematic.



Wetland data point wcmo027e_w facing east.



Wetland data point wcmo027e_w facing north.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region Project/Site: H Applicant/Owner: Dominion Investigator(s): Li Roper, S. Bryan Section, Township, Range: none Local relief (concave, convex, none): _____ ND N e__ Landform (hillslope, terrace, etc.): flat Lat: 35,02667 Long: -78,73882 Subregion (LRR or MLRA): LRR Lynn Haven soils NWI classification: Soil Map Unit Name: Torhunta and No ____ (If no, explain in Remarks.) Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes (If needed, explain any answers in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: HYDROLOGY 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) Aguatic Fauna (B13) Surface Water (A1) Drainage Patterns (B10) Marl Deposits (B15) (LRR U) High Water Table (A2) Moss Trim Lines (B16) Hydrogen Sulfide Odor (C1) Saturation (A3) Dry-Season Water Table (C2) Oxidized Rhizospheres along Living Roots (C3) Water Marks (B1) Crayfish Burrows (C8) Sediment Deposits (B2) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Thin Muck Surface (C7) Algal Mat or Crust (B4) Shallow Aquitard (D3) Other (Explain in Remarks) Iron Deposits (B5) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: Depth (inches): Surface Water Present? Water Table Present? No Depth (inches): Wetland Hydrology Present? Yes ___ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

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

LY A	no027_u
Sampling Point:	

3hC1 3hC+	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ff x 30ff)	% Cover Species? Status	Number of Dominant Species
1. none		That Are OBL, FACW, or FAC: (A)
2.		
THE STATE OF THE PROPERTY OF T		Total Number of Dominant Species Across All Strata: (B)
3,		Species Across All Strata.
4		Percent of Dominant Species
5,		That Are OBL, FACW, or FAC: (A/B)
6.		
7.		Prevalence Index worksheet:
8.		Total % Cover of: Multiply by:
b.	D = Total Cover	OBL species x 1 =
		FACW species x 2 =
50% of total cover:	20% of total cover:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30ft x30ft)		FACU species 30 x4 = 120
1. none		FACU species X4=
2.		UPL species
WANTED BY A DEPTH OF THE SECOND SECON		Column Totals: 35 (A) 145 (B)
3.	of transfer of the committee of the contraction of	
4.	 Line the constrainment if the issurfact theory is a formation of an arrangement. 	Prevalence Index = B/A = 41
5,	SOME SERVICE WILL SERVICE	Hydrophytic Vegetation Indicators:
6.		1 - Rapid Test for Hydrophytic Vegetation
7.		2 - Dominance Test is >50%
ATTEMPTOR REPORT TO THE AND REPORT OF THE PARTY OF THE PA		
8	6	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: 30f+ x 30f+)	,	¹ Indicators of hydric soil and wetland hydrology must
1. Opuntia stricta	5 N UPL	be present, unless disturbed or problematic.
2. Pteridium aquilinum	10 Y FACU	Definitions of Four Vegetation Strata:
	10 Y FACU	Deminions of Four Vegetation Grata.
3. Tridens flavus		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Sassafras albidum	10 / FACO	more in diameter at breast height (DBH), regardless of
5.		height.
6.	META-ANDERS SERVICIONES POR PERSONAL PRODUCTION AND AND AND AND AND AND AND AND AND AN	Sapling/Shrub – Woody plants, excluding vines, less
		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7		
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.
College of the contract of the		
12.	75	
	35 = Total Cover	
50% of total cover:	5 20% of total cover:	
Woody Vine Stratum (Plot size: 30f4 x 30f4)		
1. none		
是"AN 可使用的,可能是此间的的的。"		
2		
3.		
4.		
5.		Hydrophytic
	= Total Cover	Vegetation
		Present? Yes No No
50% of total cover:	20% of total cover:	
Remarks: (If observed, list morphological adaptations bel	ow).	

Profile Description: (Describe to the depth Depth (inches) Color (moist) % O	needed to document the indicator or confirm the Redox Features Color (moist) % Type Loc	Texture Remarks S S
¹Type: C=Concentration, D=Depletion, RM=F Hydric Soil Indicators: (Applicable to all L Histosol (A1) Histic 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): Type: Depth (inches): Remarks:	RRs, unless otherwise noted.) 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	wetland hydrology must be present, unless disturbed or problematic. A)



Upland data point wcmo027_u facing south.



Upland data point wcmo027_u facing west.

Project/Site: ACP City/C	County: Cumber and Sampling Date: 4/18/16
Applicant/Owner: Dominion	State: N C Sampling Point: Wcm0 0 27f_1
Applicant/Owner:	State. 77 O Sampling Com.
Investigator(s): Li Roper 5, Bryan Section	on, Township, Range: VYOTTE
	relief (concave, convex, none): Slope (%): 0 -2
Subregion (LRR or MLRA): LRR P Lat: 35.02	6711 Long: -78.738712 Datum: WG584
Soil Map Unit Name: Torhunta and Lynn Haver	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly distur	/
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing san	ipling point locations, transects, important leatures, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks: Abnormally dry conditions	
Thomas in any	
NCWAM: Pacosin	
HYDROLOGÝ	
	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) High Water Table (A2) Marl Deposits (B15) (LRI	
High Water Table (A2) Saturation (A3) Marl Deposits (B15) (LRI Hydrogen Sulfide Odor (6)	, –
Water Marks (B1) Oxidized Rhizospheres a	·
Sediment Deposits (B2) Presence of Reduced Iro	
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in	
Algal Mat or Crust (B4)	Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remark	ks) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	EAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	NH
Water Table Present? Yes No Depth (inches):	320
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

17.00 17.00	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft x 30 ft)		Species?		Number of Dominant Species
1. Aur robrum	20	- y	FAC	That Are OBL, FACW, or FAC: (A)
2. Persea borbonia	20	<u>y</u>	FACW	Total Number of Dominant
3. Pinus taeda	10	<u>y</u>	FAC	Species Across All Strata: (B)
4.				D (D i
5			PER TOTAL PROPERTY OF THE PARTY	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.			THE RESERVE OF THE PARTY OF THE	That Ale Obe, 17, 611, 611, 61
7	CHERT THREST OF THE			Prevalence Index worksheet:
The Control of the Co				Total % Cover of: Multiply by:
8	ED	T.1.10		OBL species x 1 =
50% of total cover: 25		= Total Cov		FACW species x 2 =
	20% of	total cover	:_10_	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30f+x30f+)	10	V	Chall	FACU species x 4 =
1. Vaicinium corymbosom			FACW	UPL species x 5 =
2. Ilex coriacea		<u>y</u>	FACW	Column Totals: (A) (B)
3. Lyonia lucida	20	7	FACW	Column Totals (7) (5)
4.				Prevalence Index = B/A =
5.		ALL THE SE		Hydrophytic Vegetation Indicators:
6.				1 - Rapid Test for Hydrophytic Vegetation
7.	Special company of status of	Cold material lights being	Secondary management	2 - Dominance Test is >50%
8.				☐ 3 - Prevalence Index is ≤3.0¹
	50	= Total Cov	/er	[1] - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
50% of total cover: 25	A			Problematic Hydrophytic Vegetation ¹ (Explain)
Herb Stratum (Plot size: 30 + x 30 +)	20% 01	total cover		
	17	V	FACW	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Vaccinium corymbosom		-/V	FACH	Definitions of Four Vegetation Strata:
2. Thex corracea	10			Definitions of Four Vegetation Strata.
3. Lyonia lucida	- 10		FACW	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6.				Sapling/Shrub - Woody plants, excluding vines, less
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			300000	
12;	30	= Total Co	ıor	
50% of total cover:		f total cover		
Woody Vine Stratum (Plot size: 30ft x 30ft)	20% 0	total cover	-	
1. Smilax rotundifolia	20	V	FAC	
1. Smilax Ibibliationa	200000000000000000000000000000000000000		1110	
2.				
3.				
4.				
5				Hydrophytic
	20	= Total Co	ver	Vegetation Present? Yes V
50% of total cover: 10	20% 0	f total cove	:_4_	Present? YesV_ No
Remarks: (If observed, list morphological adaptations below				

Profile Desc	ription: (Describe	to the depth	needed to docu	ment the in	ndicator or	confirm	the absence	of indica	tors.)
Depth	Matrix		Redo	x Features	3				
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc²	Texture		Remarks
0-120	10 YR3/1	100					mucky so	ano	4.1 (1.1 (1.1 (1.1 (1.1 (1.1 (1.1 (1.1 (
						Carrier to			
								in all or	Charles and Additional Accountability of
¹Type: C=C	oncentration, D=Dep	oletion, RM=R	Reduced Matrix, M	S=Masked	Sand Grain	ns.	² Location:	PL=Pore	Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all Li	RRs, unless othe	rwise note	ed.)		Indicators	for Probl	lematic Hydric Soils ³ :
☐ Histosol			Polyvalue B			RS, T, U		Auck (A9)	
	oipedon (A2)		Thin Dark S	urface (S9)	(LRR S, T	, U)) (LRR S)
Black H	stic (A3)		Loamy Muck)			(F18) (outside MLRA 150A,B)
To the same NOW NOT A STORY OF THE LAST	en Sulfide (A4)		Loamy Gley		F2)				plain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma				PUT 12 CONTROL OF THE PROPERTY	emicare out of the spin and	ht Loamy Soils (F20)
	Bodies (A6) (LRR P		Redox Dark	inthe marketill what make which is it will				RA 153B) arent Mat	erial (TF2)
	ucky Mineral (A7) (Li resence (A8) (LRR L		Depleted Da						ark Surface (TF12)
HE SHOW THE LANGUAGE STREET	ick (A9) (LRR P, T)	-1)	Mari (F10) (0,				n Remarks)
	d Below Dark Surface	ce (A11)	Depleted Oc		(MLRA 15	1)			
VI. 1001-200-200-200-200-200-200-200-200-200	ark Surface (A12)		☐ Iron-Mangar						nydrophytic vegetation and
Coast P	rairie Redox (A16) (MLRA 150A)				U)			rology must be present,
	Mucky Mineral (S1) (LRR O, S)	Delta Ochric				unl	ess distur	bed or problematic.
	Gleyed Matrix (S4)		Reduced Ve						
	Redox (S5)		Piedmont FI				9A) A 149A, 153C	1530)	
The state of the s	Matrix (S6)	e T III	Anomalous	Bright Loai	iny Solis (F.	ZU) (WILK	A 148A, 1330	, 1550)	
	rface (S7) (LRR P, Layer (if observed)							TO SECULIAR	
	Layer (ii observed)								/
Type:	about.	1992	_				Hydric Soil	l Present	? Yes No
Paralla Standard Contract Con-	ches):						Tiyano oon		
Remarks:									



Wetland data point wcmo027f_w facing east.



Wetland data point wcmo027f_w facing northeast.

A/P	City/County: Comberland Sampling Date: 4/18/16
	State: NC Sampling Point: WCmo 027e-w
Applicant/Owner: Dominion Investigator(s): L. Roper, S. Bryan	The state of the s
Investigator(s): L. Poper, St. Bryach	Section, Township, Range.
Landform (hillslope, terrace, etc.): T (Local relief (concave, convex, none): NDNC Slope (%): 0 - 3 02708 Long: -78.73900 Datum: W6584
Subregion (LRR or MLRA): LR F F Lat: 33	Long: 10. 15 00 Datum: W6501
	ven soils NW classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year	ear? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrology naturally pr	
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? YesNo	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks: Abnormally dry condition	کا
1 0	
Powerline, LOW	
HYDROLOGÝ	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: check all that apply)	
Surface Water (A1) Aquatic Fauna (B1	사용 수업계속 전쟁 2000년 1일
High Water Table (A2)	가능 들이 지역하다 등이 많아 있는 사람이 되는 사람이 되었다. 그 이 없는 이 사람들이 되었다면 하게 되었다면 하게 되었다면 하게 되었다면 하게 되었다면 하게 되었다면 하게 되었다.
Saturation (A3) Hydrogen Sulfide Ovidized Phizagen	Odor (C1)
☐ Water Marks (B1) ☐ Oxidized Rhizosph ☐ Sediment Deposits (B2) ☐ Presence of Redu	intricent from the fig. An electronic field from the color
	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface	19일에 12일 하는 12일
Iron Deposits (B5) Other (Explain in F	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	a). Z 10
Surface Water Present? Yes No Depth (inches	•/-
Water Table Present? Yes No Depth (inchest	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photo-	os, previous inspections), if available:
Remarks:	
portions of wetland inundat	9 1
Por mons of wertand inundar	CC

1746 1746	Absolute	Dominar	nt Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30ff x 30ff) 1. None				Number of Dominant Species That Are OBL, FACW, or FAC:	3	_ (A)
2				Total Number of Dominant Species Across All Strata:	3	_ (B)
4,				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	_ (A/B)
6.		E-s-ballet		Prevalence Index worksheet:		
7.					Multiply by:	
8.				Total % Cover of:		
	0	= Total C	over	OBL species x		
50% of total cover:	A SHOULD BELLEVIA			FACW species x2		
Sapling/Shrub Stratum (Plot size: 30ft x 30ft)	207001	total cove		FAC species x:		
Sapling/Srirub Stratum (Plot size: DOT1 ADOT1)				FACU species x	4 =	
1. none				UPL species x !	5 =	10-
2				Column Totals: (A)		
4.				Prevalence Index = B/A =	Name and Advantage of the Advantage of t	
5,				Hydrophytic Vegetation Indica		
6.	Distance and Carlotte Advantages	Library Control (1995)	e d'accommutation area call	1 - Rapid Test for Hydrophyt		
7.				2 - Dominance Test is >50%	1	
8.				3 - Prevalence Index is ≤3.0		
	0	= Total C	over	Problematic Hydrophytic Veg	getation1 (Expl	lain)
50% of total cover:	20% of	total cove	er:		Jointon ()	
Herb Stratum (Plot size: 30++ × 30++)				¹ Indicators of hydric soil and wetl	land hydrology	must
1. Juneus effusos	15	-7	OBL	be present, unless disturbed or p	STREET,	
2. Typha latifolia	5	7	OBL	Definitions of Four Vegetation	Strata:	
3.				Tree - Woody plants, excluding	vines. 3 in. (7.	6 cm) or
4.				more in diameter at breast heigh	t (DBH), regar	dless of
5.				height.		
APPEARANCE OF THE PROPERTY OF						
6				Sapling/Shrub – Woody plants, than 3 in. DBH and greater than	3.28 ft (1 m) ta	es, iess all.
8.				Herb – All herbaceous (non-woo of size, and woody plants less th	dy) plants, reg	gardless
9.				of size, and woody plants less th	all 3.20 it tail.	
10. <u></u>		<u> </u>	W 1000000 AC	Woody vine - All woody vines g	reater than 3.2	28 ft in
11.				height.		
12.						
	20	= Total C	over			
50% of total cover: 10	A STATE OF THE RESERVE OF THE PARTY OF THE P	f total cov				
Woody Vine Stratum (Plot size: 30ff x 30ff)		total cov				
	ID	V	FACW			
1. Smilax laurifolia	10		1 11000			
2.						
3.						
4						
F				N. desphidie		
5.	10	= Total C	evor.	Hydrophytic Vegetation		
6				Present? Yes	No	
50% of total cover:5	20% of	f total cov	er:		STAR CHAST	
Remarks: (If observed, list morphological adaptations bel	low).	The State of				
Nemarks. (II observed, list morphological adaptations be-	· · · · · · · · · · · · · · · · · · ·					
나 가는 그 이 일하면 하면 하는 것을 하는 것이 없었다. 그 사람들은 사람들은 사람들은 사람들은 사람들은 사람들이 되었다.						

Sampling Point:

(inches) Color (moist) % Color (moist) % Type' Loc' Texture Remainder of the color (moist) % Type' Loc' Texture Remainder	rks
(ilicites) Coloi (ilioist) /8 Coloi (ilioist) /8 Type 200	Matrix. dric Soils³: side MLRA 150A,B; (F19) (LRR P, S, T) Soils (F20) t (TF12) vegetation and t be present, plematic.



Wetland data point wcmo027e_w facing east.



Wetland data point wcmo027e_w facing north.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region Project/Site: H Applicant/Owner: Dominion Investigator(s): Li Roper, S. Bryan Section, Township, Range: none Local relief (concave, convex, none): _____ ND N e__ Landform (hillslope, terrace, etc.): flat Lat: 35,02667 Long: -78,73882 Subregion (LRR or MLRA): LRR Lynn Haven soils NWI classification: Soil Map Unit Name: Torhunta and No ____ (If no, explain in Remarks.) Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes (If needed, explain any answers in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: HYDROLOGY 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) Aguatic Fauna (B13) Surface Water (A1) Drainage Patterns (B10) Marl Deposits (B15) (LRR U) High Water Table (A2) Moss Trim Lines (B16) Hydrogen Sulfide Odor (C1) Saturation (A3) Dry-Season Water Table (C2) Oxidized Rhizospheres along Living Roots (C3) Water Marks (B1) Crayfish Burrows (C8) Sediment Deposits (B2) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Thin Muck Surface (C7) Algal Mat or Crust (B4) Shallow Aquitard (D3) Other (Explain in Remarks) Iron Deposits (B5) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: Depth (inches): Surface Water Present? Water Table Present? No Depth (inches): Wetland Hydrology Present? Yes ___ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

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

LY A	no027_u
Sampling Point:	

3hC1 3hC+	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ff x 30ff)	% Cover Species? Status	Number of Dominant Species
1. none		That Are OBL, FACW, or FAC: (A)
2.		
THE STATE OF THE PROPERTY OF T		Total Number of Dominant Species Across All Strata: (B)
3,		Species Across All Strata.
4		Percent of Dominant Species
5,		That Are OBL, FACW, or FAC: (A/B)
6.		
7.		Prevalence Index worksheet:
8.		Total % Cover of: Multiply by:
b.	D = Total Cover	OBL species x 1 =
		FACW species x 2 =
50% of total cover:	20% of total cover:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30ft x30ft)		FACU species 30 x4 = 120
1. none		FACU species X4=
2.		UPL species
WANTED BY A DEPTH OF THE SECOND SECON		Column Totals: 35 (A) 145 (B)
3.	of transfer of the committee of the contraction of	
4.	 Line the constrainment if the issurfact theory is a formation of an arrangement. 	Prevalence Index = B/A = 41
5,	SOME SERVICE WILL SERVICE	Hydrophytic Vegetation Indicators:
6.		1 - Rapid Test for Hydrophytic Vegetation
7.		2 - Dominance Test is >50%
ATTEMPTOR REPORT TO THE REPORT OF THE PROPERTY		
8	6	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: 30f+ x 30f+)	,	¹ Indicators of hydric soil and wetland hydrology must
1. Opuntia stricta	5 N UPL	be present, unless disturbed or problematic.
2. Pteridium aquilinum	10 Y FACU	Definitions of Four Vegetation Strata:
	10 Y FACU	Deminions of Four Vegetation Grata.
3. Tridens flavus		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Sassafras albidum	10 / FACO	more in diameter at breast height (DBH), regardless of
5.		height.
6.	META-ANDER SERVICIONE POR PROPERTIES DE LA PROPERTIE DE LA PRO	Sapling/Shrub – Woody plants, excluding vines, less
		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7		
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.
College of the contract of the		
12.	75	
	35 = Total Cover	
50% of total cover:	5 20% of total cover:	
Woody Vine Stratum (Plot size: 30f4 x 30f4)		
1. none		
是"AN 可使用的,可能是此间的的的。"		
2		
3.		
4.		
5.		Hydrophytic
	= Total Cover	Vegetation
		Present? Yes No No
50% of total cover:	20% of total cover:	
Remarks: (If observed, list morphological adaptations bel	ow).	

Profile Description: (Describe to the depth Depth (inches) Color (moist) % O	needed to document the indicator or confirm the Redox Features Color (moist) % Type Loc	Texture Remarks S S
¹Type: C=Concentration, D=Depletion, RM=F Hydric Soil Indicators: (Applicable to all L Histosol (A1) Histic 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): Type: Depth (inches): Remarks:	RRs, unless otherwise noted.) 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	wetland hydrology must be present, unless disturbed or problematic. A)



Upland data point wcmo027_u facing south.



Upland data point wcmo027_u facing west.

Project/Site: ACP City/C	County: Comberland Sampling Date: 4118116
Applicant/Owner: Dominion	State: NC Sampling Point: NUMD 030 F-U
Investigator(s): L. Roper, S. Bryan Section	on Township, Range: NDNC
Landform (hillslope, terrace, etc.): Carolina Bay Local	relief (concave convex none): NDNE Slope (%): D-2
Landform (nilislope, terrace, etc.).	584 Long: -78.73861 Datum: WGS89
	007 Long: 10173801 Datum: 0000
Soil Map Unit Name: Leon Sand	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	
Hydrophytic Vegetation Present? Yes No	
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	within a Wetland? Yes No
Billian Market 17 11 11 11 11 11 11 11 11 11 11 11 11	
Remarks: Abnormally dry Londitions	
NCWHM: Pocosin	
HYDROLOGÝ	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LR	[2] [2] [2] [2] [2] [2] [2] [2] [2] [2]
Saturation (A3) Hydrogen Sulfide Odor (16 1 1 1 1 1 1 1
☐ Water Marks (B1) ☐ Oxidized Rhizospheres a	[2] 다른 사람이 있는데, 그리고 있는데
Sediment Deposits (B2)	사용하는 사용하는 100명 100명 100명 100명 100명 100명 100명 100
☐ 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 Remark	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	0.10
Surface Water Present? Yes No Depth (inches):	NH
Water Table Present? Yes No Depth (inches):	<u> </u>
Saturation Present? Yes No Depth (inches): _5	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

Sampling Point: ______ 030f_ w

3001 3004	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft x 30ft) 1. Pinus taeda	% Cover 20	Species?	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:3 (A)
2. Persea borbonia	10	CONTRACTOR DESCRIPTION	FACW	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.	The Property of the Parket of			Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	30	= Total Cov	er	OBL species x 1 =
50% of total cover: 15				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30ft x 30ft)				FAC species x 3 =
1. Lyonia locida	40	Y	FACID	FACU species x 4 =
2.		1.1		UPL species x 5 =
3.				Column Totals: (A) (B)
4.				Prevalence Index = B/A =
5.	A Partie Control		200000000000000000000000000000000000000	Hydrophytic Vegetation Indicators:
6				Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
8.				3 - Prevalence Index is ≤3.01
	40	= Total Cov	er	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 20	20% of	total cover	_8_	
Herb Stratum (Plot size: 30f4 x 30 f4)				¹ Indicators of hydric soil and wetland hydrology must
1. none				be present, unless disturbed or problematic.
2.				Definitions of Four Vegetation Strata:
3.				
4.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or 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 of size, and woody plants less than 3.28 ft tall.
9				of size, and woody plants less than o.25 k tall
10			THE RESERVE AND THE PARTY OF	Woody vine – All woody vines greater than 3.28 ft in
11.	E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.000 (0) (0) (0)		height.
12	0	CATOLOGICA	Control top control	
	disconsistance and	= Total Cov		
50% of total cover:	20% of	total cover		
Woody Vine Stratum (Plot size: 30ff x 30ff				
1. none	Assert Street		a distribution of	
2.	The Addition of			
3.				
4.				
5				Hydrophytic
	0	= Total Cov	er	Vegetation
50% of total cover:	20% of	total cover		Present? Yes V No No
Remarks: (If observed, list morphological adaptations belo	w).		75.86.757	

Profile Description: (Describe to the dep	oth needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix	Redox Features Color (moist) % Type¹ Loc²	Texture Remarks
(inches) Color (moist) % 0-20 21.5 Y R 25/1 100		muky oam
0-20 2154825/ 100		MODEY JOACH
		The control of the co
1Tunes Co-Concentration Re-Donletion RM	=Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all		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)	2 cm Muck (A10) (LRR S)
Black Histic (A3)	Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)	Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark Surface (F6) Depleted Dark Surface (F7)	(MLRA 153B) Red Parent Material (TF2)
5 cm Mucky Mineral (A7) (LRR P, T, U Muck Presence (A8) (LRR U)	Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Mari (F10) (LRR U)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Ochric (F11) (MLRA 151)	
Thick Dark Surface (A12)	Iron-Manganese Masses (F12) (LRR O, P,	T) ³ Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150		wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S)		unless disturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 14)	gA)
Sandy Redox (S5) Stripped Matrix (S6)	Anomalous Bright Loamy Soils (F20) (MLR.	
Dark Surface (S7) (LRR P, S, T, U)	<u> </u>	
Restrictive Layer (if observed):		
Type:		/
Depth (inches):		Hydric Soil Present? Yes No
Remarks:		AND THE RESERVE OF THE PROPERTY OF THE PROPERT



Wetland data point wcmo030f_w facing east.



Wetland data point wcmo030f_w facing south.

Project/Site: ACP City/County: Comberland sampling Date: 4/1816
Applicant/Owner: Dominion State: NC Sampling Point: wumo 030_
Applicant/Owner: 501/11/1/0/1 State: 1/0 Sampling Forms 5000
Investigator(s): L. Roper, S. Bryan Section, Township, Range: NONE
Landform (hillslope, terrace, etc.): Carolina Bay Local relief (concave, convex, none): none Slope (%): 0 - 2
Subregion (LRR or MLRA): LRR P Lat: 35.02582 Long: -78.73865 Datum: W/558
Soil Map Unit Name: Leon Sand NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Sampled Area
Hydric Soil Present? Yes No
Wetland Hydrology Present? Yes No Within a Wetland?
Remarks: Abnormally dry conditions
Powerline ROW, old road
HYDROLOGÝ
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (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) U Other (Explain in Remarks) U Shallow Aquitard (D3)
☐ Inundation Visible on Aerial Imagery (B7) ☐ FAC-Neutral Test (D5) ☐ Water-Stained Leaves (B9) ☐ Sphagnum moss (D8) (LRR T, U)
☐ Water-Stained Leaves (B9) ☐ Sphagnum moss (D8) (LRR T, U) Field Observations:
Surface Water Present? Yes No Depth (inches): NA
Water Table Present? Yes No Depth (inches): >20
Saturation Present? Yes No Depth (inches): >20 Wetland Hydrology Present? Yes No V
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Relians.

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

0.4	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ff x 30ff)			Status	Number of Deminant Species
1. none				That Are OBL, FACW, or FAC: (A)
CONTRACTOR				
2.				Total Number of Dominant Species Across All Strata: (B)
3				Species Across All Strata: (B)
4.				Percent of Dominant Species
5.				That Are OBL, FACW, or FAC: (A/B)
6.				
7.				Prevalence Index worksheet:
B.		D		Total % Cover of: Multiply by:
	Locales at the other)	= Total Co	ver	OBL species x 1 =
50% of total cover:	en circulation of the			FACW species x 2 =
	20% 0	i total cove		FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30+ x 30+)	5	V	Cn/	FACU species x 4 =
1. Pinus taeda	3	1	FAC	UPL species x 5 =
2. Sassafras albidum	70		FACH	Column Totals: (A) (B)
3.				Column Totals (A) (B)
4.				Prevalence Index = B/A =
5.	STREET, POST STREET, S			Hydrophytic Vegetation Indicators:
6.				1_Rapid Test for Hydrophytic Vegetation
The control of the co	CANAL PROPERTY.			2 - Dominance Test is >50%
7.				- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
8.	15		AND THE PARTY	3 - Prevalence Index is ≤3.01
76		= Total Co		Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 7.5	20% 0	f total cove	r:	
Herb Stratum (Plot size: 30f+ x 30ft)				¹ Indicators of hydric soil and wetland hydrology must
1. Aristida stricta	30	Y	FAL	be present, unless disturbed or problematic.
2.				Definitions of Four Vegetation Strata:
3.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
4.				height.
5.	400			
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				All was devices greater than 2.29 ft in
				Woody vine – All woody vines greater than 3.28 ft in height.
11.	40.00000	17/12/2016		neight.
12	n	2000		
	and the same	= Total Co		
50% of total cover:	20% o	f total cove	r:	
Woody Vine Stratum (Plot size: 30ff x 30ff)				
1. none				
2.				
3.				
4.	ers it s	Segregation 12		
5.	7)			Hydrophytic
		= Total Co		Vegetation Present? Yes No
50% of total cover:	20% o	f total cove	er:	
Remarks: (If observed, list morphological adaptations below	ow).			
0 .)				
Reindeer moss preser	at 1	101	1	
7.135 P.OBC	.0 (10/)	

	wilmi	030-0
Sampling P	oint:	

	cription: (Describe	to the depth		the indicator or confirm t	he absence of in	dicators.)	
Depth (inches)	Matrix Color (moist)	<u>%</u>	Redox Fea	atures Loc²	Texture	Remarks	
(inches)	1076 4/1	100	Color (Illoist)	- 1100 <u>- 100</u>	5		
-		A The second second second second second		AND AND ADDRESS OF A STREET OF	5		magagine season (
5-20	104R5/2	100					
					Name and the second		
					<u> </u>		
							il. usidasi ka
				Spirite Committee Control To the			
1= 0.0			Deduced Matrix MC-Ma	seked Cand Crains	21 position: PI =	Pore Lining, M=Matri	×
Hudric Soil	Indicators: (Appli	pletion, RM=F	Reduced Matrix, MS=Ma	noted.)		Problematic Hydric	
		cable to all L		Surface (S8) (LRR S, T, U)		(A9) (LRR O)	
Histoso	pipedon (A2)			(S9) (LRR S, T, U)	- 11 - Call of the	(A10) (LRR S)	
N. Committee of the Com	listic (A3)			neral (F1) (LRR O)	Reduced V	ertic (F18) (outside I	MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleyed Ma			Floodplain Soils (F19)	
The same of the sa	d Layers (A5)		Depleted Matrix (F			Bright Loamy Soils (F20)
Organic	Bodies (A6) (LRR I	P, T, U)	Redox Dark Surfa		(MLRA 1		
	ucky Mineral (A7) (L		Depleted Dark Su			t Material (TF2)	2)
	resence (A8) (LRR		Redox Depression			ow Dark Surface (TF1 blain in Remarks)	4)
	uck (A9) (LRR P, T)		Mari (F10) (LRR I	J) F11) (MLRA 151)	Utrier (Exp	nam m Remarks)	
CONTRACT CONTRACT CONTRACT	ed Below Dark Surfa Park Surface (A12)	ce (A11)		Masses (F12) (LRR O, P, 1	r) ³ Indicator	s of hydrophytic vege	tation and
	Prairie Redox (A16)	MLRA 150A		F13) (LRR P, T, U)		hydrology must be p	
	Mucky Mineral (S1)		Delta Ochric (F17		unless	disturbed or problema	itic.
E. ************************************	Gleyed Matrix (S4)			18) (MLRA 150A, 150B)			
10 20 20 20 20 20 20 20 20 20 20 20 20 20	Redox (S5)			lain Soils (F19) (MLRA 149			
☐ Strippe	d Matrix (S6)		Anomalous Bright	t Loamy Soils (F20) (MLR/	A 149A, 153C, 15	3D)	
	urface (S7) (LRR P,						
	Layer (if observed):					
Type:					Undela Sall Bee	esent? Yes	No /
Depth (i	nches):				Hydric Soli Pre	esentr res	110
Remarks:							



Upland data point wcmo030_u facing southwest.



Upland data point wcmo030_u facing west.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region city/County: Comberland Sampling Date: 4/18/16 Project/Site: ACP Applicant/Owner: Dominion State: NC Sampling Point: Wcmo028 f. w Investigator(s): L. Roper, S. Bryan Section, Township, Range: none Landform (hillslope, terrace, etc.): Carolina Bay Local relief (concave, convex, none): none Subregion (LRR or MLRA): LRR P Lat: 35.02460 Long: -78.73894 Soil Map Unit Name: Torhunta and Lynn Haven soils, NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No ___ (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes _____ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? 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) Aquatic Fauna (B13) Surface Water (A1) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Moss Trim Lines (B16) Saturation (A3) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Water Marks (B1) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Sediment Deposits (B2) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Geomorphic Position (D2) Algal Mat or Crust (B4) Thin Muck Surface (C7) Shallow Aguitard (D3) Other (Explain in Remarks) Iron Deposits (B5) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) ☐ Water-Stained Leaves (B9) Field Observations: Surface Water Present? No ____ Depth (inches): __ > 20 Water Table Present? Wetland Hydrology Present? Yes ____ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

2011 2014		Dominan	Control of all the same of the Control of the Contr	Dominance Test worksheet:	
Tree Stratum (Plot size: 30ff x 30ff)		Species'		Number of Dominant Species	7 (4)
1. Pinus taeda	15	<u> </u>	FAC	That Are OBL, FACW, or FAC:	/ (A)
2. Persea palustris	15	7	FACW	Total Number of Dominant	7
3. Acer rubrum	10	4	PACW	Species Across All Strata:	(B)
4.	CENTRAL PROPERTY				
				Percent of Dominant Species	(A/B)
5				That Are OBL, FACW, or FAC:	(A/B)
6,				Prevalence Index worksheet:	
7.				Total % Cover of: Multip	lv bv:
8.				OBL species x1 =	
		= Total Co		The bottom of the control of the con	
50% of total cover: 20	20% 0	f total cove	r: 8_	FACW species x 2 =	
Sapling/Shrub Stratum (Plot size: 30ft x 30ft)				FAC species x 3 =	
1. Persea Palustris	TO	V	FACIN	FACU species x 4 =	
2. Acer rubrum	10	V	PAC	UPL species x 5 =	
 Interpretation of the property of		Arrest Arrest	decimal viscosite of	Column Totals: (A)	(B)
3.					
4.	912,900.0			Prevalence Index = B/A =	and the same
5.				Hydrophytic Vegetation Indicators:	
6.				2 - Rapid Test for Hydrophytic Vege	etation
7.				2 - Dominance Test is >50%	
4 1987 Sept. 1987 Sept				- 17 <u>- 1888</u>	
8.		= Total Co	and the state of	3 - Prevalence Index is ≤3.0¹	1
				Problematic Hydrophytic Vegetation	i' (Explain)
50% of total cover:	20% 0	f total cove	r: —		
Herb Stratum (Plot size: 30ft x 30-ft)				¹ Indicators of hydric soil and wetland hydric	drology must
1. none				be present, unless disturbed or problem	atic.
-2.				Definitions of Four Vegetation Strata:	
The billion of the company of the co					
3				Tree - Woody plants, excluding vines, 3	in. (7.6 cm) or
4.				more in diameter at breast height (DBH) height.	, regardless of
5				Height.	
6.				Sapling/Shrub - Woody plants, excludi	ng vines, less
7.				than 3 in. DBH and greater than 3.28 ft	(1 m) tall.
8.				Herb – All herbaceous (non-woody) plan	nts renardless
				of size, and woody plants less than 3.28	If tall.
9.					
10.				Woody vine - All woody vines greater t	han 3.28 ft in
11.				height.	
12.					
	0	= Total Co	ver		
50% of total cover:	20% c	f total cove	r:		
Woody Vine Stratum (Plot size: 30ff x 30ff)					
1. Smilax rotundifolia	20	Y	FAC		
31.10.	ID	У	FACW		
2. Smilax lauritolia	10	- /	FIICAA		
3.	100000000000000000000000000000000000000				
4.					
5.				Hydrophytic	
	30	= Total Co	ver	Vegetation	
50% of total cover: 15	Correct & Long Carlos and	of total cove	District to the same of the	Present? Yes No_	<u> Maria </u>
是是是一种的现在分词,并不是一个人的人,但是是一种的人的人,但是是一种的人的人的人,但是一种的人的人的人,也是一种的人的人,也是一种的人的人,也是一种的人的人,		i total cove			
Remarks: (If observed, list morphological adaptations beli	ow).				

SOIL

Sampling Point:

Depth	Matrix	dopin	Redo	x Features			the absence of indica	
inches)	Color (moist)	%	Color (moist)	%	Type	_Loc²	muclay sand	Remarks
)-20	IDYR3/1	100					mucky sand	
ydric Soil Histosol Histic E Black H Hydroge Stratifie Organic 5 cm Mi Muck P 1 cm Mi Deplete Thick D Coast F Sandy I Sandy I Stripped Dark St	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) Elected (A6) (LRR Foucky Mineral (A7) (LRR Fouck (A9) (LRR Fouck (A9) (LRR Fouck (A9) (LRR Fouck (A9) (LRR Fouck (A12)) Frairie Redox (A16) (Mucky Mineral (S1) (Gleyed Matrix (S4) (Redox (S5) d Matrix (S6) (LRR Foundation (S7) (LRR Foundation (LRR	cable to all L P, T, U) RR P, T, U) U) Ce (A11) (MLRA 150A) (LRR O, S)	RRs, unless othe Polyvalue Be Thin Dark St Loamy Muck Loamy Gleye Depleted Ma Redox Dark Depleted Da Redox Depre Marl (F10) (I Depleted Oc Iron-Mangar Umbric Surfe Reduced Ve Piedmont FI	elow Surface (S9) ky Mineral (ed Matrix (I atrix (F3) Surface (F ark Surface essions (F8 LRR U) chric (F11) nese Masse ace (F13) (c (F17) (ML ertic (F18) (oodplain S	ed.) te (S8) (L (LRR S, F1) (LRR S, F1) (LRR F2) 6) (F7) 3) (MLRA 1. LRR P, T RA 151) MLRA 15	ERR S, T, U T, U) (O) (S1) (ERR O, P, T, U) (MLRA 14	1 cm Muck (A9) 2 cm Muck (A1) Reduced Vertic Piedmont Floor Anomalous Brig (MLRA 153B Red Parent Ma Very Shallow D Other (Explain T) 3Indicators of wetland hyd unless distu	olematic Hydric Soils ³ :) (LRR 0) 0) (LRR S) c (F18) (outside MLRA 150A,B dplain Soils (F19) (LRR P, S, T) ght Loamy Soils (F20)) terial (TF2) oark Surface (TF12)
estrictive Type:	Layer (if observed):	_				Hydric Soil Presen	t? Yes \ No
Remarks:								



Wetland data point wcmo028f_w facing east.



Wetland data point wcmo028f_w facing northeast.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site: ACP city/County: Cumberland sampling Date: 4/18/16 State: NC Sampling Point: WcmbDZ8e-w Applicant/Owner: Dominion Investigator(s): L. Roper, S. Bryan Section, Township, Range: None Landform (hillslope, terrace, etc.): Corolina Bay Local relief (concave, convex, none): none Slope (%): 0 - 2 Subregion (LRR or MLRA): LFF P Lat: 35.02477 Long: -78.73912 Soil Map Unit Name: Torhunta and Lynn Haven soils NWI classification: ___ 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 ____ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? (If needed, explain any answers in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? 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? 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) Aquatic Fauna (B13) Surface Water (A1) Drainage Patterns (B10) High Water Table (A2) Marl Deposits (B15) (LRR U) Moss Trim Lines (B16) Saturation (A3) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Water Marks (B1) Cravfish 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: No ____ Depth (inches): NH Surface Water Present? No ____ Depth (inches): ___ 1 O Water Table Present? Depth (inches): Surface Wetland Hydrology Present? Yes _ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: SAV present portions of wetland inundated

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

wcm0028e_w Sampling Point:_____

Species'	over	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 =	(<i>, v.s</i>)
= Total Co	over	Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: OBL species x 1 =	(A/B)
= Total Co	over	That Are OBL, FACW, or FAC:	(<i>, v.s</i>)
= Total Co	over		
= Total Co	over		
Charled the		OBL species x 1 =	
Charled the		■ The warter transfer and the first transfer are not true and transfer to the ALL ALL and the first transfer a	
f total cove	프로 함께 있는 일본 이번 등을 내려왔다.	FACW species x 2 =	
	:r:	FAC species x3 =	
		FACU species x4 =	
		UPL species x5 =	
		■ Philosophia Philippia A ような は は は は は は は は は は は は は は は は は は は	
		Column Totals: (A)	(b)
Sharer Williams		A LANGE BOTH THE PROPERTY OF STATE AND CONTRACT OF STATE	
			1
		The Seal Sealers and Mark and Burn State (1988) and Sealers (1988)	
T.110			
		Problematic Hydrophytic Vegetation' (Ex	plain)
f total cove	er:		
У	FACW	¹ Indicators of hydric soil and wetland hydrologies be present, unless disturbed or problematic.	gy must
У		The rest of the first term and the first of the control of the con	
Ý			
		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
		height.	aruless of
		Sapling/Shrub – Woody plants, excluding vithan 3 in. DBH and greater than 3.28 ft (1 m)	nes, less tall.
		Herb – All herbaceous (non-woody) plants, ro of size, and woody plants less than 3.28 ft tal	egardless
			3.28 IL III
= Total Co	over		
	C		
71 (01.01 00 10			
Y	FAC		
- / /	FAC		
	- 1110		
		Line of the second second	
	11		
of total cove	er: <u>4</u>		
	= Total Co	= Total Cover	Prevalence Index = B/A =

Sampling Point: _____

epth	Matrix	C the depth	Redo	K Features	3	nfirm the absence of Indicators.)
nches)	Color (moist)	_ %	Color (moist)		Type¹ Loc	
- 20	10/1231,	100				mucky sand
Histosol Histosol Histosol Histosol Histosol Histosol Black Hi Hydroge Stratified Organic 5 cm Mu Muck Pr 1 cm Mu Depleted Thick Do Coast P Sandy N Sandy F Stripped	ipedon (A2)	able to all L , T, U) RR P, T, U) I) e (A11) MLRA 150A LRR O, S)	RRs, unless other Polyvalue Be Thin Dark Su Loamy Muck Loamy Gleye Depleted Ma Redox Dark Depleted Dai Redox Depre Marl (F10) (L Depleted Oc Iron-Mangan Umbric Surfa Delta Ochric Reduced Ve Piedmont Fle	rwise note of the work of the	ed.) ce (S8) (LRR S,) (LRR S, T, U) (F1) (LRR O) F2) (F7) 8) (MLRA 151) es (F12) (LRR C) (LRR P, T, U) LRA 151) (MLRA 150A, 15 Goils (F19) (MLR	2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A) Piedmont Floodplain Soils (F19) (LRR P, S) Anomalous Bright Loamy Soils (F20) (MLRA 153B) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) O, P, T) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
strictive Type:	Layer (if observed)		_			Hydric Soil Present? Yes No
emarks:						



Wetland data point wcmo028e_w facing north.



Wetland data point wcmo028e_w facing northwest.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: ACP City/County: C	umberland Sampling Date: 4/18/16
Applicant/Owner: Pomínion	State: NC Sampling Point: Wcmo 028-u
Investigator(s): L. Roper, S. Bryan Section, Townsh	in Range: NONE
Landform (hillslope, terrace, etc.): Carolina Bay Local relief (conc	Pave convex none): NONE Slope (%): 0 - Z
Subregion (LRR or MLRA): LRP P Lat: 35.02457	Leng: -78, 73896 Datum: WG584
Subregion (LRR or MLRA): Lat: 33.06.737	Colis And Local Section A/A
Soil Map Unit Name: Torhunta and Lynn Haven 5	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	
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 po	oint locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Sai	mpled Area
Hudrig Sail Brosant?	Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks: fallow agricultural field; no field; Alonormally dry cond	regetation in plowed
field: Marie III d	-1-01-5
THEO; Honormally dry cond	itions
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LRR U)	Drainage Patterns (B10)
☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (C1) ☐ Water Marks (B1) ☐ Oxidized Rhizospheres along Living	Moss Trim Lines (B16) Roots (C3) Dry-Season Water Table (C2)
☐ Water Marks (B1) ☐ Oxidized Rhizospheres along Living ☐ Sediment Deposits (B2) ☐ Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Drift Deposits (B3) Recent Iron Reduction in Tilled Soils	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
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? Ves No Denth (inches): NA	
Surface vvaler riesent: res	
는 BRONG BROUGH B	Wetland Hydrology Present? Yes No
Saturation Present? Yes No Depth (inches): ZO	Wettand Tryal Glogy Tresent: Tes
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe	ctions), if available:
Remarks:	
Remarks.	

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

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 y 30 F4)	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1		
3.		Total Number of Dominant Species Across All Strata:(B)
4		Percent of Dominant Species
5,		That Are OBL, FACW, or FAC: (A/B)
6.		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
8.		OBL species x1 =
	= Total Cover	FACW species x 2 =
	20% of total cover:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30 x30 Pt)		FACU species x 4 =
1.		UPL species x 5 =
2		Column Totals: (A) (B)
3		
4	Consultation of the Control of the C	Prevalence Index = B/A = NA
5.		Hydrophytic Vegetation Indicators:
6		1 - Rapid Test for Hydrophytic Vegetation
7.		2 - Dominance Test is >50%
8.		☐ 3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
	20% of total cover:	
Herb Stratum (Plot size: 30 × 30 (+)		¹ Indicators of hydric soil and wetland hydrology must 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.		Mandaying All woody vines greater than 3.28 ft in
11		Woody vine – All woody vines greater than 3.28 ft in height.
12		
	O = Total Cover	
50% of total cover:		
Woody Vine Stratum (Plot size: 30 x 30 F4.)		
1.		
2.		
3		
4		
		II. de abada
5	O = Total Cover	Hydrophytic Vegetation
ED% of total cover:	20% of total cover:	Present? Yes No
	Contract of the contract of th	I STEER STREET THE THE STEER STREET STREET STREET STREET
no vegetation in P	lowed, fallo	ow agricultural

THE STREET STREETS OF THE RESIDENCE FOR STREET AND THE STREET STREETS AND THE			S CALLERY OF STREET AND STREET	The Selection management and a selection of the selection
Profile Description: (Describe to the depth nee	ded to document t	he indicator or confirm the	ne absence o	f indicators.)
Depth Matrix	Redox Feat	tures		
(inches) Color (moist) % Co	lor (moist) %	Type Loc2	Texture	Remarks
This is a second of the second			6	
16-20 10 42 5/2 100			5	
		NAME OF TAXABLE PARTY OF TAXABLE PARTY.		
BE MANAGEMENT TO BE TO SEE THE SECOND				
				CONTROL OF THE ART OF CHARLES IN THE PROPERTY OF THE PROPERTY
¹ Type: C=Concentration, D=Depletion, RM=Redu	ced Matrix, MS=Mas	sked Sand Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs	unless otherwise	noted.)	Indicators f	or Problematic Hydric Soils3:
		urface (S8) (LRR S, T, U)	T 1 cm Mi	ick (A9) (LRR O)
Histosol (A1)				ick (A10) (LRR S)
Histic Epipedon (A2)		(S9) (LRR S, T, U)		
Black Histic (A3)	Loamy Mucky Mine			d Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)	Loamy Gleyed Mat	trix (F2)		nt Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)	Depleted Matrix (F	3)	A CONTRACTOR OF THE PROPERTY O	ous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark Surface	ce (F6)		A 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U)	Depleted Dark Sur	face (F7)	Red Par	rent Material (TF2)
Muck Presence (A8) (LRR U)	Redox Depression		L Very Sh	allow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Marl (F10) (LRR U			Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Ochric (F			
The set of a supply of the property describe Alberta and defined a supply of the property of t		Masses (F12) (LRR O, P, T	3Indica	tors of hydrophytic vegetation and
Thick Dark Surface (A12)	THE RESIDENCE OF THE PROPERTY			and hydrology must be present,
Coast Prairie Redox (A16) (MLRA 150A)	Umbric Surface (F			ss disturbed or problematic.
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochric (F17)		unie	ss disturbed of problematic.
Sandy Gleyed Matrix (S4)		18) (MLRA 150A, 150B)		
Sandy Redox (S5)	Piedmont Floodpla	ain Soils (F19) (MLRA 149)	A)	
Stripped Matrix (S6)	Anomalous Bright	Loamy Soils (F20) (MLRA	149A 153C	153D)
Stripped Watrix (SO)	/ aloulatous bright	LUBITIY SUIIS (FZU) (WILKA	14074, 1000,	
	[/ alottialous Bright	Loanly Solis (F20) (MLKA	1407, 1000,	
Dark Surface (S7) (LRR P, S, T, U)	[/ alonialodo Drigin	Loanly Soils (F20) (WLCKA	1400,	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed):	7 Tomaloas Bright	Loanly Soils (F20) (MENA	1407, 1000,	
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type:	(/ Tierraleds Bright	LUAINY SUIS (F20) (WLKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed):	(/ Alemaious Englis	LUAINY SOIIS (F20) (WLKA		Present? Yes No
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type:	(/ Alemaious Englis	LUAINY SOIIS (F20) (WLKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		LUAINY SOIIS (F20) (WLKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		LUAINY SOIIS (F20) (WLKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarry Soils (F20) (WLKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarry Soils (F20) (WLKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (WLKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		LUAINY SUIS (F2U) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		LUAINY SUIS (F2U) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Soils (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Soils (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Soils (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Soils (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Soils (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Soils (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Soils (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (MILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (MILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (WILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (MILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (MILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Suits (F20) (MILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Soils (F20) (MILKA		
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches):		Luarity Soils (F20) (MILKA		



Upland data point wcmo028_u facing east.



Upland data point wcmo028_u facing south.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region city/County: Comberland Sampling Date: 4/18/16 Project/Site: ACP Applicant/Owner: Dominion State: NC Sampling Point: Wcmo028 f. w Investigator(s): L. Roper, S. Bryan Section, Township, Range: none Landform (hillslope, terrace, etc.): Carolina Bay Local relief (concave, convex, none): none Subregion (LRR or MLRA): LRR P Lat: 35.02460 Long: -78.73894 Soil Map Unit Name: Torhunta and Lynn Haven soils, NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No ___ (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes _____ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? 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) Aquatic Fauna (B13) Surface Water (A1) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Moss Trim Lines (B16) Saturation (A3) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Water Marks (B1) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Sediment Deposits (B2) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Geomorphic Position (D2) Algal Mat or Crust (B4) Thin Muck Surface (C7) Shallow Aguitard (D3) Other (Explain in Remarks) Iron Deposits (B5) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) ☐ Water-Stained Leaves (B9) Field Observations: Surface Water Present? No ____ Depth (inches): __ > 20 Water Table Present? Wetland Hydrology Present? Yes ____ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

2011 2014		Dominan	Control of all the same of the Control of the Contr	Dominance Test worksheet:	
Tree Stratum (Plot size: 30ff x 30ff)		Species'		Number of Dominant Species	7 (4)
1. Pinus taeda	15	<u> </u>	FAC	That Are OBL, FACW, or FAC:	/ (A)
2. Persea palustris	15	7	FACW	Total Number of Dominant	7
3. Acer rubrum	10	4	PACW	Species Across All Strata:	(B)
4.	CENTRAL PROPERTY				
				Percent of Dominant Species	(A/B)
5				That Are OBL, FACW, or FAC:	(A/B)
6,				Prevalence Index worksheet:	
7.				Total % Cover of: Multip	lv bv:
8.				OBL species x1 =	
		= Total Co		The bottom of the control of the con	
50% of total cover: 20	20% 0	f total cove	r: 8_	FACW species x 2 =	
Sapling/Shrub Stratum (Plot size: 30ft x 30ft)				FAC species x 3 =	
1. Persea Palustris	TO	V	FACIN	FACU species x 4 =	
2. Acer rubrum	10	V	PAC	UPL species x 5 =	
 Interpretation of the property of		Arrest Arrest	decimal viscosite of	Column Totals: (A)	(B)
3.					
4.	912,961.6			Prevalence Index = B/A =	and the same
5.				Hydrophytic Vegetation Indicators:	
6.				2 - Rapid Test for Hydrophytic Vege	etation
7.				2 - Dominance Test is >50%	
4 1987 Sept. 1987 Sept				- 17 <u>- 1888</u>	
8.		= Total Co	and the state of	3 - Prevalence Index is ≤3.0¹	1
				Problematic Hydrophytic Vegetation	i' (Explain)
50% of total cover:	20% 0	f total cove	r: —		
Herb Stratum (Plot size: 30ft x 30-ft)				¹ Indicators of hydric soil and wetland hydric	drology must
1. none				be present, unless disturbed or problem	atic.
-2.				Definitions of Four Vegetation Strata:	
The billion of the company of the co					
3				Tree - Woody plants, excluding vines, 3	in. (7.6 cm) or
4.				more in diameter at breast height (DBH) height.	, regardless of
5				Height.	
6.				Sapling/Shrub - Woody plants, excludi	ng vines, less
7.				than 3 in. DBH and greater than 3.28 ft	(1 m) tall.
8.				Herb – All herbaceous (non-woody) plan	nts renardless
				of size, and woody plants less than 3.28	If tall.
9.					
10.				Woody vine - All woody vines greater t	han 3.28 ft in
11.				height.	
12.					
	0	= Total Co	ver		
50% of total cover:	20% c	f total cove	r:		
Woody Vine Stratum (Plot size: 30ff x 30ff)					
1. Smilax rotundifolia	20	Y	FAC		
31.10.	ID	У	FACW		
2. Smilax lauritolia	10	- /	FIICAA		
3.	100000000000000000000000000000000000000				
4.					
5.				Hydrophytic	
	30	= Total Co	ver	Vegetation	
50% of total cover: 15	Correct & Long Carlos and	of total cove	District to the same of the	Present? Yes No_	<u> Maria </u>
是是是一种的现在分词,并不是一个人的人,但是是一种的人的人,但是是一种的人的人的人,但是一种的人的人的人,也是一种的人的人,也是一种的人的人,也是一种的人的人,		i total cove			
Remarks: (If observed, list morphological adaptations beli	ow).				

SOIL

Sampling Point:

Depth	Matrix	dopin	Redo	x Features			the absence of indica	
inches)	Color (moist)	%	Color (moist)	%	Type	_Loc²	muclay sand	Remarks
)-20	IDYR3/1	100					mucky sand	
ydric Soil Histosol Histic E Black H Hydroge Stratifie Organic 5 cm Mi Muck P 1 cm Mi Deplete Thick D Coast F Sandy I Sandy I Stripped Dark St	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) Elected (A6) (LRR Foucky Mineral (A7) (LRR Fouck (A9) (LRR Fouck (A9) (LRR Fouck (A9) (LRR Fouck (A9) (LRR Fouck (A12)) Frairie Redox (A16) (Mucky Mineral (S1) (Gleyed Matrix (S4) (Redox (S5) d Matrix (S6) (LRR Foundation (S7) (LRR Foundation (LRR	cable to all L P, T, U) RR P, T, U) U) Ce (A11) (MLRA 150A) (LRR O, S)	RRs, unless othe Polyvalue Be Thin Dark St Loamy Muck Loamy Gleye Depleted Ma Redox Dark Depleted Da Redox Depre Marl (F10) (I Depleted Oc Iron-Mangar Umbric Surfe Reduced Ve Piedmont FI	elow Surface (S9) ky Mineral (ed Matrix (I atrix (F3) Surface (F ark Surface essions (F8 LRR U) chric (F11) nese Masse ace (F13) (c (F17) (ML ertic (F18) (oodplain S	ed.) te (S8) (L (LRR S, F1) (LRR S, F1) (LRR F2) 6) (F7) 3) (MLRA 1. LRR P, T RA 151) MLRA 15	ERR S, T, U T, U) (O) (S1) (ERR O, P, T, U) (MLRA 14	1 cm Muck (A9) 2 cm Muck (A1) Reduced Vertic Piedmont Floor Anomalous Brig (MLRA 153B Red Parent Ma Very Shallow D Other (Explain T) 3Indicators of wetland hyd unless distu	olematic Hydric Soils ³ :) (LRR 0) 0) (LRR S) c (F18) (outside MLRA 150A,B dplain Soils (F19) (LRR P, S, T) ght Loamy Soils (F20)) terial (TF2) oark Surface (TF12)
estrictive Type:	Layer (if observed):	_				Hydric Soil Presen	t? Yes \ No
Remarks:								



Wetland data point wcmo028f_w facing east.



Wetland data point wcmo028f_w facing northeast.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site: ACP city/County: Cumberland sampling Date: 4/18/16 State: NC Sampling Point: WcmbDZ8e-w Applicant/Owner: Dominion Investigator(s): L. Roper, S. Bryan Section, Township, Range: None Landform (hillslope, terrace, etc.): Corolina Bay Local relief (concave, convex, none): none Slope (%): 0 - 2 Subregion (LRR or MLRA): LFF P Lat: 35.02477 Long: -78.73912 Soil Map Unit Name: Torhunta and Lynn Haven soils NWI classification: ___ 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 ____ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? (If needed, explain any answers in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? 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? 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) Aquatic Fauna (B13) Surface Water (A1) Drainage Patterns (B10) High Water Table (A2) Marl Deposits (B15) (LRR U) Moss Trim Lines (B16) Saturation (A3) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Water Marks (B1) Cravfish 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: No ____ Depth (inches): NH Surface Water Present? No ____ Depth (inches): ___ 1 O Water Table Present? Depth (inches): Surface Wetland Hydrology Present? Yes _ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: SAV present portions of wetland inundated

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

wcm0028e_w Sampling Point:_____

Species'	over	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 =	(<i>, v.s</i>)
= Total Co	over	Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: OBL species x 1 =	(A/B)
= Total Co	over	That Are OBL, FACW, or FAC:	(<i>, v.s</i>)
= Total Co	over		
= Total Co	over		
Charled the		OBL species x 1 =	
Charled the		■ The warter transfer and the first transfer are not true and transfer to the ALL ALL and the first transfer a	
f total cove	프로 함께 있는 일본 이번 등을 내려왔다.	FACW species x 2 =	
	:r:	FAC species x3 =	
		FACU species x4 =	
		UPL species x5 =	
		■ Philosophia Philippia A ような は は は は は は は は は は は は は は は は は は は	
		Column Totals: (A)	(b)
Sharer Williams		A LANGE BOTH THE PROPERTY OF STATE AND CONTRACT OF STATE	
			1
		The Seal Sealers and Mark and Burn State (1988) and Sealers (1988)	
T.110			
		Problematic Hydrophytic Vegetation' (Ex	plain)
f total cove	er:		
У	FACW	¹ Indicators of hydric soil and wetland hydrologies be present, unless disturbed or problematic.	gy must
У		The rest of the first term and the first of the control of the con	
Ý			
		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
		height.	aruless of
		Sapling/Shrub – Woody plants, excluding vithan 3 in. DBH and greater than 3.28 ft (1 m)	nes, less tall.
		Herb – All herbaceous (non-woody) plants, re of size, and woody plants less than 3.28 ft tal	egardless
			3.28 IL III
= Total Co	over		
	C		
71 (01.01 00 10			
Y	FAC		
- / /	FAC		
	- 1110		
		100000000000000000000000000000000000000	
	11		
of total cove	er: <u>4</u>		
	= Total Co	= Total Cover	Prevalence Index = B/A =

Sampling Point: _____

epth	Matrix	C the depth	Redo	K Features	3	nfirm the absence of Indicators.)
nches)	Color (moist)	_ %	Color (moist)		Type¹ Loc	
- 20	10/1231,	100				mucky sand
Histosol Histosol Histosol Histosol Histosol Histosol Black Hi Hydroge Stratified Organic 5 cm Mu Muck Pr 1 cm Mu Depleted Thick Do Coast P Sandy N Sandy F Stripped	ipedon (A2)	able to all L , T, U) RR P, T, U) I) e (A11) MLRA 150A LRR O, S)	RRs, unless other Polyvalue Be Thin Dark Su Loamy Muck Loamy Gleye Depleted Ma Redox Dark Depleted Dai Redox Depre Marl (F10) (L Depleted Oc Iron-Mangan Umbric Surfa Delta Ochric Reduced Ve Piedmont Fle	rwise note of the work of the	ed.) ce (S8) (LRR S,) (LRR S, T, U) (F1) (LRR O) F2) (F7) 8) (MLRA 151) es (F12) (LRR C) (LRR P, T, U) LRA 151) (MLRA 150A, 15 Goils (F19) (MLR	2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A) Piedmont Floodplain Soils (F19) (LRR P, S) Anomalous Bright Loamy Soils (F20) (MLRA 153B) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) O, P, T) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
strictive Type:	Layer (if observed)		_			Hydric Soil Present? Yes No
emarks:						



Wetland data point wcmo028e_w facing north.



Wetland data point wcmo028e_w facing northwest.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: ACP City/County: C	umberland Sampling Date: 4/18/16
Applicant/Owner: Pomínion	State: NC Sampling Point: Wcmo 028-u
Investigator(s): L. Roper, S. Bryan Section, Townsh	in Range: NONE
Landform (hillslope, terrace, etc.): Carolina Bay Local relief (conc	Pave convex none): NONE Slope (%): 0 - Z
Subregion (LRR or MLRA): LRP P Lat: 35.02457	Leng: -78, 73896 Datum: WG584
Subregion (LRR or MLRA): Lat: 33.06.737	Colis And Local Section A/A
Soil Map Unit Name: Torhunta and Lynn Haven 5	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	
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 po	oint locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Sai	mpled Area
Hudrig Sail Brosant?	Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks: fallow agricultural field; no field; Alonormally dry cond	regetation in plowed
field: Marie III d	-1-01-5
THEO; Honormally dry cond	itions
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LRR U)	Drainage Patterns (B10)
☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (C1) ☐ Water Marks (B1) ☐ Oxidized Rhizospheres along Living	Moss Trim Lines (B16) Roots (C3) Dry-Season Water Table (C2)
☐ Water Marks (B1) ☐ Oxidized Rhizospheres along Living ☐ Sediment Deposits (B2) ☐ Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Drift Deposits (B3) Recent Iron Reduction in Tilled Soils	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
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? Ves No Denth (inches): NA	
Surface vvaler riesent: res	
는 BRONG BROUGH B	Wetland Hydrology Present? Yes No
Saturation Present? Yes No Depth (inches): ZO	Wettand Tryal Glogy Tresent: Tes
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe	ctions), if available:
Remarks:	
Remarks.	

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

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 y 30 F4)	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1		
3.		Total Number of Dominant Species Across All Strata:(B)
4		Percent of Dominant Species
5,		That Are OBL, FACW, or FAC: (A/B)
6.		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
8.		OBL species x1 =
	= Total Cover	FACW species x 2 =
	20% of total cover:	FAC species x3 =
Sapling/Shrub Stratum (Plot size: 30 x30 Pt)		FACU species x 4 =
1.		UPL species x 5 =
2		Column Totals: (A) (B)
3		
4	Consultation of the Control of the C	Prevalence Index = B/A = NA
5.		Hydrophytic Vegetation Indicators:
6		1 - Rapid Test for Hydrophytic Vegetation
7.		2 - Dominance Test is >50%
8.		☐ 3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
	20% of total cover:	
Herb Stratum (Plot size: 30 × 30 (+)		¹ Indicators of hydric soil and wetland hydrology must 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.		Manda vine All woody vines greater than 3.28 ft in
11		Woody vine – All woody vines greater than 3.28 ft in height.
12		
	O = Total Cover	
50% of total cover:		
Woody Vine Stratum (Plot size: 30 x 30 F4.)		
1.		
2.		
3		
4		
		II. de abrada
5	O = Total Cover	Hydrophytic Vegetation
ED% of total cover:	20% of total cover:	Present? Yes No
	Contract of the contract of th	I PARENTAL AND
no vegetation in P	lowed, fallo	ow agricultural

SUIL								Man San resonante de vete. Recurertal
Profile Desc	ription: (Describe t	to the depth	needed to docum	ent the i	ndicator (or confirm	the absence of	of indicators.)
Depth	Matrix		Redox	Features	S			
(inches)	Color (moist)	%	Color (moist)	%	Type1	Loc²	Texture	Remarks
The season was at season that has after a	10 YR 7/2	Carlo and the second and the second					6	
0-16		100						Miles and the company of the company
16-20	10 4/2 5/2	100					5	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THE REAL PROPERTY OF THE PARTY.			Tak Mada	State Base 1			
				ALC: NO.	2000 DOM 200	OKELA TOOLS		
					THE STATE OF			
								of the period of the second se
AL MENT STREET		10, 750 mg() (0.00)				MINISTER STATE		
1Type: C=C	oncentration, D=Dep	letion, RM=F	Reduced Matrix, MS	=Masked	Sand Gra	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil	ndicators: (Applic	able to all L	RRs, unless other	wise not	ed.)		Indicators	for Problematic Hydric Soils ³ :
			Polyvalue Be			DD C T II	N D 1 cm M	uck (A9) (LRR O)
Histosol								uck (A10) (LRR S)
	oipedon (A2)		Thin Dark Su		Personal distribution of the Personal P			
■ Black Hi	stic (A3)		Loamy Mucky			0)		ed Vertic (F18) (outside MLRA 150A,B)
☐ Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix ((F2)			ont Floodplain Soils (F19) (LRR P, S, T)
Stratified	Layers (A5)		☐ Depleted Mat	rix (F3)			Anoma	lous Bright Loamy Soils (F20)
	Bodies (A6) (LRR P	, T, U)	Redox Dark S	Surface (F	-6)		(MLR	A 153B)
	icky Mineral (A7) (LF		Depleted Dar				☐ Red Pa	rent Material (TF2)
10 Discourse (10.000)	esence (A8) (LRR U		Redox Depre				☐ Verv SI	hallow Dark Surface (TF12)
	ick (A9) (LRR P, T)		Marl (F10) (L					Explain in Remarks)
		- (014)	Depleted Oct		AMI DA 1	E4\	Cure. (
II. See State of the Control of the	Below Dark Surfac	e (A11)					T) 3India	ators of hydrophytic vegetation and
	ark Surface (A12)		Iron-Mangan					and hydrology must be present,
	rairie Redox (A16) (N					, U)		나는 사람들이 나를 살아 있다면 하는데 그 아니라를 하는데
Sandy N	lucky Mineral (S1) (I	LRR O, S)	Delta Ochric					ess disturbed or problematic.
Sandy 0	Sleyed Matrix (S4)		Reduced Ver	tic (F18)	(MLRA 15	OA, 150B)		
Sandy F	Redox (S5)		Piedmont Flo	odplain S	Soils (F19)	(MLRA 14	9A)	
\$100 masses \$100 m	Matrix (S6)						A 149A, 153C,	, 153D)
	rface (S7) (LRR P, S	s. T. U)						
	Layer (if observed):						Additional Control	
Type:		Sales includes	_					
Depth (in	ches):						Hydric Soil	Present? Yes No
Remarks:					State Control	NAME OF STREET		
Tremaine.								



Upland data point wcmo028_u facing east.



Upland data point wcmo028_u facing south.

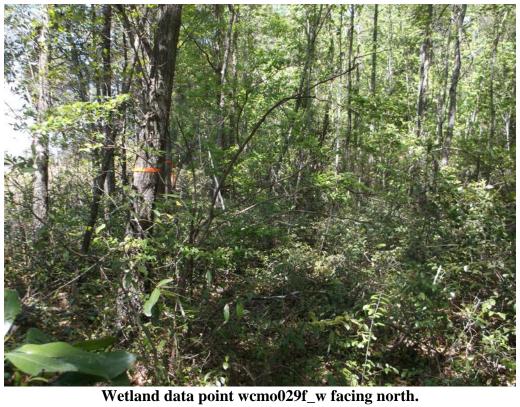
WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region City/County: Comberland Sampling Date: 4/18/16 Project/Site: ACP State: NC Sampling Point: Wcmo 029f-w Applicant/Owner: Dominion Investigator(s): LiRoper, S. Bryan Section, Township, Range: None Landform (hillslope, terrace, etc.): Carolina Bay Local relief (concave, convex, none): none Slope (%): Subregion (LRR or MLRA): LRR P Lat: 35, 615 69 Long: -78, 74008 Lynn Haven soils NWI classification: Soil Map Unit Name: Torhunta and 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 _ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? (If needed, explain any answers in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? 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? NCWAM: Pocosir 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) Aquatic Fauna (B13) Surface Water (A1) 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) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Thin Muck Surface (C7) Algal Mat or Crust (B4) Shallow Aquitard (D3) Other (Explain in Remarks) Iron Deposits (B5) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: Yes ____ No ___ Depth (inches): __ Surface Water Present? No ___ Depth (inches): __ Water Table Present? Wetland Hydrology Present? Yes No ____ Depth (inches): __ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

THE PARTY OF THE P	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ff x30ff)		Species?		
Tree Stratum (Flot size. 2011 A0011)	Charles of the second second	Opecies	FAC	Number of Dominant Species That Are OBL FACW, or FAC: (A)
1. Pinus taeda	15			That Are OBL, FACW, or FAC: (A)
2. Aug rubrum	20	<u> </u>	FAC	T-t-1Number of Deminent
3. Gordonia lasianthus	20	V	FACW	Total Number of Dominant Species Across All Strata: (B)
3. 601 Bolines 12312411103	3 0.00 1220 137			Species Across All Strata: (B)
4.				Percent of Dominant Species
5.				That Are OBL, FACW, or FAC: (A/B)
The operation is a second to the control of the con	exemple as the second			That Ale Obe, I Now, of the
6.		A CARL TRANSPORT	15000 0 00000 0000	Prevalence Index worksheet:
7.		Marie Marie		[1] A SECTION OF THE PROPERTY
8.				Total % Cover of: Multiply by:
	==	= Total Co	kuruntara i	OBL species x 1 =
				FACW species x 2 =
50% of total cover: 27	5 20% of	total cover	:_//	
Sapling/Shrub Stratum (Plot size: 30ff x 30ff)				FAC species x 3 =
Sapling/Shrub Stratum (Plot size: DOTP K BO FT)	20	V	ENID	FACU species x 4 =
1. Gordonia lasianthus	20		FACO	
2. Lyonia lucida	70	Y	FACW	UPL species x 5 =
AND RESERVED TO THE PROPERTY OF THE PROPERTY O		THE STATE OF THE STATE OF	ON STREET, STR	Column Totals: (A) (B)
3.				
4,				Prevalence Index = B/A =
				The analysis of the state of the second control of the second sec
5,				Hydrophytic Vegetation Indicators:
6.		4285551000		1- Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
A THE PARTY NAME OF THE PARTY O		As the buest of the	A Print Dutter tool	#####################################
B		2011 1 S 00 00 00 00 00 00 00 00 00 00 00 00 0		3 - Prevalence Index is ≤3.01
	40	= Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 20	20%	total cover	. 8	
	20 /8 0	total cover		
Herb Stratum (Plot size: 30f4 x 30ft)				¹ Indicators of hydric soil and wetland hydrology must
1. Lyonia lucida	20	У	FACW	be present, unless disturbed or problematic.
CONTRACTOR AND AND ADMINISTRATION OF A STREET OF A STR				Definitions of Four Vegetation Strata:
2		CHARLEST CONTROL	STATE OF THE PARTY	Deminitions 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
EPATE CAMPEN SEE TEN ON A STORY SET OF SET O				height.
5.				The state of the s
6.				Sapling/Shrub - Woody plants, excluding vines, less
TATAL AND LONG TO THE STREET OF THE STREET WHEN THE STREET WHEN THE STREET WAS A STREET WHEN THE STREET WAS A				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7		2.77		than 5 m. DBH and greater than 5.25 k (1 m) tall
7				Herb – All herbaceous (non-woody) plants, regardless
8.		_		Herb – All herbaceous (non-woody) plants, regardless
8				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
8,				Herb – All herbaceous (non-woody) plants, regardless
8,				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
8				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
8				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
8	20	= Total Co	ver	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
8	20	= Total Co	ver	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
8	20		ver	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
8	20	= Total Co	ver 4	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
8	20	= Total Co	ver	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
8	20	= Total Co	ver : 4 FAC	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
8	20	= Total Co	ver 4	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
8	20	= Total Co	ver : 4 FAC	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
8	20	= Total Co	ver : 4 FAC	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
8	20	= Total Co	ver : 4 FAC	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.
8	200 20% o 20 10	= Total Co f total cove	FAC FAC	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.
8	20	= Total Co f total cove	FAC FAC	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
8	20 20% o 20% o	= Total Co f total cove Y Total Co	FAC FAC	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.
8	20 20% o 20% o	= Total Co f total cove	FAC FAC	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
8	20% o 20% o 200 10 20% o	= Total Co f total cove Y Total Co	FAC FAC	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
8	20% o 20% o 200 10 20% o	= Total Co f total cove Y Total Co	FAC FAC	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
8	20% o 20% o 200 10 20% o	= Total Co f total cove Y Total Co	FAC FAC	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
8	20% o 20% o 200 10 20% o	= Total Co f total cove Y Total Co	FAC FAC	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
8	20% o 20% o 200 10 20% o	= Total Co f total cove Y Total Co	FAC FAC	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
8	20% o 20% o 200 10 20% o	= Total Co f total cove Y Total Co	FAC FAC	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
8	20% o 20% o 200 10 20% o	= Total Co f total cove Y Total Co	FAC FAC	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
8	20% o 20% o 200 10 20% o	= Total Co f total cove Y Total Co	FAC FAC	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
8	20% o 20% o 200 10 20% o	= Total Co f total cove Y Total Co	FAC FAC	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

	n the absence of indicators \
Profile Description: (Describe to the depth needed to document the indicator or confirm	n the absence of indicators.)
Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type Loc²	Texture Remarks
(Indirect)	A STATE OF THE STA
D-5 104K211 100	mucky Sand
6-13 101/24, 100	5
13-20 104R41 100	5
10 00 10 11 1	
	A STATE OF THE PROPERTY OF THE
The state of the s	² Location: PL=Pore Lining, M=Matrix.
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
- IN THE MINISTERS AND	. 19 1 (1)
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, I)	2 cm Muck (A10) (LRR S)
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U)	Reduced Vertic (F18) (outside MLRA 150A,B)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
	Anomalous Bright Loamy Soils (F20)
Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Redox Dark Surface (F6)	(MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	Red Parent Material (TF2)
Muck Presence (A8) (LRR U) Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151)	
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P	P, T) Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B	3)
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 1	
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (ML)	RA 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)	
Restrictive Layer (if observed):	
Type:	
Depth (inches):	Hydric Soil Present? Yes No
Remarks:	
Normana.	



Wetland data point wcmo029f_w facing east.



WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

0.5		2 1222122	I WIIGHT
Project/Site: ACP	City/C	County: Combertance	Sampling Date: 4/18/16
Applicant/Owner: Dominior		The second secon	Sampling Point: www.D29e-1
Investigator(s): L. Roper, S.	Bryan Section	on, Township, Range: None	SERVER AT THE CONTRACT OF THE
Landform (hillslope, terrace, etc.): Cor	olina Bay Local	relief (concave, convex, none):nc	ne Slope (%): 0 − 2
Subregion (LRR or MLRA): LRR 7	Lat: 35,0158	320 Long: -78.74	0203 Datum: W 6589
Soil Map Unit Name: Torhunta	and Lynn Haven	Soils NWI cla	ssification: PEM
Are climatic / hydrologic conditions on the			
Are Vegetation, Soil, or Hy			es" present? Yes No
Are Vegetation, Soil, or Hy			
SUMMARY OF FINDINGS - Atta			ects, 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
Powerline LOW			
Abnormally dry	conditions		
HYDROLOGY			ii to to be a serviced.
Wetland Hydrology Indicators:			ndicators (minimum of two required)
Primary Indicators (minimum of one is re	TENNEST OF THE SECOND MANAGEMENT AND THE SECOND PROPERTY OF THE	Mayo Olavan	Soil Cracks (B6) y Vegetated Concave Surface (B8)
Surface Water (A1) High Water Table (A2)	Aquatic Fauna (B13) Marl Deposits (B15) (LR		e Pattems (B10)
Saturation (A3)	Hydrogen Sulfide Odor ([1] [1] - [rim Lines (B16)
Water Marks (B1)	Oxidized Rhizospheres a		son Water Table (C2)
Sediment Deposits (B2)	Presence of Reduced Iro	SANGER OF THE PROPERTY OF THE	Burrows (C8)
Drift Deposits (B3)	Recent Iron Reduction in		on Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface (C7)	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	rphic Position (D2) Aquitard (D3)
☐ Iron Deposits (B5) ☐ Inundation Visible on Aerial Imagery	Other (Explain in Remar		eutral Test (D5)
Water-Stained Leaves (B9)	(67)		um moss (D8) (LRR T, U)
Field Observations:			
Surface Water Present? Yes	All All Andrews and An	NA	
Water Table Present? Yes	No Depth (inches):		/
Saturation Present? Yes	No Depth (inches): 50	wface Wetland Hydrology P	resent? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge	, monitoring well, aerial photos, pre	evious inspections), if available:	
Remarks:			
	•		

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

Sampling Point: ____

2601 2601	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft x 30ft) 1. NONE	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. 3.		Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.		Prevalence Index worksheet:
7.		Total % Cover of: Multiply by:
B		
	= Total Cover	OBL species x 1 =
50% of total cover:	20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30f4 x 30f4)		FAC species x 3 =
1. None		FACU species x 4 =
2.		UPL species x 5 =
3.		Column Totals: (A) (B)
4		Prevalence Index = B/A =
5,	<u>areas rasial plant talential plant in 2000</u>	Hydrophytic Vegetation Indicators:
6		1 - Rapid Test for Hydrophytic Vegetation
7		2 - Dominance Test is >50%
8.		☐ 3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover:	20% of total cover:	
Herb Stratum (Plot size: 30f+ x 30 f+)		¹ Indicators of hydric soil and wetland hydrology must
1. Andropogon glomeratus	40 Y FACW	be present, unless disturbed or problematic.
2. Juneus effusus	30 Y DBL	Definitions of Four Vegetation Strata:
3. Pinus taeda		
4. Kobus argutus	ZO Y FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5		height.
6		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8,		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10.		
		Woody vine – All woody vines greater than 3.28 ft in height.
11.		neight.
12.	100 = Total Cover	
500/ -44-1-1 5	D 20% of total cover: 20	
	20% of total cover	
Woody Vine Stratum (Plot size: 35f4 x 30ff)		
1. none		
2		
3.		
4		
5.		Hydrophytic
	= Total Cover	Vegetation
50% of total cover:	20% of total cover:	Present? Yes V No No
Remarks: (If observed, list morphological adaptations be	ow).	

lonth	inputorii. (Describe t	o the debut he	eded to document the indicator or confirm	the absence	of indicators.)	
epth	Matrix	0/	Redox Features Color (moist) % Type¹ Loc²	Texture	Remarks	
nches)	Color (moist)	Water Brown and the Control of the Control	color (moist) % Type¹ Loc²	Art of the later a treatment of	Company of the State of the Sta	
)-70	107 R3/1	100		mucky.	5010	
			PALAPA UN LA CONTRA ALLEMAN A GENERAL SE ESPA EN MESTA DE LA PARTICIPA DEL PARTICIPA DEL PARTICIPA DE LA PARTICIPA DEL PARTICIPA	2		
Type: C=Co	ncentration, D=Depl	etion, RM=Rec	uced Matrix, MS=Masked Sand Grains. s, unless otherwise noted.)		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :	
		able to all LKK	Polyvalue Below Surface (S8) (LRR S, T, U	TO THE PERSON NAMED IN	Muck (A9) (LRR O)	
Histosol	(A1) ipedon (A2)	+	Thin Dark Surface (S9) (LRR S, T, U)	COLUMN TO SERVICE DE LA COLUMN TOUR DE LA COLUMN	Auck (A10) (LRR S)	
Black His		1	Loamy Mucky Mineral (F1) (LRR O)		ed Vertic (F18) (outside MLRA 1	50A,E
	n Sulfide (A4)	Ī	Loamy Gleyed Matrix (F2)		ont Floodplain Soils (F19) (LRR F	
	Layers (A5)	Ī	Depleted Matrix (F3)	Anoma	alous Bright Loamy Soils (F20)	
Organic	Bodies (A6) (LRR P,		Redox Dark Surface (F6)		RA 153B)	
A STATE OF THE PROPERTY OF THE PARTY OF THE	cky Mineral (A7) (LR		Depleted Dark Surface (F7)		arent Material (TF2)	
	esence (A8) (LRR U) [Redox Depressions (F8)		Shallow Dark Surface (TF12)	
	ck (A9) (LRR P, T)	F	Mari (F10) (LRR U)	Other	(Explain in Remarks)	
TARRIGING A JUSTINE HARVES	Below Dark Surface	(A11) - F	Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P,	T) ³ Indic	cators of hydrophytic vegetation a	nd
	ark Surface (A12) rairie Redox (A16) (N	11 RA 150A) T	Umbric Surface (F13) (LRR P, T, U)		tland hydrology must be present,	
	lucky Mineral (S1) (L		Delta Ochric (F17) (MLRA 151)		ess disturbed or problematic.	
	Sleyed Matrix (S4)	Ī	Reduced Vertic (F18) (MLRA 150A, 150B)			
	ledox (S5)		Piedmont Floodplain Soils (F19) (MLRA 14			
Stripped	Matrix (S6)	1	Anomalous Bright Loamy Soils (F20) (MLR	A 149A, 153C	;, 153D)	
	rface (S7) (LRR P, S					
lestrictive l	Layer (if observed):				,	
Type:		SOUND THE STREET STATE		l	ID	
Depth (in	ches):			Hydric Soil	Present? Yes V No	
Remarks:						



Wetland data point wcmo029e_w facing north.



Wetland data point wcmo029e_w facing northwest.

	TA FORM – Atlantic and Gulf Coastal Plain Region
Project/Site: ACP	_ City/County: Comberland Sampling Date: 4/18/16
	State: NC Sampling Point: Wcmo 029_4
Investigator(s): L. Roper, S. Bryan	Section, Township, Range: None
Landform (hillslope, terrace, etc.); Carolina Bay	Local relief (concave, convex, none): none Slope (%): D - Z
Subregion (LRR or MLRA): LRR P Lat: 3	5, 015615 Long: -78, 74023 Datum: WGS89
Soil Man Unit Name: Tochunta and Lynn	Haven soils NWI classification: NA
Are climatic / bydrologic conditions on the site typical for this time of	of year? Yes No (If no, explain in Remarks.)
Are Vegetation Soil or Hydrology significa	antly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally	y problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks:	
powerline for	
Powerline ROW Abnormally dry conditions	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that ap	
Surface Water (A1)	HANDS SELECTION (INC.) - 100
High Water Table (A2)	
Saturation (A3)	
[[]	pspheres along Living Roots (C3) Dry-Season Water Table (C2) Educed Iron (C4) Crayfish Burrows (C8)
The ansate additional techniques of the contraction	educed Iron (C4)
☐ Drift Deposits (B3) ☐ Recent Iron Re	
Iron Deposits (B5) Other (Explain	5. Barrier 4. Barrier 1. Barrie
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	0.00
Surface Water Present? Yes No Depth (inc	
Water Table Present? Yes No Depth (inc	
Saturation Present? Yes No Depth (inc	thes): >20 Wetland Hydrology Present? Yes No 1
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial p	photos, previous inspections), if available:
Remarks:	
에 불통하다 가는데 되면 맛이 하는데	스마트 하나는 아니라면 되었다. 나는 아니라

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

2-61 3064		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 Ft x 30 Ft)	% Cover	Species?	Status	Number of Dominant Species 2
1. none				That Are OBL, FACW, or FAC: (A)
2.				T-1-1 Number of Demiserst
3.				Total Number of Dominant Species Across All Strata: (B)
4.				
PM 25 or the first and the first of the firs				Percent of Dominant Species That Are OBL FACW, or FAC: 75 / (A/B)
5	CHANGE COLOR			That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7.		AND DESIGNATION OF THE		Total % Cover of: Multiply by:
8.				OBL species x 1 =
		= Total Co	ver	FACW species x 2 =
50% of total cover:	20% of	f total cover		
Sapling/Shrub Stratum (Plot size: 30f+ x 30f+)				FAC species x 3 =
1. Pínus taeda	10	Y	FAC	FACU species x 4 =
2.				UPL species x 5 =
3.				Column Totals: (A) (B)
AND I see an extension on the company of the control of the contro				
4.				Prevalence Index = B/A =
5.		Secretaria de la composición dela composición de la composición de la composición de la composición dela composición dela composición dela composición de la composición dela composición		Hydrophytic Vegetation Indicators:
6				1 Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
8.				3 - Prevalence Index is ≤3.01
	10	= Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover:5	20% of	f total cover	2	
Herb Stratum (Plot size: 30ft x 30ft)				¹ Indicators of hydric soil and wetland hydrology must
1. Andropogon virginicus	40	V	FAC	be present, unless disturbed or problematic.
2 Eupatorium capillifolium		-	FACU	Definitions of Four Vegetation Strata:
	20	-/-		Definitions of Four Vegetation Strata.
3. Rubus argutus	15	7	FAC	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
THE POST OF THE PROPERTY OF THE POST OF TH				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.				
	75	= Total Co	ver	
50% of total cover: <u>37</u> ι	5 20% o	f total cove	r: <u>15</u>	
Woody Vine Stratum (Plot size: 30f4 x 30 ft)				
1. none				
2.				
AND THE REPORT OF THE PROPERTY	10 A 2010 (CART DATE AV)	ACCESSION OF	Terreson Services	
3.				
4.				
5.		1		Hydrophytic
	0	= Total Co	ver	Vegetation
50% of total cover:	20% o	f total cove	r:	Present? Yes No
Remarks: (If observed, list morphological adaptations bel	ALLE AND TAKEN AND AND	dad - storethaus furs nome sussettiateth		Company Storing 1998, 1921, Class State Reserved to the second se
Kemarks. (ii observed, list morphological adaptations ber	Ovv).			

SOIL								Juliping . Julip
Profile Desc	ription: (Describe	to the depth	needed to docum	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks
0-14	104/21.	100					5	40% uncowled
111.20	1011146	IUD					5	
19-00	TOTICIT	100			25504			
				A THE R				
				Contra	317.713			
					1.00			
Employees consistent		South tool of the		Castalana		CONSTITUTE OF		
						-		100 pp. 100 pp
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, MS	S=Masked	Sand Gra	ains.	*Location	: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all Li	RRs, unless other	wise not	ed.)			s for Problematic Hydric Soils ³ :
☐ Histosol	(A1)		Polyvalue Be	low Surfa	ce (S8) (L	RR S, T, U) <u> </u> 1 cm	Muck (A9) (LRR O)
	pipedon (A2)		Thin Dark Su	rface (S9	(LRR S,	T, U)	2 cm	Muck (A10) (LRR S)
	istic (A3)		Loamy Muck				Redu	ced Vertic (F18) (outside MLRA 150A,B)
ACT TO SERVICE SERVING THE PARTY OF THE PART	en Sulfide (A4)		Loamy Gleye	1 . O 10 TO 10 CO THE BUILDING TO SELECT			Piedr	nont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma				☐ Anon	nalous Bright Loamy Soils (F20)
	Bodies (A6) (LRR F	. T. U)	Redox Dark	99 c. 1889 f 1764 f 1567 f	F6)			RA 153B)
	ucky Mineral (A7) (L		Depleted Da					Parent Material (TF2)
100.09000000000000	resence (A8) (LRR L		Redox Depre					Shallow Dark Surface (TF12)
6. Marie 1000 200 450 450 USES	uck (A9) (LRR P, T)		Marl (F10) (L					r (Explain in Remarks)
Supplied the Supplied	d Below Dark Surface	e (A11)	Depleted Oc		(MLRA 1	51)		
A THE RESERVED	ark Surface (A12)		Iron-Mangan				T) ³ Ind	icators of hydrophytic vegetation and
	rairie Redox (A16) (MI RA 150A)	The state of the control of the cont					etland hydrology must be present,
SE THE RESERVE THE PROPERTY OF THE PARTY OF	Mucky Mineral (S1) (Delta Ochric					nless disturbed or problematic.
	Gleyed Matrix (S4)	Little 0, 0,	Reduced Ve			OA. 150B)		
	Redox (S5)		Piedmont Flo					
	d Matrix (S6)		Anomalous B					C. 153D)
	rface (S7) (LRR P,	e T III		Jingin Loc	, co (, (
	Layer (if observed)							
	Layer (II observed)							
Type:		PARTY LA CAMPATA	-					
Depth (ir	nches):						Hydric Sc	oil Present? Yes No
Remarks:		the seal of the same						
							Profession	



Upland data point wcmo029_u facing south.



Upland data point wcmo029_u facing west.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region City/County: Comberland Sampling Date: 4/18/16 Project/Site: ACP State: NC Sampling Point: Wcmo 029f-w Applicant/Owner: Dominion Investigator(s): LiRoper, S. Bryan Section, Township, Range: None Landform (hillslope, terrace, etc.): Carolina Bay Local relief (concave, convex, none): none Slope (%): Subregion (LRR or MLRA): LRR P Lat: 35, 615 69 Long: -78, 74008 Lynn Haven soils NWI classification: Soil Map Unit Name: Torhunta and 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 _ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? (If needed, explain any answers in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? 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? NCWAM: Pocosir 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) Aquatic Fauna (B13) Surface Water (A1) 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) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Thin Muck Surface (C7) Algal Mat or Crust (B4) Shallow Aquitard (D3) Other (Explain in Remarks) Iron Deposits (B5) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: Yes ____ No ___ Depth (inches): __ Surface Water Present? No ___ Depth (inches): __ Water Table Present? Wetland Hydrology Present? Yes No ____ Depth (inches): __ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

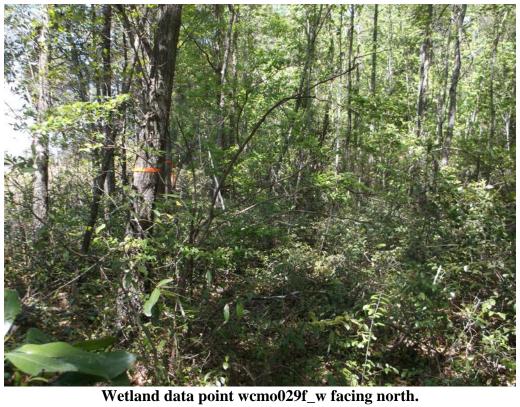
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30f4 x 30f4)		Species?		
Tree Stratum (Flot size. 2011 X 2011)	The second secon	Opecies	FAC	Number of Dominant Species That Are OBL FACW, or FAC: (A)
1. Pinus taeda	15			That Are OBL, FACW, or FAC: (A)
2. Alex rubrum	20	Y	FAC	
	20	V	FACW	Total Number of Dominant Species Across All Strata: (B)
3. Gordonia lasianthus		-/-	11100	Species Across All Strata: (B)
4.				5
PROPERTY OF THE PROPERTY OF TH			Commission (CA)	Percent of Dominant Species That Are OBL FACW, or FAC: (A/B)
5.		0.000.000.000.000.000		That Are OBL, FACW, or FAC: (A/B)
6.				
7.				Prevalence Index worksheet:
	Charles Americanics	le management de l	Security Comments	Total % Cover of: Multiply by:
8. College de la contra de la college de		74.44.44.44	-	OBL species x1 =
	55	= Total Co	ver	[17] [18] [17] [17] [17] [17] [17] [17] [17] [17
50% of total cover: 27				FACW species x 2 =
	20% 01	total cover		FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30f4 x 30f4)				
1. Gordonia lasianthus	20	Y	FACO	FACU species x 4 =
1. 001001110 1031010111100	2.1	-1		UPL species x 5 =
2. Lyonia locida	00		FACW	Column Totals: (A) (B)
3.				Column Totals: (A) (B)
Mark Secretary and the state of the property and the state of the stat				
4.		MANAGEMENT AT SECURITY		Prevalence Index = B/A =
5.				Hydrophytic Vegetation Indicators:
The first of the second of the control of the contr				마스 (Control of the Control of the C
6	e Steering of the control		Decivotate wise of	1- Rapid Test for Hydrophytic Vegetation
7.		Visit de la company		2 - Dominance Test is >50%
8.				☐ 3 - Prevalence Index is ≤3.0¹
	110	La servicio per unid		
		= Total Co		Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 20	20% of	f total cover	. 8	
Herb Stratum (Plot size: 30ff x 30ft)				
Herb Stratum (Plot size: DOTT X 30T1)		1/	-000	¹ Indicators of hydric soil and wetland hydrology must
1. Lyonia lucida	10	<u> </u>	FHUW	be present, unless disturbed or problematic.
THE STATE OF THE PARTY OF THE P				Definitions of Four Vegetation Strata:
2	in a second second	Contract Contract	and the second	
3.				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4.				more in diameter at breast height (DBH), regardless of
BRIDE CONTROL OF THE SECOND CONTROL OF THE S				height.
5.				The state of the s
6.				Sapling/Shrub - Woody plants, excluding vines, less
The first operation and the contraction of the cont				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7.		Dally and Law 1979 No.		
8.				Herb – All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
CONTROL OF STREET AND		PIERCY SAPERIL		
10.	A SECTION AND A SECTION	Paradama des		Woody vine - All woody vines greater than 3.28 ft in
11				height.
[19] 프랑스(Garage) 이 (1970년) (1974년) (1974년) (1974년) 2월 1 - 60일 (1974년) 1월 2월 2월 1일 (1974년) [1974년 (1974년) [197			MALLENA	
12.				
	20	= Total Co	ver	
50% of total cover: LC		f total cove		
25 [25 [2		, total cove	Secretary 1	
Woody Vine Stratum (Plot size: 30f+ x30f+)				
1. Smilax rotundifolia	20	Y	FAC	
	10	V	FAC	
2. Vitis rotundifolia	10		170	
3				
			16.267.6	
4. management of the second of				
5.				Hydrophytic
	30	= Total Co	VOF	Vegetation
	The state of the second			Present? Yes No No
50% of total cover: 15	20% o	f total cove	r:O	
Remarks: (If observed, list morphological adaptations bel	ow)	775-76-20176-5		
Remarks. (II observed, list morphological adaptations bei	uw).			

	and the indicator or confirm the absence of indicators \
Profile Description: (Describe to the depth needed to docum	
	Features % Type¹ Loc² Texture Remarks
(inches) Color (moist) % Color (moist)	70 1700 200 10000
D-5 104K211 100	mucky Sand
6-13 10424, 100	<u> </u>
13-20 104R4/1 100	5
10 00 10 11 1 -	
	=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS Hydric Soil Indicators: (Applicable to all LRRs, unless other	
[10] <u>10 1일 : 10 : 10 : 10 : 10 : 10 : 10 : 10 :</u>	idality (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1984 (1984) 1
	요즘 가는 그들은 그는
Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Depleted Mat Redox Dark S	
The Control of the Co	k Surface (F7) Red Parent Material (TF2)
Muck Presence (A8) (LRR U) Redox Depre	
1 cm Muck (A9) (LRR P, T)	
	nric (F11) (MLRA 151)
	ese Masses (F12) (LRR O, P, T) Indicators of hydrophytic vegetation and
100 100 100 100 100 100 100 100 100 100	ce (F13) (LRR P, T, U) wetland hydrology must be present,
	(F17) (MLRA 151) unless disturbed or problematic.
	tic (F18) (MLRA 150A, 150B)
Sandy Redox (S5)	odplain Soils (F19) (MLRA 149A)
Stripped Matrix (S6) Anomalous B	right Loamy Soils (F20) (MLRA 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)	
Restrictive Layer (if observed):	
Type:	
Depth (inches):	Hydric Soil Present? Yes No
Remarks:	
Tremains.	
24 - BRETHER BRETHER BETHER BRETHER BR	TANDAN 1983 LANG TANG TANDAN TANDAN TANG TANG TANG TANG TANG TANG TANG TA

Environmental Field Surveys Wetland Photo Page



Wetland data point wcmo029f_w facing east.



0.10		0 100010	0 1	ПОПП
	City/C	county: Com Derio	Samplin	g Date: 7/18/16
Applicant/Owner: Dominion		The state of the s		g Point: wcmpD29e=1
Investigator(s): L. Roper, S. B	ryan Section	on, Township, Range: <u>Mor</u>	ie .	
Landform (hillslope, terrace, etc.): Coro	lina Bay Local	relief (concave, convex, none)	none	Slope (%): 0 - 2
Subregion (LRR or MLRA): LRR P	Lat: 35,0158	320 Long: <u>-78</u>	1.740203	Datum: W 6589
Soil Map Unit Name: Torhunta a	nd Lynn Havens	soils	NWI classification:	PEM
Are climatic / hydrologic conditions on the site				
Are Vegetation, Soil, or Hydro			imstances" present?	Yes No
Are Vegetation, Soil, or Hydro			n any answers in Ren	
SUMMARY OF FINDINGS - Attac			transects, impo	rtant features, etc.
Hydric Soil Present? Y Wetland Hydrology Present? Y	res No	Is the Sampled Area within a Wetland?	Yes No	·
Powerline ROW				
Abnormally dry	conditions			
HYDROLOGY				(bestures early = = :
Wetland Hydrology Indicators:			PARTIES AND PROPERTY OF THE PARTY OF THE PAR	nimum of two required)
Primary Indicators (minimum of one is requ	10 Oct. School Market Market State (1997)		Surface Soil Cracks (Sparsely Vegetated (Concave Surface (B8)
Surface Water (A1) High Water Table (A2)	Aquatic Fauna (B13) Marl Deposits (B15) (LRI		Drainage Pattems (B	
Saturation (A3)	Hydrogen Sulfide Odor ([18] [18] [18] [18] [18] [18] [18] [18]	Moss Trim Lines (B16	5)
Water Marks (B1)	Oxidized Rhizospheres a		Dry-Season Water Ta	
Sediment Deposits (B2)	Presence of Reduced Iro		Crayfish Burrows (C8	
Drift Deposits (B3)	Recent Iron Reduction in		Saturation Visible on	
Algal Mat or Crust (B4)	Thin Muck Surface (C7)	HT 15 HT 10 HT	Geomorphic Position Shallow Aquitard (D3	[6] 사용하다 (1984년 1일 - 1984년 1일 - 1984년
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B	Other (Explain in Remark		FAC-Neutral Test (D	
Water-Stained Leaves (B9)	21)		Sphagnum moss (D8	
Field Observations:				
Surface Water Present? Yes		NA		
Water Table Present? Yes	No _ Depth (inches):			/
Saturation Present? Yes	No Depth (inches): 50	Vetland Hydro	ology Present? Yes	s No
(includes capillary fringe) Describe Recorded Data (stream gauge, m	nonitoring well, aerial photos, pre	evious inspections), if available);	
Remarks:				
	•			

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

Sampling Point: ____

2601 2601	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft x 30ft) 1. NONE	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. 3.		Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.		Prevalence Index worksheet:
7.		Total % Cover of: Multiply by:
8.		
	= Total Cover	OBL species x 1 =
50% of total cover:	20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30f4 x 30f4)		FAC species x 3 =
1. None		FACU species x 4 =
2.		UPL species x 5 =
3.		Column Totals: (A) (B)
4		Prevalence Index = B/A =
5,		Hydrophytic Vegetation Indicators:
6		1 - Rapid Test for Hydrophytic Vegetation
7		2 - Dominance Test is >50%
8.		☐ 3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover:	20% of total cover:	
Herb Stratum (Plot size: 30f+ x 30 f+)		¹ Indicators of hydric soil and wetland hydrology must
1. Andropogon glomeratus	40 Y FACW	be present, unless disturbed or problematic.
2. Juneus effusus	30 Y DBL	Definitions of Four Vegetation Strata:
3. Pinus taeda		
	20 Y FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Kobus argutus		more in diameter at breast height (DBH), regardless of height.
6		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10.		
		Woody vine – All woody vines greater than 3.28 ft in height.
11.		neight.
12.	100 = Total Cover	
5	D 20% of total cover: 20	
	20% of total cover:	
Woody Vine Stratum (Plot size: 35 ft x 30 ft)		
1. none		
2	<u> </u>	
3		
4.		
5.		Hydrophytic
	= Total Cover	Vegetation
50% of total cover:	20% of total cover:	Present? Yes V No No
Remarks: (If observed, list morphological adaptations be		
recinance. (ii observed, iist morphologista adaptations as		

rofile Desci	ription: (Describe	to the depth n	eeded to docur	nent the indic	ator or	confirm	the absence	of indicato	rs.)	
epth	Matrix Color (moist)			x Features		Loc ²	Texture		Remarks	
iches)	104 R 3/1	100	Soloi (moist)	70 -1	pe	LOC	mucky	sand		
20	VOIE	100					1	2001		
					-					
Constant of				Contract to						47 16 76
		1000								
					Market 1					
								Haranda ak		
ype: C=Co	ncentration, D=Dep	letion, RM=Re	duced Matrix, MS	S=Masked Sa	nd Grai	ns.			ining, M=Matrix matic Hydric S	
	ndicators: (Applic	able to all LRF						Muck (A9) (I		ons.
Histosol	(A1) ipedon (A2)	ł		low Surface (Inface (S9) (LF				Muck (A10)		
Black His				y Mineral (F1)					18) (outside M	LRA 150A,B
	n Sulfide (A4)	Ì		ed Matrix (F2)					ain Soils (F19)	
	Layers (A5)		Depleted Ma				a cross to the contract of the	Substilia con reconfluiros (S. L. Life)	Loamy Soils (F	20)
	Bodies (A6) (LRR P		Redox Dark					.RA 153B) Parent Mater	rial (TF2)	
 Kincustinatura et alluni habi habet 	cky Mineral (A7) (LF esence (A8) (LRR U		Redox Depre	rk Surface (F7	,				k Surface (TF12	2)
	ck (A9) (LRR P, T)		Marl (F10) (L					(Explain in		
	Below Dark Surfac	e (A11)	Depleted Oc	hric (F11) (ML						
	rk Surface (A12)			ese Masses (drophytic veget	
	airie Redox (A16) (ce (F13) (LRI		U)			logy must be pr ed or problemat	
	ucky Mineral (S1) (I leyed Matrix (S4)	LRR 0, 5)		(F17) (MLRA rtic (F18) (ML		A. 150B)		iiess distarb	ca or problema	
MONTH SECTION AND ADDRESS.	edox (S5)			oodplain Soils						
	Matrix (S6)		Anomalous i	Bright Loamy	Soils (F.	20) (MLR	IA 149A, 153	C, 153D)		
	face (S7) (LRR P, S									
	ayer (if observed)								,	
Type:		The second second	-				Undele Ce	il Present?	Yes V	No
LUGBERA OF CHARLES	ches):	PECCET MERCE	=				Hydric 30	ii Fresenti	163	
emarks:										

Environmental Field Surveys Wetland Photo Page



Wetland data point wcmo029e_w facing north.



Wetland data point wcmo029e_w facing northwest.

	A FORM – Atlantic and Gulf Coastal Plain Region
Project/Site: ACP	_ City/County: Comberland sampling Date: 4/18/16
Applicant/Owner: Dominion	State: NC Sampling Point: Wcmo 029_u
Investigator(s): L. Roper, S. Bryan	Section, Township, Range: NONE
Landform (hillstone terrace etc.): Carolina Bay	Local relief (concave, convex, none): none Slope (%): D -Z
Subregion (LRR or MLRA): LRR P Lat: 35	0.015615 Long: -78.74023 Datum: WGS89
Soil Man Unit Name: Tochunta and Lynn t	Haven soils NWI classification: NA
Are climatic / bydrologic conditions on the site typical for this time of	year? Yes No (If no. explain in Remarks.)
Are Vegetation Soil or Hydrology significant	tly 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	ng 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 Presents:	
Remarks.	
Doner I'me Food	
1-12-1-1	
Remarks: Powerline ROW Abnormally dry conditions	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	
Surface Water (A1)	개발가속 사용 가는 아이를 가는 것이 되었다. 그는 이 이 아이를 하는 것이 되었다. 그는 이 아이를 하는 것이 되었다. 그는 이 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이
High Water Table (A2) High Water Table (A2)	- 1982년 (1982년 1982년
☐ Saturation (A3) ☐ Hydrogen Sulfide	
	. LING HEADERS NOT NOT HEADERS NOT A LINE TO BE A LINE TO SERVICE AND A LINE TO SERVICE AND A LINE
THE CONTROL OF THE PROPERTY OF	luction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surfa	
Iron Deposits (B5) Other (Explain in	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	Δ.0
Surface Water Present? Yes No Depth (inch	
Water Table Present? Yes No Depth (inch	
Saturation Present? Yes No Depth (inch	es): >20 Wetland Hydrology Present? Yes No/
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial ph	otos, previous inspections), if available:
Remarks:	
HE CONTRACTOR OF STATE CONTRACTOR S	

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

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft x 30ft)	% Cover Species? Status	
		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1. none		That Ale OBL, PACW, OT AC (7)
2.		Total Number of Dominant
3.		Species Across All Strata: (B)
4.		
		Percent of Dominant Species That Are OBL FACW, or FAC: 75 / (A/B)
5.		That Are OBL, FACW, or FAC: (A/B)
6.	Carlo and the control of the control	Prevalence Index worksheet:
7.		
8.		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
		FACW species x 2 =
그렇지만 그게 되었다. 그리고 있는 지금 안에 하는 이 집에 있는 이 집에 있는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다.	20% of total cover:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30f+ x30f+)		FACU species x 4 =
1. Pínus taeda	10 Y FAC	FACU species X4 =
용면서는 100kg 150kg		UPL species x 5 =
2.		Column Totals: (A) (B)
3.	PROPERTY OF THE PROPERTY OF TH	
4.	Bond British Shipman And Statish And St	Prevalence Index = B/A =
5.		Hydrophytic Vegetation Indicators:
		H 10 Helio, A 2017 July 1-2 100 D
6		1 Rapid Test for Hydrophytic Vegetation
7.	ng annatan sarah yang bandaran dalah d	2 - Dominance Test is >50%
8.		☐ 3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
EDW of total power:	20% of total cover: 2	Troblematic rijuroprijito vegetaben (explani)
30 Ct. 30 Ct.	20 % of total cover:	
Herb Stratum (Plot size: 30ft x 30ft)	110 11 000	¹ Indicators of hydric soil and wetland hydrology must
1. Andropogon virginicus		be present, unless disturbed or problematic.
2. Eupatorium capitlifolium	ZO Y FACU	Definitions of Four Vegetation Strata:
3. Rubus argutus	15 Y FAC	
CONTRACTOR LEGISLACIONES DE L'ARREST (EL MANAGER LANGE LA LIGITA LA LIGITA LA LIGITA DE LA LIGITA DEL LIGITA DE LA LIGITA DELLA LIGITA DE LA LIGITA DE LA LIGITA DE LA LIGITA DE LA LIGITA DELLA LIGITA DE LA LIGITA DELLA LIGITA		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
		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7.		
8,		Herb – All herbaceous (non-woody) plants, regardless
9.	A STATE AND A STATE OF THE SHIP	of size, and woody plants less than 3.28 ft tall.
10.		Woody vine - All woody vines greater than 3.28 ft in
		height.
11.		Height.
12.		
	75 = Total Cover	
50% of total cover: 37i	5 20% of total cover: 15	
Woody Vine Stratum (Plot size: 30f4 x 30 f4)		
The control of the co		
1. none		
2.		
3.		
TAY AREA TO THE ORDER OF THE AREA TO SEE AND THE PARTY OF		
4		
5.		Hydrophytic
	= Total Cover	Vegetation Present? Yes No
50% of total cover:	20% of total cover:	Present? Yes No
BOOK ASSESSION OF COLORS ASSESSION OF COLORS ASSESSION AND CONTRACTOR OF COLORS ASSESSION AND COLORS ASSESSION ASSES		
Remarks: (If observed, list morphological adaptations bel	uw).	
# 1988 : H. H. S. H.		

SOIL								Junipang . Juni
Profile Desc	ription: (Describe	to the depth	needed to docum	nent the i	indicator o	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	%	Color (moist)	%_	Type1	Loc ²	Texture	Remarks
0-14	104K21.	100					5	40% uncowled
111.20	1011146	IUD			la de la composição de la		5	
19-00	TOTICIT	100						
100 100 100 100 100 100 100 100 100 100				Chestotes				Contemporary of the Contemporary Contemporary
					1			
Company of the Company				CONTRACTOR OF	A CHARGO	ARREST TO		
								A STATE OF THE STATE OF T
¹ Type: C=C	oncentration, D=Dep	letion, RM=R	educed Matrix, MS	S=Masked	d Sand Gra	ains.	² Location	: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all Li	RRs, unless other	wise not	ed.)		Indicator	s for Problematic Hydric Soils ³ :
☐ Histosol	(A1)		Polyvalue Be	low Surfa	ce (S8) (L	RR S, T, U) 1 cm	Muck (A9) (LRR O)
	pipedon (A2)		Thin Dark Su				2 cm	Muck (A10) (LRR S)
	istic (A3)		Loamy Muck				Redu	ced Vertic (F18) (outside MLRA 150A,B)
ACT TO SERVICE SERVING THE PARTY OF THE PART	en Sulfide (A4)		Loamy Gleye	1 . O to 10 forest to 2. Garage 4.1				nont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma		· -,		The second secon	nalous Bright Loamy Soils (F20)
	Bodies (A6) (LRR F	T. III	Redox Dark	99 c. 1889 f 1764 f 1567 f	F6)		A TOTAL TOTAL STREET, THE STRE	RA 153B)
	ucky Mineral (A7) (L		Depleted Dan					Parent Material (TF2)
100.09000000000000	resence (A8) (LRR L		Redox Depre		AND A STREET, ADMINISTRATION			Shallow Dark Surface (TF12)
6. 1000 200 450 450 450	uck (A9) (LRR P, T)	"	Marl (F10) (L		-,			r (Explain in Remarks)
Supplied the Supplied		- (011)	Depleted Oc		/MI DA 1	51)		
A THE RESERVE	d Below Dark Surfac	E (ATT)	Iron-Mangan				T) ³ Ind	icators of hydrophytic vegetation and
	ark Surface (A12)	M DA 450AV	The state of the control of the cont					etland hydrology must be present,
SE THE RESERVE TO SERVE TO SER	rairie Redox (A16) (, 0)		nless disturbed or problematic.
	Mucky Mineral (S1) (LRR O, S)	Delta Ochric			.n. 4EDD)		liess disturbed of problemation
	Gleyed Matrix (S4)		Reduced Ve					
	Redox (S5)		Piedmont Flo					C 152D)
	d Matrix (S6)		Anomalous B	Bright Loa	imy Soils (F20) (MLR.	A 149A, 153	C, 153D)
	ırface (S7) (LRR P,				Bala Seria.		landen An	a distribution of the English and a second of the second of
Restrictive	Layer (if observed)):						
Type:		Part of the second						
Depth (in	nches):						Hydric Sc	oil Present? Yes No
Remarks:	tanubatan 14. Kanada da Kanada Maria (K. K. K	the sent of well as	AND AND THE PROPERTY OF					
Remarks.								
1								
				Sen Black	White Labor	W LEWIS THE		

Environmental Field Surveys Wetland Photo Page



Upland data point wcmo029_u facing south.



Upland data point wcmo029_u facing west.

Project/Site: Atlantic Coast Pipeline	City/County: Cun	nberland County	Sampling Date: 4/19/2016				
Applicant/Owner: Dominion							
	Section, Townshi						
Landform (hillslope, terrace, etc.): Depression							
Subregion (LRR or MLRA): P							
Soil Map Unit Name: Byars loam		NWI classi					
Are climatic / hydrologic conditions on the site typical fo							
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances"	" present? Yes No				
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answ	vers in Remarks.)				
SUMMARY OF FINDINGS - Attach site ma	ap showing sampling po	int locations, transect	ts, important features, etc.				
Hydrophytic Vegetation Present? Yes <u>✓</u>	No Is the Sar						
	No.	mpled Area	V Na				
The state of the s	No within a V	vetiand? Yes	<u>√</u> No				
Remarks:							
Disturbed utility ROW, part of wetland abuts scmf002							
HYDROLOGY							
Wetland Hydrology Indicators:		-	cators (minimum of two required)				
Primary Indicators (minimum of one is required; check	all that apply)	Surface Sc					
	atic Fauna (B13)		egetated Concave Surface (B8)				
l .	I Deposits (B15) (LRR U)		Patterns (B10)				
	rogen Sulfide Odor (C1)		Lines (B16)				
· ·	dized Rhizospheres along Living		n Water Table (C2)				
	sence of Reduced Iron (C4) ent Iron Reduction in Tilled Soils	✓ Crayfish B	Visible on Aerial Imagery (C9)				
	n Muck Surface (C7)		ic Position (D2)				
	er (Explain in Remarks)		quitard (D3)				
Inundation Visible on Aerial Imagery (B7)	or (Explain in Homano)	FAC-Neutr					
Water-Stained Leaves (B9)			moss (D8) (LRR T, U)				
Field Observations:							
Surface Water Present? Yes No	Depth (inches):						
Water Table Present? Yes _ V No	Depth (inches): 12						
Saturation Present? Yes No	Depth (inches): 0	Wetland Hydrology Pres	ent? Yes <u> </u>				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring w	vell aerial photos, previous inspe	ctions) if available:					
Bescribe Recorded Bata (Stream gauge, monitoring w	cii, acriai priotos, previous irispe	ctions), ii available.					
Remarks:							

0		Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:6 (A)
2				Total Number of Dominant Species Across All Strata: 7 (B)
4.				(E)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 85.71428571 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8		= Total Cov		OBL species20 x 1 =20
50% of total cover:		total cover:	0	FACW species10
Sapling/Shrub Stratum (Plot size: 0)	20 /0 01	total cover.		FAC species x 3 = 60
1. Liquidambar styraciflua	10	Yes	FAC	FACU species0 x 4 =0
2. Pinus taeda	5	Yes	FAC	UPL species10 x 5 =50
3. Acer rubrum	5	Yes	FAC	Column Totals:60
				Prevalence Index = R/A = 2.5
				Trevalence mack B//
5 6.				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
0	20	= Total Cov		✓ 3 - Prevalence Index is ≤3.0¹
50% of total cover: 10		total cover:	4	Problematic Hydrophytic Vegetation ¹ (Explain)
Herb Stratum (Plot size:0)	20 /0 01	total cover.		1
1. Rubus allegheniensis	10	Yes	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Carex lupulina	10	Yes	OBL	Definitions of Four Vegetation Strata:
3. Juncus effusus	10	Yes	OBL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Arundinaria gigantea 5	10	Yes	FACW	more in diameter at breast height (DBH), regardless of 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			_	Weeds sine All woods since greater than 2.20 ft in
11.				Woody vine – All woody vines greater than 3.28 ft in height.
12.				
	40 :	= Total Cov	er	
50% of total cover: 20	20% of	total cover:	8	
Woody Vine Stratum (Plot size:)				
1				
2				
3.			_	
4.				
5.				Hydrophytic
	0 :	= Total Cov	er	Vegetation
50% of total cover:		total cover:	^	Present? Yes No
Remarks: (If observed, list morphological adaptations below				
Tromania. (Il abbolitad, list morphological adaptations bolo	,.			

SOIL Sampling Point: wcmf010e_w

	cription: (Describe	to the dept				or confirm	the absence of	f indicators.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Features %	Type ¹	Loc²	Texture	Remarks	
0-5	2.5Y 2.5/1	95	10YR 4/4	5	C	PL	SCL	rtomanto	
5-16	2.5Y 4/1	100					cos		
1 _{Tymov} C=C	`anaantration D=Day	alation DM-	Doduced Metrix M	C-Maakad	Cand Cr		² l costion: D	L=Pore Lining, M=Matrix	
	Concentration, D=Dep Indicators: (Applie					allis.		or Problematic Hydric S	
Histoso		Jubio to un i	Polyvalue Be		•	RRS T II		ck (A9) (LRR O)	
	pipedon (A2)		Thin Dark S					ck (A10) (LRR S)	
	listic (A3)		Loamy Muck					Vertic (F18) (outside N	/ILRA 150A,B)
	en Sulfide (A4)		Loamy Gley					t Floodplain Soils (F19)	
Stratifie	d Layers (A5)		Depleted Ma				Anomalo	us Bright Loamy Soils (I	F20)
_	Bodies (A6) (LRR F		Redox Dark					(153B)	
	ucky Mineral (A7) (L		Depleted Da					ent Material (TF2)	
	resence (A8) (LRR L	J)	Redox Depr		3)			allow Dark Surface (TF1	2)
	uck (A9) (LRR P, T) ed Below Dark Surfac	o (A11)	Marl (F10) (I		/MIDA 1	54\	Other (Ex	xplain in Remarks)	
-	ark Surface (A12)	E (ATT)	Depleted Oc Iron-Mangar				r) ³ Indicat	ors of hydrophytic veget	ation and
	Prairie Redox (A16) (MLRA 150A	_					nd hydrology must be pr	
	Mucky Mineral (S1)		Delta Ochric			, -,		s disturbed or problemat	
-	Gleyed Matrix (S4)		Reduced Ve			0A, 150B)			
Sandy I	Redox (S5)		Piedmont Fl						
	d Matrix (S6)		Anomalous I	Bright Loan	ny Soils (F20) (MLR	A 149A, 153C, 1	53D)	
	urface (S7) (LRR P,								
_	Layer (if observed)	:							
Type:									
	nches):						Hydric Soil P	resent? Yes	No
Remarks:									



Photo 1
Wetland data point wcmf010e_w facing southwest



Photo 2
Wetland data point wcmf010e_w facing northwest

Project/Site: Atlantic Coast Pipeline		City/County: Cumb	erland County	Sampling Date: 4/19/2016			
Applicant/Owner: Dominion			State: NC	Sampling Point: wcmf010_u			
Investigator(s): SH, SA Section, Township, Range: No PLSS in this area							
Landform (hillslope, terrace, etc.): Flat				Slope (%): 0			
Subregion (LRR or MLRA): P							
Soil Map Unit Name: Byars loam	Lut		NWI class				
Are climatic / hydrologic conditions on t	ho site typical for this time						
Are Vegetation, Soil, or							
Are Vegetation, Soil, or							
SUMMARY OF FINDINGS – A	ttach site map show	ing sampling poi	nt locations, transec	ets, important features, etc.			
Hydrophytic Vegetation Present?	Yes No	Is the Sam	alad Araa				
Hydric Soil Present?	Yes No			No 🗸			
Wetland Hydrology Present?	Yes No	Witimi a Wi	- Tes_				
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Ind	licators (minimum of two required)			
Primary Indicators (minimum of one is	required; check all that ap	ply)	Surface Soil Cracks (B6)				
Surface Water (A1)	Aquatic Fauna	(B13)	Sparsely \	Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)	Marl Deposits			Drainage Patterns (B10)			
Saturation (A3)	Hydrogen Sulfi			Lines (B16)			
Water Marks (B1)		ospheres along Living R		on Water Table (C2)			
Sediment Deposits (B2)	Presence of Re			Burrows (C8)			
Drift Deposits (B3)		eduction in Tilled Soils (n Visible on Aerial Imagery (C9) nic Position (D2)			
Algal Mat or Crust (B4) Iron Deposits (B5)	Thin Muck Sur Other (Explain			quitard (D3)			
Inundation Visible on Aerial Imag		iii Neiliaiks)		ral Test (D5)			
Water-Stained Leaves (B9)	Siy (Di)			n moss (D8) (LRR T, U)			
Field Observations:				· · · · · · · ·			
Surface Water Present? Yes _	No V Depth (inc	ches):					
Water Table Present? Yes _	No 🔽 Depth (inc	ches):					
	No 🔽 Depth (inc	ches):	Wetland Hydrology Pres	sent? Yes No			
(includes capillary fringe) Describe Recorded Data (stream gauge)	go monitoring well aerial r	photos provious inspect	ions) if available:				
Describe Recorded Data (stream gaus	ge, monitoring well, aerial p	onotos, previous irispeci	ioris), ii avaliable.				
Remarks:							

	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:)		Species?	Status	Number of Dominant Species
1 Liquidambar styraciflua	30	Yes	FAC	That Are OBL, FACW, or FAC: 7 (A)
2. Liquidambar styraciflua	30	Yes	FAC	That Alc OBE, I AOW, OF I AO.
3. Acer rubrum	20	Yes	FAC	Total Number of Dominant Species Across All Strate: 8 (B)
4. Pinus taeda	10	No	FAC	Species Across All Strata: 8 (B)
				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 87.5 (A/B)
6				Prevalence Index worksheet:
7				
8				Total % Cover of: Multiply by:
	60	= Total Cov	er	OBL species X I = 5
50% of total cover:	20% of	total cover:	12	FACW species x 2 = 0
Sapling/Shrub Stratum (Plot size: 0)	<u></u>			FAC species x 3 =
1 Liquidambar styraciflua	20	Yes	FAC	FACU species0 x 4 =0
2. Liquidambar styraciflua	20	Yes	FAC	UPL species0 x 5 =0
3. Acer rubrum	15	Yes	FAC	Column Totals: 165 (A) 495 (B)
	15	Yes	FAC	(, (,
4. Acer rubrum				Prevalence Index = B/A =
5. Pinus taeda	10	Yes	FAC	Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8.				✓ 3 - Prevalence Index is ≤3.0 ¹
	45	= Total Cov		
50% of total cover: 22.5		total cover:	^	Problematic Hydrophytic Vegetation ¹ (Explain)
^	20% 01	total cover.		
Herb Stratum (Plot size:) 1 Smilax rotundifolia	5 0	Vaa	EAC	¹ Indicators of hydric soil and wetland hydrology must
	50	Yes	FAC	be present, unless disturbed or problematic.
2. Vitis sp.	5	No		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				Continue/Charak Manda plants avaluating vines lass
-				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				than 6 m. BBT and greater than 6.20 te (1 m) tail.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12				
	50	= Total Cov	er	
50% of total cover:27.5		total cover:		
Woody Vine Stratum (Plot size:0)				
1. Vitis sp.	10	Yes		
2 Smilax rotundifolia	10	Yes	FAC	
3				
4				
5				Hydrophytic
	10	= Total Cov	er	Vegetation
50% of total cover: 10	20% of	total cover:	4	Present? Yes No
Remarks: (If observed, list morphological adaptations below				
Tremarks. (II observed, list morphological adaptations below	v).			

SOIL Sampling Point: wcmf010_u

Profile Des	cription: (Describe	to the depth	needed to docu	ment the i	ndicator	or confirm	the absence of in	dicators.)	
Depth	Matrix			x Feature					
(inches) 0-6	Color (moist) 2.5Y 2.5/1	<u>%</u> 100	Color (moist)	%	Type ¹	Loc ²	Texture SCL	Remark	<u>(S</u>
-									
6-16	2.5Y 3/1	100					SCL		
									_
	-								
									
¹Type: C=C	concentration, D=Dep	letion, RM=R	educed Matrix, M	S=Masked	Sand Gra	ains.	² Location: PL=	Pore Lining, M=M	atrix.
	Indicators: (Applic							roblematic Hydi	
Histoso	I (A1)		Polyvalue B	elow Surfa	ce (S8) (L	RR S, T, U) 1 cm Muck	(A9) (LRR O)	
Histic E	pipedon (A2)		Thin Dark S				2 cm Muck	(A10) (LRR S)	
	istic (A3)		Loamy Muck			(O)			de MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley		F2)				19) (LRR P, S, T)
	d Layers (A5)	T 11)	Depleted Ma		-0)			Bright Loamy Soi	Is (F20)
_	: Bodies (A6) (LRR P ucky Mineral (A7) (Lf		Redox DarkDepleted Da				(MLRA 1	Material (TF2)	
	resence (A8) (LRR U		Redox Depr					w Dark Surface (1	ΓF12)
	uck (A9) (LRR P, T)	,	Marl (F10) (I		- ,			ain in Remarks)	
	d Below Dark Surfac	e (A11)	Depleted Oc		(MLRA 1	51)	` .	,	
Thick D	ark Surface (A12)		Iron-Mangar	nese Mass	es (F12) (LRR O, P,	•	of hydrophytic ve	-
	Prairie Redox (A16) (I					, U)		hydrology must be	•
-	Mucky Mineral (S1) (I	LRR O, S)	Delta Ochric			0.4 .450D\	unless d	isturbed or proble	matic.
	Gleyed Matrix (S4) Redox (S5)		Reduced Ve Piedmont FI				247		
-	d Matrix (S6)						A 149A, 153C, 153	D)	
	urface (S7) (LRR P, \$	S. T. U)	/ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	brigin Loui	Try Cons (I	20) (MEIX)	1 140/4, 1000, 100	υ,	
	Layer (if observed):								
Type:									
Depth (in	iches):						Hydric Soil Pres	ent? Yes	No
Remarks:			<u></u>						
İ									



Photo 1
Upland data point wcmf010_u facing northeast



Photo 2
Upland data point wcmf010_u facing southeast

Project/Site: Atlantic Coast Pipeline		City/C	ounty: Cumberland Co	ounty	_ Sampling Date: 4/19/2016		
Applicant/Owner: Dominion	State: NC Sampling Point: wcmf011e_v						
• •		Section	on, Township, Range:		•		
Landform (hillslope, terrace, etc.): Depres							
Subregion (LRR or MLRA): P							
Soil Map Unit Name: Byars loam					cation: None		
Are climatic / hydrologic conditions on the							
Are Vegetation, Soil, or Hy	ydrology	significantly distur	bed? Are "Norm	al Circumstances"	present? Yes No		
Are Vegetation, Soil, or Hy	ydrology	naturally problema	atic? (If needed	, explain any answe	ers in Remarks.)		
SUMMARY OF FINDINGS - Att	ach site ma	ap showing sam	pling point locat	ions, transects	s, important features, etc.		
Hydrophytic Vegetation Present?	Yes ✔	No					
Hydric Soil Present?		No	Is the Sampled Area				
Wetland Hydrology Present?		No	within a Wetland?	Yes	No		
Remarks:							
Slight depression in disturbed utility ROV	V						
HYDROLOGY							
Wetland Hydrology Indicators:				Secondary Indica	ators (minimum of two required)		
Primary Indicators (minimum of one is re	equired; check	all that apply)		Surface Soil	Cracks (B6)		
Surface Water (A1)	Aqua	atic Fauna (B13)		Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)	Marl	Deposits (B15) (LRF	R U)		atterns (B10)		
✓ Saturation (A3)	Moss Trim L						
Water Marks (B1)			long Living Roots (C3)		Water Table (C2)		
Sediment Deposits (B2)		ence of Reduced Iro		✓ Crayfish Burrows (C8)			
Drift Deposits (B3)		ent Iron Reduction in	Tilled Soils (C6)	· · · · ·			
Algal Mat or Crust (B4)		Muck Surface (C7)		Geomorphic Position (D2)			
Iron Deposits (B5) Inundation Visible on Aerial Imagery		er (Explain in Remark	(S)	Shallow Aquitard (D3) ✓ FAC-Neutral Test (D5)			
Water-Stained Leaves (B9)	/ (D/)				moss (D8) (LRR T, U)		
Field Observations:			<u> </u>	Opinagrium i	11033 (DO) (ERR 1, 0)		
	No 🗸	Depth (inches):					
		Depth (inches):					
		Depth (inches): 5	Wetland	Hydrology Prese	nt? Yes ✓ No		
(includes capillary fringe)					100		
Describe Recorded Data (stream gauge	, monitoring we	ell, aerial photos, pre	vious inspections), if a	vailable:			
Remarks:							
					ļ.		
					ļ.		
					ļ		

0		Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:0) 1		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
2.				
3.				Total Number of Dominant Species Across All Strata: 5 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8	0			OBL species35 x 1 =35
50% 51.1.1		= Total Cov	Λ	FACW species 20 x 2 = 40
50% of total cover:	20% of	total cover:		FAC species 20 x 3 = 60
Sapling/Shrub Stratum (Plot size: 0) 1 Liquidambar styraciflua	10	Yes	FAC	FACU species 0 x 4 = 0
Discus to a de	5	Yes		UPL species 0 x 5 = 0
2. Pinus taeda			FAC	Column Totals: 75 (A) 135 (B)
3. Acer rubrum	5	Yes	FAC	Column Totals (A) (B)
4 5.				Prevalence Index = B/A =1.8
··-				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	20			3 - Prevalence Index is ≤3.0 ¹
10		= Total Cov		Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover:10	20% of	total cover:		
Herb Stratum (Plot size:) 1 Juncus effusus	30	Yes	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2 Saccharum brevibarbe	20	Yes	FACW	Definitions of Four Vegetation Strata:
3. Carex lupulina	5	No	OBL	Definitions of Four Vegetation offata.
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. 5.				more in diameter at breast height (DBH), regardless of 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 2.29 ft in
11.				Woody vine – All woody vines greater than 3.28 ft in height.
12.				
	55	= Total Cov	er	
50% of total cover: 27.5				
Woody Vine Stratum (Plot size:0)				
1				
2				
3				
5	0			Hydrophytic
50% of total cover:		= Total Cov		Vegetation Present? Yes No
		total cover:		
Remarks: (If observed, list morphological adaptations below	w).			

SOIL Sampling Point: wcmf011e_w

	cription: (Describe	to the dept				or confirm	the absence of i	indicators.)			
Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	ox Features %	Type ¹	Loc²	Texture Remarks				
0-6	2.5Y 2.5/1	95	10YR 3/4	5	C	PL	SC	Remarks			
6-18	2.5Y 3/1	98	10YR 4/6				CL CL				
	2.51 5/1		1011(4/0								
							·				
,											
	-										
1			Dadwa al Matric M		0		21 ti DI	Dans Linius M. Matrix			
	Concentration, D=Dep Indicators: (Applic					ains.		=Pore Lining, M=Matrix. Problematic Hydric Soils ³ :			
Histoso		able to all	Polyvalue Be		•	DD S T I		k (A9) (LRR O)			
	Epipedon (A2)		Thin Dark St					k (A10) (LRR S)			
	listic (A3)		Loamy Muck					Vertic (F18) (outside MLRA 150A,B)			
	en Sulfide (A4)		Loamy Gley					Floodplain Soils (F19) (LRR P, S, T)			
	ed Layers (A5)		Depleted Ma					s Bright Loamy Soils (F20)			
_	Bodies (A6) (LRR F		Redox Dark				(MLRA				
	ucky Mineral (A7) (L		Depleted Da					nt Material (TF2)			
	resence (A8) (LRR Uuck (A9) (LRR P, T)	<i>)</i>)	Redox Depression Marl (F10) (I		5)			low Dark Surface (TF12) plain in Remarks)			
	ed Below Dark Surface	e (A11)	Depleted Oc		(MLRA 1	51)	Outer (EX	olain in remarko)			
-	ark Surface (A12)	, ,	Iron-Mangar				T) ³ Indicator	rs of hydrophytic vegetation and			
Coast F	Prairie Redox (A16) (MLRA 150A) Umbric Surfa	ace (F13) (LRR P, T	, U)		d hydrology must be present,			
-	Mucky Mineral (S1) (LRR O, S)	Delta Ochric					disturbed or problematic.			
	Gleyed Matrix (S4)		Reduced Ve								
-	Redox (S5) d Matrix (S6)		Piedmont Flo				эд) A 149A, 153C, 15	(3D)			
	urface (S7) (LRR P, \$	S, T, U)	/ 110111410401	brigin Loan	ny cono (1 20) (III 21 C	A 140A, 1000, 10	(32)			
	Layer (if observed)										
Type:											
Depth (ir	nches):						Hydric Soil Pre	esent? Yes No			
Remarks:											



Photo 1
Wetland data point wcmf011e_w facing southwest



Photo 2
Wetland data point wcmf011e_w facing northwest

Project/Site: Atlantic Coast Pipeline		City/C	ounty: Cumberland C	County	Sampling Date: 4/19/2016			
Applicant/Owner: Dominion			,	State: NC	Sampling Point: wcmf011_u			
Investigator(s): SH, SA		Section	on, Township, Range:					
					Slope (%): 1			
Subregion (LRR or MLRA): P								
Soil Map Unit Name: Byars loam								
Are climatic / hydrologic conditions on the	site typical for this							
Are Vegetation, Soil, or Hy								
Are Vegetation, Soil, or Hy								
SUMMARY OF FINDINGS – Att	ach site map s	howing sam	pling point loca	tions, transect	s, important features, etc.			
Hydrophytic Vegetation Present?	Yes <u></u> ✓ No		Is the Sampled Are	12				
Hydric Soil Present?	Yes No		within a Wetland?		No 🗸			
Wetland Hydrology Present?	Yes No		within a Wetland:	163				
HADBOLOCA								
HYDROLOGY Wetland Hydrology Indicators:				Socondary India	notoro (minimum of two required)			
Primary Indicators (minimum of one is re	aquired: check all th	at annly)		Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)				
Surface Water (A1)	-				egetated Concave Surface (B8)			
High Water Table (A2)								
Saturation (A3)	Hydrogen	Moss Trim I	atterns (B10) Lines (B16)					
Water Marks (B1)								
Sediment Deposits (B2)	Presence	of Reduced Iro	n (C4)	ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)				
Drift Deposits (B3)	Recent Iro	on Reduction in	Tilled Soils (C6)					
Algal Mat or Crust (B4)	Thin Mucl	k Surface (C7)		Geomorphic Position (D2)				
Iron Deposits (B5)	Other (Ex	plain in Remark	s)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery	/ (B7)			FAC-Neutra				
Water-Stained Leaves (B9)				Sphagnum	moss (D8) (LRR T, U)			
Field Observations:								
	No Dept							
	No Dept							
Saturation Present? Yes (includes capillary fringe)	No <u> </u>	h (inches):	Wetlan	d Hydrology Prese	ent? Yes No			
Describe Recorded Data (stream gauge	, monitoring well, as	erial photos, pre	vious inspections), if	available:				
Demodus								
Remarks:								

0	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)		Species?		Number of Dominant Species
1. Pinus taeda	<u>75</u>	Yes	FAC	That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4.				
5				Percent of Dominant Species That Are OBL FACW or FAC: 100 (A/B)
^				That Are OBL, FACW, or FAC:(A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8				OBL species0 x 1 =0
27.5		= Total Cov		FACW species 0 x 2 = 0
50% of total cover:37.5	20% of	total cover:	15	155 465
Sapling/Shrub Stratum (Plot size: 0)				FAC species x 3 =
1. Acer rubrum	80	Yes	FAC	FACU species x 4 =
2				UPL species x 5 =
3.				Column Totals:155 (A)465 (B)
4.				Prevalence Index = R/A = 3
г				Trevalence index B//
				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				✓ 2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.0¹
	80	= Total Cov	er	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 40	20% of	total cover:	16	
Herb Stratum (Plot size:)				¹ Indicators of hydric soil and wetland hydrology must
1				be present, unless disturbed or problematic.
2.				Definitions of Four Vegetation Strata:
				John Marie St. Four Togotation Official
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of height.
5				neight.
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				We a treature Allows the size a secretar them 0.00 ft in
11.				Woody vine – All woody vines greater than 3.28 ft in height.
12.				noight.
12.	0	= Total Cov		
500/ 61.11			_	
50% of total cover:0	20% of	total cover:		
Woody Vine Stratum (Plot size:)				
1				
2				
3				
4				
5.				Livelyambyeia
<u> </u>	0	= Total Cov		Hydrophytic Vegetation
50% of total cover:0		total cover:		Present? Yes No
		total cover.		
Remarks: (If observed, list morphological adaptations belo	w).			

SOIL Sampling Point: wcmf011_u

Depth	cription: (Describe to Matrix			x Feature				,	
(inches)	Color (moist)	%	Color (moist) % Type ¹ Loc ² Texture Remarks						S
0-18	2.5Y 2.5/1	100					SCL		
	-			_					
-			_						
-				-					
	·								
¹ Type: C=C	Concentration, D=Depl	etion RM=R	educed Matrix M	S=Masked	d Sand Gr	ains	² Location: PL	=Pore Lining, M=Ma	atrix
	Indicators: (Applica							Problematic Hydr	
Histoso			Polyvalue Be			RR S. T. U		k (A9) (LRR O)	
	pipedon (A2)		Thin Dark Su					k (A10) (LRR S)	
	listic (A3)		Loamy Muck					Vertic (F18) (outsid	le MLRA 150A.B)
	en Sulfide (A4)		Loamy Gleye			-,		Floodplain Soils (F1	
	ed Layers (A5)		Depleted Ma		,			s Bright Loamy Soil	
	Bodies (A6) (LRR P,	T, U)	Redox Dark		- 6)		(MLRA		,
-	ucky Mineral (A7) (LR		Depleted Da				•	nt Material (TF2)	
	resence (A8) (LRR U		Redox Depre	essions (F	8)		Very Shall	low Dark Surface (T	F12)
1 cm M	uck (A9) (LRR P, T)		Marl (F10) (L	_RR U)			Other (Exp	plain in Remarks)	
Deplete	ed Below Dark Surface	e (A11)	Depleted Oc	hric (F11)	(MLRA 1	51)			
Thick D	ark Surface (A12)		Iron-Mangan	ese Mass	es (F12) (LRR O, P,	T) ³ Indicato	rs of hydrophytic ve	getation and
	Prairie Redox (A16) (N		Umbric Surfa	ace (F13)	(LRR P, T	', U)	wetland	d hydrology must be	e present,
	Mucky Mineral (S1) (L	.RR O, S)	Delta Ochric				unless	disturbed or proble	matic.
	Gleyed Matrix (S4)		Reduced Ve						
-	Redox (S5)		Piedmont Flo						
	d Matrix (S6)		Anomalous E	Bright Loa	my Soils (F20) (MLR	A 149A, 153C, 15	33D)	
	urface (S7) (LRR P, S	, T, U)					1		
Restrictive	Layer (if observed):								
Type:			_						
Depth (ir	nches):		_				Hydric Soil Pre	esent? Yes	No
Remarks:			-						



Photo 1 Upland data point wcmf011_u facing south



Photo 2 Upland data point wcmf011_u facing east

Project/Site: Atlantic Coast Pipeline		City/C	county: Cumberland Co	unty	Sampling Date: 4/18/2016			
Applicant/Owner: Dominion								
Investigator(s): SH, SA Section, Township, Range: No PLSS in this area								
Landform (hillslope, terrace, etc.): Flat								
Subregion (LRR or MLRA): P								
Soil Map Unit Name: Byars loam								
Are climatic / hydrologic conditions on the								
Are Vegetation, Soil, or H	ydrology	significantly distur	bed? Are "Norma	al Circumstances"	present? Yes No			
Are Vegetation, Soil, or H	ydrology	naturally problema	atic? (If needed,	explain any answe	ers in Remarks.)			
SUMMARY OF FINDINGS - Att	ach site ma	ap showing sam	npling point locati	ons, transects	s, important features, etc.			
Hydrophytic Vegetation Present?	Yes 🗸	No						
Hydric Soil Present?		No	Is the Sampled Area	4				
Wetland Hydrology Present?		No	within a Wetland?	Yes	No			
Remarks:								
NC WAM - Pine Flat area has saturation	at 6"							
LIVEROLOGY								
HYDROLOGY				Casandan Jadia	otomo (mainimo umo of humo mo outimo di)			
Wetland Hydrology Indicators:	anninadı abaalı	all that apply)		Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)				
Primary Indicators (minimum of one is re	-							
Surface Water (A1)		atic Fauna (B13)	D 11/	Sparsely ve Drainage Pa	getated Concave Surface (B8)			
High Water Table (A2) ✓ Saturation (A3)		Deposits (B15) (LRF rogen Sulfide Odor (C		Moss Trim L				
Water Marks (B1)		-	long Living Roots (C3)					
Sediment Deposits (B2)		ence of Reduced Iro		C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)				
Octiment Deposits (B2) Drift Deposits (B3)		ent Iron Reduction in						
Algal Mat or Crust (B4)		Muck Surface (C7)	111100 00110 (00)	Geomorphic Position (D2)				
Iron Deposits (B5)		er (Explain in Remark	(s)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imager		(=/\pi\a	,	FAC-Neutral Test (D5)				
Water-Stained Leaves (B9)	, (= :)			Sphagnum moss (D8) (LRR T, U)				
Field Observations:								
	No	Depth (inches):						
Water Table Present? Yes	No 🗸	Depth (inches):						
Saturation Present? Yes	No	Depth (inches): 6	Wetland	Hydrology Presei	nt? Yes ✔ No			
(includes capillary fringe)				7				
Describe Recorded Data (stream gauge	, monitoring we	eii, aeriai pnotos, pre	vious inspections), if av	allable:				
Remarks:								
Remarks.								

0	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)		Species?	Status	Number of Dominant Species
1. Pinus taeda	50	Yes	FAC	That Are OBL, FACW, or FAC:6 (A)
2. Acer rubrum	25	Yes	FAC	Total Number of Dominant
3. Quercus nigra	10	No	FAC	Species Across All Strata: 6 (B)
4				
5.				Percent of Dominant Species That Are ORL FACW or FAC: 100 (A/R)
				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8	85			OBL species
42.5		= Total Cov	17	FACW species 30 x 2 = 60
50% of total cover: 42.5	20% of	total cover:		160 400
Sapling/Shrub Stratum (Plot size: 0)				FACUlarecies 5 x 3 = 480 20
1. Liquidambar styraciflua	30	Yes	FAC	FACU species x 4 =
2. Quercus nigra	20	Yes	FAC	UPL species $\frac{0}{195}$ $x = \frac{0}{560}$
3. Acer rubrum	20	Yes	FAC	Column Totals: (A) (B)
4. Persea borbonia	10	No	FACW	Prevalence Index = R/A = 2.87
				Trevalence mack Birt
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				✓ 2 - Dominance Test is >50%
8				✓ 3 - Prevalence Index is ≤3.0 ¹
	80	= Total Cov	er	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 40	20% of	total cover:	16	
Herb Stratum (Plot size:)				¹ Indicators of hydric soil and wetland hydrology must
1 Arundinaria gigantea	15	Yes	FACW	be present, unless disturbed or problematic.
2. Persea borbonia	5	No	FACW	Definitions of Four Vegetation Strata:
3. Athyrium asplenioides	5	No	FAC	Deminions of Four Vegetation Strata.
4 Pteridium aquilinum		No	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
			1 700	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				
11.				Woody vine – All woody vines greater than 3.28 ft in height.
				neight.
12	30			
15		= Total Cov	_	
50% of total cover: 15	20% of	total cover:		
Woody Vine Stratum (Plot size:)				
1				
2				
3				
4.				
5				
J		= Total Cov		Hydrophytic Vegetation
500/ (1.1.)				Present? Yes No
50% of total cover: 0		total cover:		
Remarks: (If observed, list morphological adaptations below	w).			

SOIL Sampling Point: wcmf009f_w

Profile Des	cription: (Describe	to the depth	needed to docu	ment the i	indicator	or confirm	the absence of	of indicators.)
Depth	Matrix			x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	2.5Y 2.5/1	100					SCL	
4-16	2.5Y 3/1	95 5	YR 3/4	5	С	PL	LS	
								
	-	· ——— —						
		· 						
1 _{T. max} C=C		leties DM-D	advesad Matrix M	C-Maaka		-!	21 4:	DI - Dana Lining M-Matrix
	oncentration, D=Dep Indicators: (Applic					ains.		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :
		able to all Lr			•			•
Histoso			Polyvalue Be					uck (A9) (LRR O)
	pipedon (A2)		Thin Dark Su					uck (A10) (LRR S)
	istic (A3)		Loamy Muck	-		R O)		ed Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleye		(F2)			ont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma					lous Bright Loamy Soils (F20)
_	Bodies (A6) (LRR P		Redox Dark					A 153B)
	ucky Mineral (A7) (LF		Depleted Da					rent Material (TF2)
	resence (A8) (LRR U)	Redox Depre		8)		-	nallow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (L				Other (I	Explain in Remarks)
-	d Below Dark Surface	e (A11)	Depleted Oc				- -> 3, ,,	
	ark Surface (A12)		Iron-Mangan					ators of hydrophytic vegetation and
	Prairie Redox (A16) (N		Umbric Surfa			, U)		and hydrology must be present,
-	Mucky Mineral (S1) (L	.RR (), (S)	Delta Ochric			OA 450D)	unie	ess disturbed or problematic.
	Gleyed Matrix (S4)		Reduced Ve					
Sandy I			Piedmont Flo					4500)
	d Matrix (S6)	-	Anomalous I	Bright Loai	my Solis (F20) (WLR	A 149A, 153C,	153D)
	ırface (S7) (LRR P, S						T	
	Layer (if observed):							
Type:			_					
Depth (in	iches):		<u> </u>				Hydric Soil I	Present? Yes No
Remarks:							•	



Photo 1
Wetland data point wcmf009f_w facing south



Photo 2
Wetland data point wcmf009f_w facing east

Project/Site: Atlantic Coast Pipeline		City/C	county: Cumberland Co	unty	Sampling Date: 4/18/2016			
Applicant/Owner: Dominion	State: NC Sampling Point: wcmf009e_v							
Investigator(s): SH, SA Section, Township, Range: No PLSS in this area								
Landform (hillslope, terrace, etc.): Flat								
Subregion (LRR or MLRA): P								
		_ Lai	Long	NA// 1 '6	None			
Soil Map Unit Name: Byars loam			.,					
Are climatic / hydrologic conditions on the								
Are Vegetation, Soil, or H	ydrology	significantly distur	bed? Are "Norma	al Circumstances"	present? Yes No			
Are Vegetation, Soil, or H	ydrology	naturally problema	atic? (If needed,	explain any answe	ers in Remarks.)			
SUMMARY OF FINDINGS - Att	tach site ma	ap showing sam	npling point locati	ons, transects	s, important features, etc.			
Hydrophytic Vegetation Present?	Yes 🗸	No						
Hydric Soil Present?		No	Is the Sampled Area		/ N			
Wetland Hydrology Present?		No	within a Wetland?	Yes	No			
Remarks:								
Disturbed utility ROW								
HYDROLOGY								
Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is r	-			Surface Soil				
Surface Water (A1)		atic Fauna (B13)		Sparsely Vegetated Concave Surface (B8)Drainage Patterns (B10)				
High Water Table (A2)		Deposits (B15) (LRF rogen Sulfide Odor (0						
Saturation (A3)	Moss Trim L							
Water Marks (B1) Sediment Deposits (B2)		ence of Reduced Iro	long Living Roots (C3)					
Orift Deposits (B3)		ent Iron Reduction in		Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)		Muck Surface (C7)	Tilled Collo (Co)		=			
Iron Deposits (B5)		er (Explain in Remark	(S)	<pre> Geomorphic Position (D2) Shallow Aquitard (D3)</pre>				
Inundation Visible on Aerial Imager		` '	,	FAC-Neutral Test (D5)				
Water-Stained Leaves (B9)	• , ,			Sphagnum r	moss (D8) (LRR T, U)			
Field Observations:								
		Depth (inches):						
Water Table Present? Yes	No	Depth (inches): 10						
	No	Depth (inches): 0	Wetland	Hydrology Presei	nt? Yes <u>'</u> No			
(includes capillary fringe) Describe Recorded Data (stream gauge	e, monitoring we	ell, aerial photos, pre	vious inspections), if av	ailable:				
, , ,			, ,,					
Remarks:								

0		Dominant		Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size:0) 1		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:4 (A)		
2				Total Number of Dominant Species Across All Strata: 4 (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		- Total Cav		OBL species75 x 1 =75		
50% of total cover:		= Total Cov total cover:	Λ	FACW species10 x 2 =20		
Sapling/Shrub Stratum (Plot size: 0)	20% 01	total cover.		FAC species25 x 3 =75		
1. Liquidambar styraciflua	10	Yes	FAC	FACU species0 x 4 =0		
2 Pinus taeda	10	Yes	FAC	UPL species0 x 5 =0		
3				Column Totals:110(A)170(B)		
4				Prevalence Index = B/A =1.54		
5				Hydrophytic Vegetation Indicators:		
6				1 - Rapid Test for Hydrophytic Vegetation		
7				✓ 2 - Dominance Test is >50%		
8	20 .			3 - Prevalence Index is ≤3.0 ¹		
50% of total cover: 10	= Total Cover		4	Problematic Hydrophytic Vegetation ¹ (Explain)		
50 % of total cover.	20% of	total cover:				
Herb Stratum (Plot size:) 1. Carex lupulina	40	Yes	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
2. Scirpus cyperinus	25	Yes	OBL	Definitions of Four Vegetation Strata:		
3. Juncus effusus	10	No	OBL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or		
4. Arundinaria gigantea	10	No	FACW	more in diameter at breast height (DBH), regardless of		
5. Andropogon virginicus	5	No	FAC	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						
	90 :	= Total Cov	er			
50% of total cover: 45	20% of	total cover:	18			
Woody Vine Stratum (Plot size:)						
1						
2						
3						
4						
5				Hydrophytic		
	:	= Total Cov	er	Vegetation		
50% of total cover:0	20% of	total cover:	0	Present? Yes No No		
Remarks: (If observed, list morphological adaptations below	w).					

SOIL Sampling Point: wcmf009e_w

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix			x Feature	s					
(inches)	Color (moist)	<u></u> %	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks		
0-3	10YR 2/1	100					SCL			
3-16	2.5Y 2.5/1	90 2.	5Y 5/1	10	D	M	SICL			
					·					
				-						
	-									
1 _T C-C	tanaantustian D-Dan		aluand Matrix NA	C-Maskas			21	DI - Dave Lining M-Matrix		
	ioncentration, D=Dep Indicators: (Application)					ains.		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :		
•		able to all LR			•			•		
Histoso		-	Polyvalue Be					uck (A9) (LRR O)		
	pipedon (A2)	-	Thin Dark Su					uck (A10) (LRR S)		
	istic (A3)		Loamy Muck	-		₹ 0)		ed Vertic (F18) (outside MLRA 150A,B)		
	en Sulfide (A4)	•	Loamy Gleye		(F2)			nt Floodplain Soils (F19) (LRR P, S, T)		
	d Layers (A5)		Depleted Ma					ous Bright Loamy Soils (F20)		
_	Bodies (A6) (LRR P		Redox Dark					A 153B)		
	ucky Mineral (A7) (LR		Depleted Da		. ,		Red Parent Material (TF2)			
	resence (A8) (LRR U) .	Redox Depre		8)		Very Shallow Dark Surface (TF12)			
	uck (A9) (LRR P, T)		Marl (F10) (L				Other (I	Explain in Remarks)		
	d Below Dark Surface	e (A11)	Depleted Oc				- -> 3, ,,			
	ark Surface (A12)	U D A 450A)	Iron-Mangan				•	ators of hydrophytic vegetation and		
	Prairie Redox (A16) (N		Umbric Surfa			, U)		and hydrology must be present,		
-	Mucky Mineral (S1) (L	.RR 0, 5)	Delta Ochric			OA 450D\	unie	ss disturbed or problematic.		
1	Gleyed Matrix (S4)		Reduced Ver				••			
	Redox (S5)	•	Piedmont Flo					4500)		
	d Matrix (S6)		Anomalous E	Bright Loai	my Solis (F20) (NILR)	A 149A, 153C,	153D)		
	urface (S7) (LRR P, S	, 1, U)								
	Layer (if observed):									
Type:			_							
Depth (in	iches):		<u>-</u> .				Hydric Soil I	Present? Yes No No		
Remarks:							•			
1										



Photo 1
Wetland data point wcmf009e_w facing northwest



Photo 2
Wetland data point wcmf009e_w facing northeast

Project/Site: Atlantic Coast Pipeline		City/(County: Cumberland Co	unty	Sampling Date: 4/18/2016		
Applicant/Owner: Dominion			,	State: NC	Sampling Point: wcmf009_u		
Investigator(s): SH, SA		Secti	ion, Township, Range: N				
Landform (hillslope, terrace, etc.): Fla					Slope (%): 2		
Subregion (LRR or MLRA): P							
Soil Map Unit Name: Rains sandy loa							
Are climatic / hydrologic conditions on							
Are Vegetation, Soil, o	r Hydrologysi	gnificantly distu	rbed? Are "Norma	al Circumstances"	present? Yes No		
Are Vegetation, Soil, o	r Hydrologyn	aturally problem	natic? (If needed,	explain any answe	ers in Remarks.)		
SUMMARY OF FINDINGS - A	Attach site map s	showing sar	mpling point location	ons, transects	s, important features, etc.		
Lludranhutia Vagatatian Dragant?	Voc. No.						
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes No		Is the Sampled Area				
Wetland Hydrology Present?	Yes No	, <u> </u>	within a Wetland?	Yes	No		
Remarks:		<u> </u>					
Disturbed soils utility ROW along acc	ess road						
HYDROLOGY							
Wetland Hydrology Indicators:				Secondary Indica	ators (minimum of two required)		
Primary Indicators (minimum of one	is required: check all th	hat annly)		Surface Soil			
Surface Water (A1)	Aquatic I				getated Concave Surface (B8)		
High Water Table (A2)		oosits (B15) (LR	R III	Drainage Patterns (B10)			
Saturation (A3)		n Sulfide Odor (Moss Trim Lines (B16)			
Water Marks (B1)			along Living Roots (C3)	· · · · ·			
Sediment Deposits (B2)		e of Reduced Iro					
Drift Deposits (B3)			n Tilled Soils (C6)	Crayfish Burrows (C8) C6) Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)		ck Surface (C7)			Position (D2)		
Iron Deposits (B5)		xplain in Remar		Shallow Aqu			
Inundation Visible on Aerial Imag		Apiani in i tomai		FAC-Neutra			
Water-Stained Leaves (B9)	go.y (= .)				moss (D8) (LRR T, U)		
Field Observations:					, , ,		
	No <u> </u>	oth (inches):					
	No Dep						
	No Dep			Hydrology Prese	nt? Yes No		
(includes capillary fringe)							
Describe Recorded Data (stream gar	uge, monitoring well, a	erial photos, pre	evious inspections), if av	ailable:			
Demonto							
Remarks:							

0	Absolute	Dominant	Indicator	Dominance Test worksheet:
		Species?	Status	Number of Dominant Species
1			-	That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant Species Across All Strata: 2 (B)
3				Species Across All Strata:2 (B)
4				Percent of Dominant Species That Are ORL FACW or FAC: 50 (A/R)
•				That Are OBL, FACW, or FAC:(A/B)
6 7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
<u> </u>	0 .	= Total Cov	er	OBL species x 1 =0
50% of total cover:0				FACW species5 x 2 =10
Sapling/Shrub Stratum (Plot size: 0)	2070 01	total cover		FAC species 20 x 3 = 60
1				FACU species55 x 4 =220
2.				UPL species x 5 = 75
3.				Column Totals:95
4				Prevalence Index = R/Δ = 3.84
5				1 Tevalence mack - B/A -
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
<u> </u>	0 .	= Total Cov	er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover:0		total cover:	^	Problematic Hydrophytic Vegetation ¹ (Explain)
Herb Stratum (Plot size:)	2070 01	total cover		1
1. Lonicera japonica	50	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Solidago rugosa	20	Yes	FAC	Definitions of Four Vegetation Strata:
3. Rubus allegheniensis	15	No	UPL	_
4. Arundinaria gigantea	5	No	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5. Phytolacca americana	5	No	FACU	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 2.29 ft in
11.				Woody vine – All woody vines greater than 3.28 ft in height.
12.				
	95 :	= Total Cov	er	
50% of total cover: 47.5	20% of	total cover:	19	
Woody Vine Stratum (Plot size:)				
1				
2				
3				
4				
5				Hydrophytic
	0	= Total Cov	er	Vegetation
50% of total cover:0	20% of	total cover:	. 0	Present? Yes No
Remarks: (If observed, list morphological adaptations below	N).			
	•			

SOIL Sampling Point: wcmf009_u

Depth	cription: (Describe Matrix	•		x Feature				•	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	3
0-8	10YR 2/1	97	7.5YR 3/4	3	С	PL	SL		
8-14	2.5Y 3/1	30	7.5YR 3/4	10	С	PL	SL		
-	2.5Y 4/4	60		- ·			SL		
		· —— -							
	· -								
	-								
-		· -							
1	A Description D. Description	Indiana DM E	Sandara and B.A. Andre B.A.	0 Maralara		-1	21 1	Dana Linina M Ma	fut.
	Concentration, D=Dep Indicators: (Application)					ains.		=Pore Lining, M=Ma Problematic Hydri	
-		able to all L				DDCTU		-	c Jons .
Histoso	pipedon (A2)		Polyvalue Be Thin Dark Su					(A10) (LRR S)	
	listic (A3)		Loamy Muck					/ertic (F18) (outsid e	MI RA 150A.B)
_	en Sulfide (A4)		Loamy Gleye			. •,		Floodplain Soils (F1	
	d Layers (A5)		Depleted Ma		. –,			s Bright Loamy Soils	
	Bodies (A6) (LRR P	, T, U)	Redox Dark		⁻ 6)		(MLRA 1		` ,
5 cm M	ucky Mineral (A7) (LF	RR P, T, U)	Depleted Da	rk Surface	(F7)		Red Paren	t Material (TF2)	
Muck P	resence (A8) (LRR U)	Redox Depre		8)			ow Dark Surface (Ti	- 12)
·	uck (A9) (LRR P, T)		Marl (F10) (L				Other (Exp	olain in Remarks)	
	ed Below Dark Surface	e (A11)	Depleted Oc						
	ark Surface (A12)	41 DA 450A\	Iron-Mangan					s of hydrophytic veg	
	Prairie Redox (A16) (N Mucky Mineral (S1) (L					, U)		I hydrology must be disturbed or problen	
	Gleyed Matrix (S4)	.KK (), (3)	Delta Ochric Reduced Ve			0A 150R)	unless	disturbed of problem	iauc.
	Redox (S5)		Piedmont Flo				9Δ)		
	d Matrix (S6)						A 149A, 153C, 15	3D)	
	urface (S7) (LRR P, S	s, T, U)	_	9	, (- / (, , , , ,	•	
	Layer (if observed):								
Type:									
Depth (ir	nches):						Hydric Soil Pre	sent? Yes	No 🗸
Remarks:	,							<u> </u>	



Photo 1 Upland data point wcmf009_u facing south



Photo 2
Upland data point wcmf009_u facing southwest

Project/Site: Atlantic Coast Pipeline		City/C	county: Cumberland Co	unty	Sampling Date: 4/18/2016	
Applicant/Owner: Dominion					Sampling Point: wcmf009f_w	
		Section	on, Township, Range: N			
Landform (hillslope, terrace, etc.): Flat						
Subregion (LRR or MLRA): P						
Soil Map Unit Name: Byars loam						
Are climatic / hydrologic conditions on the						
Are Vegetation, Soil, or H	ydrology	significantly distur	bed? Are "Norma	al Circumstances"	present? Yes No	
Are Vegetation, Soil, or H	ydrology	naturally problema	atic? (If needed,	explain any answe	ers in Remarks.)	
SUMMARY OF FINDINGS - Att	ach site ma	ap showing sam	npling point locati	ons, transects	s, important features, etc.	
Hydrophytic Vegetation Present?	Yes 🗸	No				
Hydric Soil Present?		No	Is the Sampled Area	4		
Wetland Hydrology Present?		No	within a Wetland?	Yes	No	
Remarks:						
NC WAM - Pine Flat area has saturation	at 6"					
LIVEROLOGY						
HYDROLOGY				Casandan Jadia	otomo (mainimo umo of humo mo outimo di)	
Wetland Hydrology Indicators:	anninadı abaalı	all that apply)			ators (minimum of two required)	
Primary Indicators (minimum of one is re	-			Surface Soil		
Surface Water (A1)		atic Fauna (B13)	D 11/	Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10)		
High Water Table (A2) ✓ Saturation (A3)		Deposits (B15) (LRF rogen Sulfide Odor (C		Moss Trim L		
Water Marks (B1)		-	long Living Roots (C3)		Water Table (C2)	
Sediment Deposits (B2)		ence of Reduced Iro		Crayfish Bur		
Octiment Deposits (B2) Drift Deposits (B3)		ent Iron Reduction in			isible on Aerial Imagery (C9)	
Algal Mat or Crust (B4)		Muck Surface (C7)	111100 00110 (00)		Position (D2)	
Iron Deposits (B5)		er (Explain in Remark	(s)	Shallow Aqu		
Inundation Visible on Aerial Imager		(=/\pi\a	,	✓ FAC-Neutral		
Water-Stained Leaves (B9)	, (= :)				moss (D8) (LRR T, U)	
Field Observations:						
	No	Depth (inches):				
Water Table Present? Yes	No 🗸	Depth (inches):				
Saturation Present? Yes	No	Depth (inches): 6	Wetland	Hydrology Presei	nt? Yes ✔ No	
(includes capillary fringe)				7		
Describe Recorded Data (stream gauge	, monitoring we	eii, aeriai pnotos, pre	vious inspections), if av	allable:		
Remarks:						
Remarks.						

0	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)		Species?	Status	Number of Dominant Species
1. Pinus taeda	50	Yes	FAC	That Are OBL, FACW, or FAC:6 (A)
2. Acer rubrum	25	Yes	FAC	Total Number of Dominant
3. Quercus nigra	10	No	FAC	Species Across All Strata: 6 (B)
4				
5.				Percent of Dominant Species That Are ORL FACW or FAC: 100 (A/R)
				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8	85			OBL species
42.5		= Total Cov	17	FACW species 30 x 2 = 60
50% of total cover: 42.5	20% of	total cover:		160 400
Sapling/Shrub Stratum (Plot size: 0)				FACUlarecies 5 x 3 = 480 20
1. Liquidambar styraciflua	30	Yes	FAC	FACU species x 4 =
2. Quercus nigra	20	Yes	FAC	UPL species $\frac{0}{195}$ $x = \frac{0}{560}$
3. Acer rubrum	20	Yes	FAC	Column Totals: (A) (B)
4. Persea borbonia	10	No	FACW	Prevalence Index = R/A = 2.87
				Trevalence mack Birt
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				✓ 2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.0 ¹
	80	= Total Cov	er	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 40	20% of	total cover:	16	
Herb Stratum (Plot size:)				¹ Indicators of hydric soil and wetland hydrology must
1 Arundinaria gigantea	15	Yes	FACW	be present, unless disturbed or problematic.
2. Persea borbonia	5	No	FACW	Definitions of Four Vegetation Strata:
3. Athyrium asplenioides	5	No	FAC	Deminions of Four Vegetation Strata.
4 Pteridium aquilinum		No	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
			1 700	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				
11.				Woody vine – All woody vines greater than 3.28 ft in height.
				neight.
12	30			
15		= Total Cov	_	
50% of total cover: 15	20% of	total cover:		
Woody Vine Stratum (Plot size:)				
1				
2				
3				
4.				
5				
J		= Total Cov		Hydrophytic Vegetation
500/ (1.1.)				Present? Yes No
50% of total cover: 0		total cover:		
Remarks: (If observed, list morphological adaptations below	w).			

SOIL Sampling Point: wcmf009f_w

Profile Des	cription: (Describe	to the depth	needed to docu	ment the i	indicator	or confirm	the absence of	of indicators.)
Depth	Matrix			x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	2.5Y 2.5/1	100					SCL	
4-16	2.5Y 3/1	95 5	YR 3/4	5	С	PL	LS	
								
	-	· ——— —						
		· 						
1 _{T. max} C=C		leties DM-D	advesad Matrix M	C-Maaka		-!	21 4:	DI - Dana Lining M-Matrix
	oncentration, D=Dep Indicators: (Applic					ains.		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :
		able to all Lr			•			•
Histoso			Polyvalue Be					uck (A9) (LRR O)
	pipedon (A2)		Thin Dark Su					uck (A10) (LRR S)
	istic (A3)		Loamy Muck	-		R O)		ed Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleye		(F2)			ont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma					lous Bright Loamy Soils (F20)
_	Bodies (A6) (LRR P		Redox Dark					A 153B)
	ucky Mineral (A7) (LF		Depleted Da					rent Material (TF2)
	resence (A8) (LRR U)	Redox Depre		8)		-	nallow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (L				Other (I	Explain in Remarks)
-	d Below Dark Surface	e (A11)	Depleted Oc				- -> 3, ,,	
	ark Surface (A12)		Iron-Mangan					ators of hydrophytic vegetation and
	Prairie Redox (A16) (N		Umbric Surfa			, U)		and hydrology must be present,
-	Mucky Mineral (S1) (L	.RR (), (S)	Delta Ochric			OA 450D)	unie	ess disturbed or problematic.
	Gleyed Matrix (S4)		Reduced Ve					
Sandy I			Piedmont Flo					4500)
	d Matrix (S6)	-	Anomalous I	Bright Loai	my Solis (F20) (WLR)	A 149A, 153C,	153D)
	ırface (S7) (LRR P, S						T	
	Layer (if observed):							
Type:			_					
Depth (in	iches):		<u> </u>				Hydric Soil I	Present? Yes No
Remarks:							•	



Photo 1
Wetland data point wcmf009f_w facing south



Photo 2
Wetland data point wcmf009f_w facing east

Project/Site: Atlantic Coast Pipeline		City/C	county: Cumberland Co	unty	Sampling Date: 4/18/2016
Applicant/Owner: Dominion					Sampling Point: wcmf009e_w
• • • • • • • • • • • • • • • • • • • •		Section	on, Township, Range: _		
Landform (hillslope, terrace, etc.): Flat					
Subregion (LRR or MLRA): P					
		_ Lai	Long	NA// 1 '6	None
Soil Map Unit Name: Byars loam			.,		
Are climatic / hydrologic conditions on the					
Are Vegetation, Soil, or H	ydrology	significantly distur	bed? Are "Norma	al Circumstances"	present? Yes No
Are Vegetation, Soil, or H	ydrology	naturally problema	atic? (If needed,	explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS - Att	tach site ma	ap showing sam	npling point locati	ons, transects	s, important features, etc.
Hydrophytic Vegetation Present?	Yes 🗸	No			
Hydric Soil Present?		No	Is the Sampled Area		/ N
Wetland Hydrology Present?		No	within a Wetland?	Yes	No
Remarks:					
Disturbed utility ROW					
HYDROLOGY					
Wetland Hydrology Indicators:				-	ators (minimum of two required)
Primary Indicators (minimum of one is r	-			Surface Soil	
Surface Water (A1)		atic Fauna (B13)			getated Concave Surface (B8)
High Water Table (A2)		Deposits (B15) (LRF		Drainage Pa	
Saturation (A3)	-	ogen Sulfide Odor (0		Moss Trim L	
Water Marks (B1) Sediment Deposits (B2)		ence of Reduced Iro	long Living Roots (C3)	Crayfish Bur	Water Table (C2)
Orift Deposits (B3)		ent Iron Reduction in			risible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Muck Surface (C7)	Tilled Collo (Co)		Position (D2)
Iron Deposits (B5)		er (Explain in Remark	(S)	Shallow Aqu	
Inundation Visible on Aerial Imager		` '	,	FAC-Neutral	
Water-Stained Leaves (B9)	• , ,			Sphagnum r	moss (D8) (LRR T, U)
Field Observations:					
		Depth (inches):			
Water Table Present? Yes	No	Depth (inches): 10			
	No	Depth (inches): 0	Wetland	Hydrology Presei	nt? Yes <u>'</u> No
(includes capillary fringe) Describe Recorded Data (stream gauge	e, monitoring we	ell, aerial photos, pre	vious inspections), if av	ailable:	
, , ,			, ,,		
Remarks:					

0		Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:0) 1		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:4 (A)
2				Total Number of Dominant Species Across All Strata: 4 (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	 0	Total Cay		OBL species75 x 1 =75
50% of total cover:		= Total Cov total cover:	0	FACW species10 x 2 =20
Sapling/Shrub Stratum (Plot size: 0)	20% 01	total cover.		FAC species25 x 3 =75
1. Liquidambar styraciflua	10	Yes	FAC	FACU species0 x 4 =0
2 Pinus taeda	10	Yes	FAC	UPL species0 x 5 =0
3				Column Totals:110(A)170(B)
4				Prevalence Index = B/A =1.54
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				✓ 2 - Dominance Test is >50%
8	20 .			3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 10		= Total Cov	4	Problematic Hydrophytic Vegetation ¹ (Explain)
50 % of total cover.	20% of	total cover:		
Herb Stratum (Plot size:) 1. Carex lupulina	40	Yes	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Scirpus cyperinus	25	Yes	OBL	Definitions of Four Vegetation Strata:
3. Juncus effusus	10	No	OBL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Arundinaria gigantea	10	No	FACW	more in diameter at breast height (DBH), regardless of
5. Andropogon virginicus	5	No	FAC	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				
	90 :	= Total Cov		
50% of total cover: 45	20% of	total cover:	18	
Woody Vine Stratum (Plot size:)				
1				
2				
3				
4				
5				Hydrophytic
	:	= Total Cov	_	Vegetation Present? Yes No
50% of total cover:0	20% of	total cover:	0	rieseitt: ies No
Remarks: (If observed, list morphological adaptations below	w).			

SOIL Sampling Point: wcmf009e_w

Profile Des	cription: (Describe	to the depth i	needed to docur	nent the i	indicator	or confirm	the absence of	of indicators.)
Depth	Matrix			x Feature	s			
(inches)	Color (moist)	<u></u> %	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 2/1	100					SCL	
3-16	2.5Y 2.5/1	90 2.	5Y 5/1	10	D	M	SICL	
					·			
				-				
	-							
1 _T C-C	tanaantustian D-Dan		aluand Matrix NA	C-Maska			21	DI - Dave Lining M-Matrix
	ioncentration, D=Dep Indicators: (Application)					ains.		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :
•		able to all LR			•			•
Histoso		-	Polyvalue Be					uck (A9) (LRR O)
	pipedon (A2)	-	Thin Dark Su					uck (A10) (LRR S)
	istic (A3)		Loamy Muck	-		₹ 0)		ed Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)	•	Loamy Gleye		(F2)			nt Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma					ous Bright Loamy Soils (F20)
_	Bodies (A6) (LRR P		Redox Dark					A 153B)
	ucky Mineral (A7) (LR		Depleted Da		. ,			rent Material (TF2)
	resence (A8) (LRR U) .	Redox Depre		8)		-	nallow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (L				Other (I	Explain in Remarks)
	d Below Dark Surface	e (A11)	Depleted Oc				- -> 3, ,,	
	ark Surface (A12)	U D A 450A)	Iron-Mangan					ators of hydrophytic vegetation and
	Prairie Redox (A16) (N		Umbric Surfa			, U)		and hydrology must be present,
-	Mucky Mineral (S1) (L	.RR 0, 5)	Delta Ochric			OA 450D\	unie	ss disturbed or problematic.
1	Gleyed Matrix (S4)		Reduced Ver				••	
	Redox (S5)	•	Piedmont Flo					4500)
	d Matrix (S6)		Anomalous E	Bright Loai	my Solis (F20) (NILR)	A 149A, 153C,	153D)
	urface (S7) (LRR P, S	, 1, U)						
	Layer (if observed):							
Type:			_					
Depth (in	iches):		<u>-</u> .				Hydric Soil I	Present? Yes No No
Remarks:							•	
1								



Photo 1
Wetland data point wcmf009e_w facing northwest



Photo 2
Wetland data point wcmf009e_w facing northeast

Project/Site: Atlantic Coast Pipeline		City/(County: Cumberland Co	unty	Sampling Date: 4/18/2016		
Applicant/Owner: Dominion			,	State: NC	Sampling Point: wcmf009_u		
Investigator(s): SH, SA		Secti	ion, Township, Range: N				
Landform (hillslope, terrace, etc.): Fla					Slope (%): 2		
Subregion (LRR or MLRA): P							
Soil Map Unit Name: Rains sandy loa							
Are climatic / hydrologic conditions on							
Are Vegetation, Soil, o	r Hydrologysi	gnificantly distu	rbed? Are "Norma	al Circumstances"	present? Yes No		
Are Vegetation, Soil, o	r Hydrologyn	aturally problem	natic? (If needed,	explain any answe	ers in Remarks.)		
SUMMARY OF FINDINGS - A	Attach site map s	showing sar	mpling point location	ons, transects	s, important features, etc.		
Lludranhutia Vagatatian Dragant?	Voc. No.						
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes No		Is the Sampled Area				
Wetland Hydrology Present?	Yes No	, <u> </u>	within a Wetland?	Yes	No		
Remarks:		<u> </u>					
Disturbed soils utility ROW along acc	ess road						
HYDROLOGY							
Wetland Hydrology Indicators:				Secondary Indica	ators (minimum of two required)		
Primary Indicators (minimum of one	is required: check all th	hat annly)		Surface Soil			
Surface Water (A1)	Aquatic I				getated Concave Surface (B8)		
High Water Table (A2)		oosits (B15) (LR	R III	Drainage Patterns (B10)			
Saturation (A3)		n Sulfide Odor (Moss Trim Lines (B16)			
Water Marks (B1)			along Living Roots (C3)	· · · · ·			
Sediment Deposits (B2)		e of Reduced Iro					
Drift Deposits (B3)			n Tilled Soils (C6)	Crayfish Burrows (C8) C6) Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)		ck Surface (C7)			Position (D2)		
Iron Deposits (B5)		xplain in Remar		Shallow Aqu			
Inundation Visible on Aerial Imag		Apiani in i tomai		FAC-Neutra			
Water-Stained Leaves (B9)	go.y (= .)				moss (D8) (LRR T, U)		
Field Observations:					, , ,		
	No <u> </u>	oth (inches):					
	No Dep						
	No Dep			Hydrology Prese	nt? Yes No		
(includes capillary fringe)							
Describe Recorded Data (stream gar	uge, monitoring well, a	erial photos, pre	evious inspections), if av	ailable:			
Demonto							
Remarks:							

0	Absolute	Dominant	Indicator	Dominance Test worksheet:
		Species?	Status	Number of Dominant Species
1			-	That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant Species Across All Strata: 2 (B)
3				Species Across All Strata:2 (B)
4				Percent of Dominant Species That Are ORL FACW or FAC: 50 (A/R)
•				That Are OBL, FACW, or FAC:(A/B)
6 7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
<u> </u>	0 .	= Total Cov	er	OBL species x 1 =0
50% of total cover:0				FACW species5 x 2 =10
Sapling/Shrub Stratum (Plot size: 0)	2070 01	total cover		FAC species 20 x 3 = 60
1				FACU species55 x 4 =220
2.				UPL species x 5 = 75
3.				Column Totals:95
4				Prevalence Index = R/Δ = 3.84
5				1 Tevalence mack - B/A -
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
<u> </u>	0 .	= Total Cov	er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover:0		total cover:	^	Problematic Hydrophytic Vegetation ¹ (Explain)
Herb Stratum (Plot size:)	2070 01	total cover		1
1. Lonicera japonica	50	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Solidago rugosa	20	Yes	FAC	Definitions of Four Vegetation Strata:
3. Rubus allegheniensis	15	No	UPL	_
4. Arundinaria gigantea	5	No	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5. Phytolacca americana	5	No	FACU	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 2.29 ft in
11.				Woody vine – All woody vines greater than 3.28 ft in height.
12.				
	95 :	= Total Cov	er	
50% of total cover: 47.5	20% of	total cover:	19	
Woody Vine Stratum (Plot size:)				
1				
2				
3				
4				
5				Hydrophytic
	0	= Total Cov	er	Vegetation
50% of total cover:0	20% of	total cover:	. 0	Present? Yes No
Remarks: (If observed, list morphological adaptations below	N).			
	•			

SOIL Sampling Point: wcmf009_u

Depth	cription: (Describe Matrix	•		x Feature				•	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	3
0-8	10YR 2/1	97	7.5YR 3/4	3	С	PL	SL		
8-14	2.5Y 3/1	30	7.5YR 3/4	10	С	PL	SL		
-	2.5Y 4/4	60		- ·			SL		
		· —— -							
	· -								
	-								
-		· -							
1	A Description D. Description	Indiana DM E	Santana and B.AAndre B.A.	0 Maalaa		-1	21 1	Dana Linina M Ma	fut.
	Concentration, D=Dep Indicators: (Application)					ains.		=Pore Lining, M=Ma Problematic Hydri	
-		able to all L				DDCTU		-	c Jons .
Histoso	pipedon (A2)		Polyvalue Be Thin Dark Su					(A10) (LRR S)	
	listic (A3)		Loamy Muck					/ertic (F18) (outsid e	MI RA 150A.B)
_	en Sulfide (A4)		Loamy Gleye			. •,		Floodplain Soils (F1	
	d Layers (A5)		Depleted Ma		. –,			s Bright Loamy Soils	
	Bodies (A6) (LRR P	, T, U)	Redox Dark		⁻ 6)		(MLRA 1		` ,
5 cm M	ucky Mineral (A7) (LF	RR P, T, U)	Depleted Da	rk Surface	(F7)		Red Paren	t Material (TF2)	
Muck P	resence (A8) (LRR U)	Redox Depre		8)			ow Dark Surface (Ti	- 12)
·	uck (A9) (LRR P, T)		Marl (F10) (L				Other (Exp	olain in Remarks)	
	ed Below Dark Surface	e (A11)	Depleted Oc						
	ark Surface (A12)	41 DA 450A\	Iron-Mangan					s of hydrophytic veg	
	Prairie Redox (A16) (N Mucky Mineral (S1) (L					, U)		I hydrology must be disturbed or problen	
	Gleyed Matrix (S4)	.KK (), (3)	Delta Ochric Reduced Ve			0A 150R)	unless	disturbed of problem	iauc.
	Redox (S5)		Piedmont Flo				9Δ)		
	d Matrix (S6)						A 149A, 153C, 15	3D)	
	urface (S7) (LRR P, S	s, T, U)	_	9	, (- / (, , , , ,	•	
	Layer (if observed):								
Type:									
Depth (ir	nches):						Hydric Soil Pre	sent? Yes	No 🗸
Remarks:	,							<u> </u>	



Photo 1 Upland data point wcmf009_u facing south



Photo 2
Upland data point wcmf009_u facing southwest

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region City/County: Camberland Sampling Date: 5/16/16 Project/Site: ACP Applicant/Owner: Dominion Investigator(s) EST-K, Markham, K, Maren Regerent, Township, Range: NA Landform (hillslope, terrace, etc.): dePlessia Local relief (concave, convex, none): Local relief (concave, convex, none): Local relief (concave, convex, none): Subregion (LRR or MLRA): LRR P Lat: 35.00351 Long: 78.74150 Datum: W6 Soil Map Unit Name: Rains sondy loam, 0-2"1 Slopes 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 Yes / No ____ Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: NCWAM: Hardwood Flot 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) Aquatic Fauna (B13) Surface Water (A1) Drainage Patterns (B10) High Water Table (A2) Marl Deposits (B15) (LRR U) Moss Trim Lines (B16) Hydrogen Sulfide Odor (C1) 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) Geomorphic Position (D2) Thin Muck Surface (C7) Algal Mat or Crust (B4) Shallow Aguitard (D3) Other (Explain in Remarks) Iron Deposits (B5) **EAC-Neutral Test (D5)** Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: No ___ Depth (inches): 2" Surface Water Present? Yes No Depth (inches): SUIFALE Water Table Present? Wetland Hydrology Present? Yes _ Yes _ No _ Depth (inches): Sur Face Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

2.6.3.6	Absolute	Dominan	Indicator	Dominance Test worksheet:
1. ACEY VUDRUM	% Cover 50	Species'	FAC.	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Liquidambor Starociálua	10	N	FAC	T t this at a st Daminort
3. Liriodendan tulipifera	25	Y	FACU	Total Number of Dominant Species Across All Strata: (B)
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 43% (A/B)
6.	1793*1945.ord/1895dfe)c			Prevalence Index worksheet:
7.	10.10.10.10.10.10.10.10.10.10.10.10.10.1	Tarana da P		Total % Cover of: Multiply by:
8				OBL species x 1 =
42		= Total Co		FACW species x 2 =
50% of total cover: 42.	<u>5</u> 20% of	total cove	r: <u> / _</u>	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 3084 X3084)	75	V	TAGUL	FACU species x 4 =
1. Leurothoe oxillaris	35	7	FACW	UPL species x 5 =
2. Magnotia Virginiana	5	N	FACW	Column Totals: (A) (B)
3. Liquidambar Styracifina	10	N	FAC	Coldini Totals (* y (=)
4. Acer rubrum	10	N	FAC	Prevalence Index = B/A =
5. Vaccinium corymbosum	_5_	N	FACW	Hydrophytic Vegetation Indicators:
6. Rosa Palustiis		N	OBL	1 - Rapid Test for Hydrophytic Vegetation
7. Liquistrum sinense	5_	N	FAC	2 - Dominance Test is >50%
B. GIRCLUS NIGVO	10	N	FAC	3 - Prevalence Index is ≤3.0¹
		= Total Co		Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 40.	5 20% of	total cove	1612	
Herb Stratum (Plot size: 30F+ X 30F+)				¹ Indicators of hydric soil and wetland hydrology must
1. Murdannia Kiesak	15	4	OBL	be present, unless disturbed or problematic.
2. Chasmanth am laxum		N	FACW	Definitions of Four Vegetation Strata:
3. Afundinar a gigontea	2	N	FACW	= W to locate and discussions 2 in (7.6 cm) or
4. OSMUNDOSTRAM CIANOMOMEN	n 5	4	FACW	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.	ENDIO PUBLICA	Gentlem victoristante		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.				All bedresses (see woods) plants regardless
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 height.
11.	1 st an appropriate	observation of the		Height.
12.	12	T. 1.10		
11		= Total Co		
50% of total cover:	20% 01	total cove	r: 4.6	
Woody Vine Stratum (Plot size: 3054 X 3054)	2	01	FACU	
1. Parthenocissus quinquesolia	-	- 10	-Ar	
2. Smilax glavica	15	<u>N</u>	FAC	
3. Smilar ruandifolia	15	-4	FAC	
4.		The Sale of the Las		
5	-16	O.C.		Hydrophytic
0 -	19	= Total Co	ver	Vegetation Present? Yes No
50% of total cover: 4.5	20% of	total cove	1: 3.8	Present? Yes No
Remarks: (If observed, list morphological adaptations belo	ow).			responses to the control of the cont
Name of the second of the seco				

SUIL							the absence of	Indicators)
Profile Descrip	otion: (Describe t	to the depth				or confirm i	the absence of	murcators.)
Depth _	Matrix			x Features		12	Tandusa	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type'	_Loc²	Texture _	Remains
0-6	048211	100					2	
		100			170 0 PA T			
A COMPANY OF A STATE O	Application and account of the	-		100	TO STATE OF THE STATE OF			
							Samuel Committee	Manager State Control of the Control
CONTROL OF THE PARTY								
	Maria de la compansión de							
¹ Type: C=Con	centration, D=Dep	letion, RM=R	educed Matrix, MS	S=Masked	Sand Gra	ins.		L=Pore Lining, M=Matrix.
Hydric Soil Inc	dicators: (Applic	able to all LF	RRs, unless other	rwise note	ed.)		Indicators fo	or Problematic Hydric Soils ³ :
☐ Histosol (A	.1)		☐ Polyvalue Be	low Surface	ce (S8) (L	RR S, T, U)	1 cm Mu	ick (A9) (LRR O)
Histic Epip			Thin Dark Su					ick (A10) (LRR S)
Black Histi			Loamy Muck				Reduced	Vertic (F18) (outside MLRA 150A,B)
	Sulfide (A4)		Loamy Gleye				Piedmon	nt Floodplain Soils (F19) (LRR P, S, T)
	ayers (A5)		Depleted Ma					ous Bright Loamy Soils (F20)
Charles and the contract of th	odies (A6) (LRR P	TID	Redox Dark		6)			A 153B)
	y Mineral (A7) (LF		Depleted Da					ent Material (TF2)
	ence (A8) (LRR U		Redox Depre					allow Dark Surface (TF12)
R. Marrier B. Scholler and B. Collection Co. Physical Scholler Sch	(A9) (LRR P, T)		Marl (F10) (L				TO THE RESIDENCE OF THE PARTY O	explain in Remarks)
Cutty-based block by high transfer	Below Dark Surfac	ο (Δ11)	Depleted Oc		(MLRA 1	51)		
TO SHARE THE PARTY OF THE PARTY	Surface (A12)	E (A11)	Iron-Mangan		2.03/03/03/04/04/04/04/04/04/04/04/04/04/04/04/04/		T) ³ Indicat	tors of hydrophytic vegetation and
	rie Redox (A16) (N	MI DA 150A)	(c) A series of the control of th					and hydrology must be present,
			Delta Ochric			, 0,		ss disturbed or problematic.
Comments of the second of the	cky Mineral (S1) (I	LRR 0, 5)	Reduced Ve			0A 150B)	uo	
1002:000000CL_0000000	yed Matrix (S4)						0.43	
Sandy Re			Piedmont Flo					153D)
Stripped N			Anomalous	Bright Loai	ny sons (rzu) (WILK	A 149A, 153C,	1335)
	ice (S7) (LRR P, S							
Restrictive La	yer (if observed)							
Type:								1/
Depth (inch	es):						Hydric Soil F	Present? Yes No
Remarks:	takanya mini muni mponggan kaluan kupat ng kanan tum n	er er er statt bille				atomic Mobile (C		
recinario.		-1		, .	1	met C	To the sell	GUCE!)
Could no	ot retrieve	soil bi	oring past	6 IN	ches 1	WCI, 15	1119 001 01	-201
			u .					



Wetland data point wcmr006f_w facing east.



Wetland data point wcmr006f_w facing south.

Project/Site: ACP City/C	county: Camberland Sampling Date: 5/16/16
Project/Site: 1/C	State: NC Sampling Point: Wcmr 006ex
Applicant/Owner: Dominion	
Investigator(s): ESI-K.Markham, K.murphrey Section	in, Township, Range:
Landform (hillslope, terrace, etc.): Depression Local	relief (concave, convex, none): COA COVE Slope (%) U-2
Subregion (LRR or MLRA): LRR P Lat: 35,60	357 Long:-78-74171 Datum: W65 8
Soil Map Unit Name: Rains Sondy loom, 0-290 Stop	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Is the Sampled Area within a Wetland? Yes No
HYDROLOGÝ	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LRI	있었다면 하다 마음이들이 되어 있는데 되었다면 보고 있다. (************************************
Saturation (A3) Hydrogen Sulfide Odor (6	
Water Marks (B1) — Oxidized Rhizospheres a	[2] [2] [2] [2] [2] [2] [3] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
Sediment Deposits (B2)	(1985) - 1985 -
Drift Deposits (B3)	Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2)
Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Other (Explain in Remark	(1985년 - 1987년 - 1987년 - 1987년 - 1987년 - 1985년 - 1987년 br>- 1987년 - 1987
Iron Deposits (B5) Uother (Explain in Remark Inundation Visible on Aerial Imagery (B7)	EAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? YesNo Depth (inches):	11 (1) (1) (1) (1) (1) (1) (1) (1) (1) (
Water Table Present? Yes No Depth (inches): 20	Weate
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
	and the state of t

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

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 304+ X30f+) 1. NOR Presen+	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. 3.		Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: [60] (A/B)
6.		
7.		Prevalence Index worksheet:
8.		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
50% of total cover:	20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size 3054 X 3054)		FAC species x 3 =
1. None present		FACU species x 4 =
2.		UPL species x 5 =
3.		Column Totals: (A) (B)
4.		Prevalence Index = B/A =
5		Hydrophytic Vegetation Indicators:
6		1 - Rapid Test for Hydrophytic Vegetation
7		2 - Dominance Test is >50%
8.		T
8.	O = Total Cover	3 - Prevalence Index is ≤3.0¹
FOOY of total across	The state of the s	Problematic Hydrophytic Vegetation¹ (Explain)
Herb Stratum (Plot size: 3054 X 3054)	20% of total cover:	
1. Aluncination gigontea	20 Y FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2 TUPLO 10+18011A	25 Y OBL	Definitions of Four Vegetation Strata:
	10 N FAC	
3. Acer rubrum		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Solidago SP.		more in diameter at breast height (DBH), regardless of
5. Junius PERUSUS	5 N OBL	height.
6. Rhynchospora sp	S N FACULORL	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9.		of size, and woody plants less than 3.26 it tail.
10.		Woody vine - All woody vines greater than 3.28 ft in
11.		height.
12.		
	= Total Cover	
50% of total cover: 3/1	5 20% of total cover: 15	
Woody Vine Stratum (Plot size: 305+X305+)		
1. None Present		
2.		
3.		
4.		
5.		Hydrophytic
	O = Total Cover	Vegetation
EOV of total sover	20% of total cover:	Present? Yes No
2012/2014 CONTROL OF CONTROL OF STREET OF STREET ST	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
Remarks: (If observed, list morphological adaptations be	·low).	

Profile Description: (Describe to the depth needed to document the indicator or confirm	the absence of management,
Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type Loc²	Texture Remarks
Theres, Color America	SL
6-14 104R2/1 100	LS
14-16 104R4/1 100	5
	² Location: PL=Pore Lining, M=Matrix.
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
HE 4에 발전하다. [2012년 전에 1985년 1987년 1987년 1987년 1982년	
☐ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR S, T, U ☐ Histic Epipedon (A2) ☐ Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
	Reduced Vertic (F18) (outside MLRA 150A,B)
	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Hydrogen Sulfide (A4) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6)	(MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	Red Parent Material (TF2)
Muck Presence (A8) (LRR U) Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151)	
☐ Thick Dark Surface (A12) ☐ Iron-Manganese Masses (F12) (LRR O, P,	T) Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B)	
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 14	
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLR	(A 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)	
	한 문화학 시청한 중요 하시 하셨다면 회사를 하고 있다면 하지만 하지 않는데 그 사람들이 되었다면 되었다.
Restrictive Layer (if observed):	./
Type:	Hydric Soil Present? Yes No
Type: Depth (inches):	Hydric Soil Present? Yes No
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Wetland data point wcmr006e_w facing south.



Wetland data point wcmr006e_w facing west.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region City/County: CUMBERION & Project/Site: ACP State: N Sampling Point: WCMr 006-4 Applicant/Owner: Dominion Investigator(s): ESI-K. Markham, K. Murpurey Section, Township, Range: NA Local relief (concave, convex, none): CONVEX Slope (%): 2 Landform (hillslope, terrace, etc.): hill 5) upe Subregion (LRR or MLRA): LRR Soil Map Unit Name: Rain S Sondy Warn, 0-2°10 SK NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes _ No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes _____ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? (If needed, explain any answers in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? 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 No within a Wetland? Wetland Hydrology Present? 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) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Moss Trim Lines (B16) Saturation (A3) Hydrogen Sulfide Odor (C1) 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) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Iron Deposits (B5) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: Yes ____ No Depth (inches): Surface Water Present? Depth (inches): _ Water Table Present? Depth (inches): 720 Wetland Hydrology Present? Yes ____ Saturation Present? _ No __ (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

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

720217771017 (1 041 041414)	Termandataka	THE STREET, ST		
Tree Stratum (Plot size: 308+ X 306+)			t Indicator Status	Dominance Test worksheet:
1. ACEY VUOLUM		Contraction of According		Number of Dominant Species
	15	N	FAC	That Are OBL, FACW, or FAC: (A)
2. Quercus nigra	10	7	FAC	Total Number of Dominant
3. Liquidambor Styracistaa	15	N	FAC	Species Across All Strata: (B)
		APPLACES.		Openies / mosso / m on a m
4.				Percent of Dominant Species (1) 90
5.				That Are OBL, FACW, or FAC: (A/B)
6.				
7.				Prevalence Index worksheet:
		-	T TOTAL BOOK	Total % Cover of: Multiply by:
8.	1011			OBL species x 1 =
		= Total Co		CONTROL OF THE PROPERTY OF THE
50% of total cover: _50	20% of	total cove	er: 20	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30F+ X30F+)				FAC species x 3 =
1. ACEV VULOVUM	15	4	EAC	FACU species x 4 =
		- //	FA	UPL species x 5 =
2. Liquidambar Styracique		7	TAC	M. 15 (2) (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
3. NUISSA SUIVOTICA	5	Y	FAC	Column Totals: (A) (B)
4. Vacciniam corumbosam	10	4	FACW	
The transfer are president auteur of the control area from the result of the control area from the control are	Character Seven Rener		Control (water rank)	Prevalence Index = B/A =
5.			metalogical resolution entertal delicities	Hydrophytic Vegetation Indicators:
6.				Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
B.				
	HO	NAME OF TAXABLE PARTY.	ESTRETACE TO STORY	☐ 3 - Prevalence Index is ≤3.01
20	-10	= Total Co	over	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 20	_ 20% of	total cove	er: 0	
Herb Stratum (Plot size: 308+ X 3064)				¹ Indicators of hydric soil and wetland hydrology must
1. Cletura alnifolia	10	Y	FACW	be present, unless disturbed or problematic.
	10	-11		The second of th
2. Quercus rigro	10	7	FAC	Definitions of Four Vegetation Strata:
3. Chasmanthium laxum	5	Y	FACW	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Itex glable	5	Y	FACW	more in diameter at breast height (DBH), regardless of
CONTROL OF THE PROPERTY OF THE		10000		height.
5.			A CONTRACT OF THE PARTY OF	
6.				Sapling/Shrub - Woody plants, excluding vines, less
7.				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.				II - + All bbcour (non woody) plants regardless
				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9.				of size, and woody plants less than 3.20 it tall.
10.			Control of	Woody vine - All woody vines greater than 3.28 ft in
11.				height.
12.	20	100 mg/s/2700 to	and the organization to	
	A read that development and the second and the	= Total Co		
50% of total cover:	20% of	total cove	er:	
Woody Vine Stratum (Plot size: 305+ X 305+)			A THE STATE OF THE	
1 Smilax noturdisolia	10	V	FAC	
	=	1.	CAC	
	CONTRACTOR OF THE PARTY OF THE	-7	FILE.	
2. Vitis rotundisolion		A CONTRACTOR ASSESSMENT	L-AC	
3. Gelsenium sempervirens	5		1 1	를 다면 되었습니다. 이 사람들은 아이들은 아이들은 사람들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이
3. Gelsenium sempervirens	5	3	FACU	
3. Gelseniam sempervirens 4. Parthenocissus quinquefolia	5	3	FACU	
3. Gelsenium sempervirens	55	3	FACU	Hydrophytic
3. Gelseniam sempervirens 4. Parthenocissus quinquefolia	5 25	= Total Co	FACU	Vegetation
3. Gelseniam sempervirens 4. Parthenocissus quinquéfolia 5.	place and the second second second			
3. Gelseniam sempervirens 4. Parthenocissus quinquefolia 5. 50% of total cover: 12.	5 20% of	= Total Co		Vegetation
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3. Gelseniam sempervirens 4. Parthenocissus quinquefolia 5.	5 20% of			Vegetation

Page: Co-Concentration De-Degletion RMs-Produced Matrix, MS-Masked Sand Grains			to the depart			the absence of indicators.)	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	Depth (inches)		0/2		Type Loc2	Texture Remarks	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. C	A			Joint Hilliam /			offed 56
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 2 2 2 2 2 2 2 2 2		- 1					
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 2Location: PL=Pore Lining, M=Matrix, ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils 1; Histosol (A1) Polyvalue Below Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A, B) Reduced Vertic (F18) (outside MLRA 150A, B) Reduced Vertic (F18) (outside MLRA 150A, B) Piedmont Floodplain Soils (F19) (LRR P, S, T) Anomalous Bright Loamy Soils (F20) Muck Presence (A8) (LRR P, T, U) Redox Dark Surface (F6) Redox Captes Soins (F8) Redox C	2-10	104K3/d			THE SHOP OF STREET	The second secon	
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ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)							
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Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	Sandy F	Redox (S5)					
Restrictive Layer (if observed): Type:				Anomalous Bright	Loamy Soils (F20) (MLR.	A 149A, 153C, 153D)	
Type: Hydric Soil Present? Yes No						Annual Control of the	
Depth (inches): No		Layer (if observed));				/
Depth (inches).	TO THE COMPLETE WITH					s !! B12 V	No
Remarks:	Depth (in	iches):				Hydric Soil Present? Tes	
	Remarks:						



Upland data point wcmr006_u facing north.



Upland data point wcmr006_u facing east.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region City/County: Camberland Sampling Date: 5/16/16 Project/Site: ACP Applicant/Owner: Dominion Investigator(s) EST-K, Markham, K, Maren Regerent, Township, Range: NA Landform (hillslope, terrace, etc.): dePlessia Local relief (concave, convex, none): Local relief (concave, convex, none): Local relief (concave, convex, none): Subregion (LRR or MLRA): LRR P Lat: 35.00351 Long: 78.74150 Datum: W6 Soil Map Unit Name: Rains sondy loam, 0-2"1 Slopes 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 Yes / No ____ Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: NCWAM: Hardwood Flot 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) Aquatic Fauna (B13) Surface Water (A1) Drainage Patterns (B10) High Water Table (A2) Marl Deposits (B15) (LRR U) Moss Trim Lines (B16) Hydrogen Sulfide Odor (C1) 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) Geomorphic Position (D2) Thin Muck Surface (C7) Algal Mat or Crust (B4) Shallow Aguitard (D3) Other (Explain in Remarks) Iron Deposits (B5) **EAC-Neutral Test (D5)** Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: No ___ Depth (inches): 2" Surface Water Present? Yes No Depth (inches): SUIFALE Water Table Present? Wetland Hydrology Present? Yes _ Yes _ No _ Depth (inches): Sur Face Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

2-6-62-6	Absolute	Dominar	nt Indicator	Dominance Test worksheet:	
1. ACEV VUDYAM	% Cover	Species	Status FAC	Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
2. Liquidambor storacistua 3. Liriodendan tulipifera	1G 25	N	FACU	Total Number of Dominant Species Across All Strata:	(B)
5	1000			Percent of Dominant Species That Are OBL, FACW, or FAC: 43%	(A/B)
6.				Prevalence Index worksheet:	ntilana
7		The same			
8,				and the second of the second o	
	85	= Total C	over	OBL species x 1 =	
50% of total cover: 42.	5 20% 0	f total cove	er: 17_	FACW species x 2 =	0.45 (1.65 (6.65)
Sapling/Shrub Stratum (Plot size: 3084 X3084)				FAC species x 3 =	CALL MADE
1. Leucothoe oxillaris	35	Y	FACW	FACU species x 4 =	CARL SECTION
2 Magnotia Virginiana	5	N	FACW	UPL species x 5 =	
3. Liquidambar Sturacifina	16	N	FAC	Column Totals: (A)	(B)
4. Acer rubrum	10	N	FAC		
5. Vaccinium corymbosum	- 13	N	FACW	Prevalence Index = B/A =	- 2405
6. ROSA PALUSTIS	1	11	OBL	Hydrophytic Vegetation Indicators:	
		10		-Rapid Test for Hydrophytic Vegetation	
7. Ligustrum sinense	- 3	- 14	FAC	2 - Dominance Test is >50%	
B. GIRCLUS NIGVO	10	11	FAC	3 - Prevalence Index is ≤3.01	
1.4		= Total C		Problematic Hydrophytic Vegetation ¹ (Explain	1)
50% of total cover: 40.	5 20% o	f total cove	er: 1612		
Herb Stratum (Plot size: 30Ft X 30Ft)			-01	¹ Indicators of hydric soil and wetland hydrology m	ust
1. Murdannia Kiesak	15	7	OBL	be present, unless disturbed or problematic.	
2 Chasmonth am laxum		N	FACW	Definitions of Four Vegetation Strata:	
3. Afundinar a gigontea	2	N	FACW	= W to look and discussed 2 in 17.6 a	m) or
4. OSMUNDOSTRAM CINDAMONEA	m 5	4	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 c more in diameter at breast height (DBH), regardle	ss of
A SECTION OF SECTION AND ADDRESS OF SECTION ASSESSMENT OF SECTION AND ADDRESS OF SECTION AD	SSI WAS DESTRUCTED AND DE			height.	
5					
6.				Sapling/Shrub – Woody plants, excluding vines, than 3 in. DBH and greater than 3.28 ft (1 m) tall.	less
B.				Herb - All herbaceous (non-woody) plants, regard	dless
9.	1772	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		of size, and woody plants less than 3.28 ft tall.	
10.				Woody vine - All woody vines greater than 3.28	ft in
11.		10000000		height.	
12.					
	23	= Total C	over		46000000
50% of total cover: _\\tag{\\tag{\tag{t}}	5 20% 0	f total cove	er: 4.6		
Woody Vine Stratum (Plot size: 3054 X 3054)					
1. Parthenocissus quinquesolie	2	N	FACU		
2. Smilax slaves	1	N	FAC		
3. Smilar rutandifolia	15	V	FAC		
S. Stillier to tollier		-/-	2-7-02-77-57-77-5		
		manufacture of			
	19	Charles Services		Hydrophytic	
0.0		= Total C	Contract of the second	Vegetation Present? Yes No	
50% of total cover:	20% 0	f total cov	er: 3.8		
Remarks: (If observed, list morphological adaptations bel	ow).				
[2] 10 10 10 10 10 10 10 10 10 10 10 10 10					

SUIL							the absence of	Indicators)
Profile Descrip	otion: (Describe t	to the depth				or confirm i	the absence of	murcators.)
Depth _	Matrix			x Features		12	Tandusa	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type'	_Loc²	Texture _	Remains
0-6	048211	100					2	
		100			170 0 PA T			
		-						
A COMPANY OF A STATE O	Application and account of the	-		100	TO STATE OF THE STATE OF			
							Samuel Committee	Manager State Control of the Control
CONTROL OF THE PARTY								
	Maria de la compansión de							
¹ Type: C=Con	centration, D=Dep	letion, RM=R	educed Matrix, MS	S=Masked	Sand Gra	ins.		L=Pore Lining, M=Matrix.
Hydric Soil Inc	dicators: (Applic	able to all LF	RRs, unless other	rwise note	ed.)		Indicators fo	or Problematic Hydric Soils ³ :
☐ Histosol (A	.1)		☐ Polyvalue Be	low Surface	ce (S8) (L	RR S, T, U)	1 cm Mu	ick (A9) (LRR O)
Histic Epip			Thin Dark Su					ick (A10) (LRR S)
Black Histi			Loamy Muck				Reduced	Vertic (F18) (outside MLRA 150A,B)
	Sulfide (A4)		Loamy Gleye				Piedmon	nt Floodplain Soils (F19) (LRR P, S, T)
	ayers (A5)		Depleted Ma					ous Bright Loamy Soils (F20)
Charles and the contract of th	odies (A6) (LRR P	TID	Redox Dark		6)			A 153B)
	y Mineral (A7) (LF		Depleted Da					ent Material (TF2)
	ence (A8) (LRR U		Redox Depre					allow Dark Surface (TF12)
R. Marrier B. Scholler and B. Collection Co. Physical Scholler Sch	(A9) (LRR P, T)		Marl (F10) (L				TO THE RESIDENCE OF THE PARTY O	explain in Remarks)
Cutty-based block by high transfer	Below Dark Surfac	ο (Δ11)	Depleted Oc		(MLRA 1	51)		
TO SHARE THE PARTY OF THE PARTY	Surface (A12)	E (A11)	Iron-Mangan		2.03/03/03/04/04/04/04/04/04/04/04/04/04/04/04/04/		T) ³ Indicat	tors of hydrophytic vegetation and
	rie Redox (A16) (N	MI DA 150A)	(c) A series of the control of th					and hydrology must be present,
			Delta Ochric			, 0,		ss disturbed or problematic.
Comments of the second of the	cky Mineral (S1) (I	LRR 0, 5)	Reduced Ve			0A 150B)	uo	
1002:0000000CL_0000000	yed Matrix (S4)						0.43	
Sandy Re			Piedmont Flo					153D)
Stripped N			Anomalous	Bright Loai	ny sons (rzu) (WILK	A 149A, 153C,	1335)
	ice (S7) (LRR P, S							
Restrictive La	yer (if observed)							
Type:								1/
Depth (inch	es):						Hydric Soil F	Present? Yes No
Remarks:	takanya mini muni mponggan kaluan kupat ng kanan tum n	er er er statt bille				atomic Mobile (C		
recinario.		-1		, .	1	met C	To the sell	GUCE!
Could no	ot retrieve	soil bi	oring past	6 IN	ches 1	WCI, 15	1119 001 01	-201
			u .					



Wetland data point wcmr006f_w facing east.



Wetland data point wcmr006f_w facing south.

Project/Site: ACP City/C	county: Camberland Sampling Date: 5/16/16
Project/Site: NC	State: NC Sampling Point: Wcmr00Ge.v
Applicant/Owner: Dominion	State. 14 Samping Fort.
Investigator(s): ESI-15.Markham, 15. Murphrey Section	on, Township, Range: 1977
Landform (hillslope, terrace, etc.): DePression Local	relief (concave, convex, none): COACAVE Slope (%)
Subregion (LRR or MLRA): LRR P Lat: 35,003	55/ Long:-/8 + / 41 / 1 Datum: W6 5 E
Soil Map Unit Name: Rains Sondy loom, 0-290 Stope	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly distur	[전통][[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[[
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
U. d. b. d. M. a. b. d. a. Barrando	
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present?	within a Wetland? Yes No
Remarks:	The Control of the Co
HYDROLOGŸ	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) High Water Table (A2) Harl Deposits (B15) (LRI	HONG CANADA SANDON CONTROL CO
Saturation (A3) Hydrogen Sulfide Odor (C	
Water Marks (B1) Sediment Deposits (B2) Oxidized Rhizospheres a	表現 (3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iro Recent Iron Reduction in	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remark	[18] 18 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	1
Surface Water Present? YesNo Depth (inches):	
Water Table Present? Yes No Depth (inches):	WPACE
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	

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

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 304+ X30f+) 1. NOR Presen+	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. 3.		Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: [60] (A/B)
6.		
7.		Prevalence Index worksheet:
8.		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
50% of total cover:	20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size 3054 X 3054)		FAC species x 3 =
1. None present		FACU species x 4 =
2.		UPL species x 5 =
3.		Column Totals: (A) (B)
4.		Prevalence Index = B/A =
5		Hydrophytic Vegetation Indicators:
6		1 - Rapid Test for Hydrophytic Vegetation
7		2 - Dominance Test is >50%
8.		T
8.	O = Total Cover	3 - Prevalence Index is ≤3.0¹
FOOY of total across	The state of the s	Problematic Hydrophytic Vegetation¹ (Explain)
Herb Stratum (Plot size: 3054 X 3054)	20% of total cover:	
1. Aluncination gigontea	20 Y FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2 TUPLO 10+18011A	25 Y OBL	Definitions of Four Vegetation Strata:
	10 N FAC	
3. Acer rubrum		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Solidago SP.		more in diameter at breast height (DBH), regardless of
5. Junius PERUSUS	5 N OBL	height.
6. Rhynchospora sp	S N FACULORL	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9.		of size, and woody plants less than 3.26 it tail.
10.		Woody vine - All woody vines greater than 3.28 ft in
11.		height.
12.		
	= Total Cover	
50% of total cover: 3/1	5 20% of total cover: 15	
Woody Vine Stratum (Plot size: 305+X305+)		
1. None Present		
2.		
3.		
4.		
5.		Hydrophytic
	O = Total Cover	Vegetation
EOV of total sover	20% of total cover:	Present? Yes No
2012/2014 CONTROL OF CONTROL OF STREET OF STREET ST	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
Remarks: (If observed, list morphological adaptations be	·low).	

Profile Description: (Describe to the depth needed to document the indicator or confirm	the absence of management,
Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type Loc²	Texture Remarks
Theres, Color America	SL
6-14 104R2/1 100	LS
14-16 104R4/1 100	5
	² Location: PL=Pore Lining, M=Matrix.
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
HE 4에 발전하다. [2012년 전에 1985년 1987년 1987년 1987년 1982년	
☐ Histosol (A1) ☐ Polyvalue Below Surface (S8) (LRR S, T, U ☐ Histic Epipedon (A2) ☐ Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
	Reduced Vertic (F18) (outside MLRA 150A,B)
	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Hydrogen Sulfide (A4) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6)	(MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	Red Parent Material (TF2)
Muck Presence (A8) (LRR U) Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151)	
☐ Thick Dark Surface (A12) ☐ Iron-Manganese Masses (F12) (LRR O, P,	T) Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B)	
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 14	
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLR	(A 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)	
	한 문화학 시청한 중요 하시 하셨다면 회사를 하고 있다면 하지만 하지 않는데 그 사람들이 되었다면 되었다.
Restrictive Layer (if observed):	./
Type:	Hydric Soil Present? Yes No
Type: Depth (inches):	Hydric Soil Present? Yes No
Type: Depth (inches):	TO THE STATE OF TH
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Wetland data point wcmr006e_w facing south.



Wetland data point wcmr006e_w facing west.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region City/County: CUMBERION & Project/Site: ACP State: N Sampling Point: WCMr 006-4 Applicant/Owner: Dominion Investigator(s): ESI-K. Markham, K. Murpurey Section, Township, Range: NA Local relief (concave, convex, none): CONVEX Slope (%): 2 Landform (hillslope, terrace, etc.): hill 5) upe Subregion (LRR or MLRA): LRR Soil Map Unit Name: Rain S Sondy Warn, 0-2°10 SK NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes _ No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes _____ Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? (If needed, explain any answers in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? 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 No within a Wetland? Wetland Hydrology Present? 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) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Moss Trim Lines (B16) Saturation (A3) Hydrogen Sulfide Odor (C1) 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) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Iron Deposits (B5) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: Yes ____ No Depth (inches): Surface Water Present? Depth (inches): _ Water Table Present? Depth (inches): 720 Wetland Hydrology Present? Yes ____ Saturation Present? _ No __ (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

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

1202 (100)	To cupdrate to	THE RESERVE AND ADDRESS OF THE PARTY OF THE		
Tree Stratum (Plot size: 308+ X 306+)			t Indicator Status	Dominance Test worksheet:
1. ACEY VUOLUM		Contraction of According		Number of Dominant Species
	15	N	FAC	That Are OBL, FACW, or FAC: (A)
2. QUETCUS NIGIO	10	Y	FAC	Total Number of Dominant
3. Liquidambor Styracistaa	15	N	FAC	Species Across All Strata: (B)
				Openies / 10 000 / 10
4.				Percent of Dominant Species (1) 90
5.		_		That Are OBL, FACW, or FAC: (A/B)
6.				
7.				Prevalence Index worksheet:
		- 1000	TYPE	Total % Cover of: Multiply by:
8.	101/			OBL species x 1 =
		= Total Co		FACW species x 2 =
50% of total cover: _ 50	20% of	total cove	r: 20	
Sapling/Shrub Stratum (Plot size: 304 X304)				FAC species x 3 =
A COV VIA OV.	15	4	CAC	FACU species x 4 =
1. Acer rubrum		- //	FILE	UPL species x 5 =
2. Liquidambar Styrocifua		7	+AC	- Miles (2008) (1908)
3. NUSSA SUVOTICA	5	Y	FAC	Column Totals: (A) (B)
4. Vaccinium corumbosam	10	4	FACW	
Control of the contro	SAME STATE OF STREET	-	- Institutional real	Prevalence Index = B/A =
5.			seriorisms research the version before	Hydrophytic Vegetation Indicators:
6.				- Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
			S. S. SELECTION	
8.	Les		TO SECURE OF SECURE	3 - Prevalence Index is ≤3.01
0.0	70	= Total Co	over	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 20	20% of	total cove	r: 8	
Herb Stratum (Plot size: 30F+ X 30F+)				1. If the state of
Clouds of a cloud of	10	V	FACW	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Cletura alnifolia	10	-/-		CONTROL OF THE PROPERTY OF STREET AND ADDRESS OF THE PROPERTY
2. Quercus rigro	10	Y	FAC	Definitions of Four Vegetation Strata:
3. Chasmanthium laxum	5	Y	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Ilex glabion	5	V	FACW	more in diameter at breast height (DBH), regardless of
CONTROL OF THE PROPERTY OF THE		100000		height.
5.			Total Carlos Car	
6.				Sapling/Shrub - Woody plants, excluding vines, less
7.				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
THE STATE OF THE S				
8. The second se				Herb – All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10.			SCREEN	Woody vine - All woody vines greater than 3.28 ft in
11.				height.
	43.425.000	TO THE REAL PROPERTY.		
12.	2	2005/2006	and the real part of the	
	A resident description of the second	= Total Co	-	
50% of total cover:	20% of	total cove	er: <u>5</u>	
Woody Vine Stratum (Plot size: 328+X328+)			O CONTROL STORY	
1. Smilax ntuncisolia	10	V	ERC	
	-	-/-	FIL	
2. Witis rotundisolia	>	4	FAC	
3 Gelseniam sempervirens	5	Y/	FAC	
4. Parthenocissus quinquefolia	5	C)	FACIL	
4. PAITHENDEISSUS QUINQUEIDITA			FILEDI	
# # ^ 15 PM : [- 4 PM : [] -				Hydrophytic
5.				Vegetation
D. The state of th	25	= Total Co	over	
10	make a service to a new later.	= Total Co		Present? Yes No
50% of total cover: 12.	≤ 20% of	= Total Co		Present? Yes No
10	≤ 20% of			Present? Yes No
50% of total cover: 12.	≤ 20% of			Present? Yes No
50% of total cover: 12.	≤ 20% of			Present? Yes No
50% of total cover: 12.	≤ 20% of			Present? Yes No
50% of total cover: 12.	≤ 20% of			Present? Yes No
50% of total cover: 12.	≤ 20% of			Present? Yes No
50% of total cover: 12.	≤ 20% of			Present? Yes No
50% of total cover: 12.	≤ 20% of			Present? Yes No
50% of total cover: 12.	≤ 20% of			Present? Yes No

					the absence of in		
Depth (inches)	Matrix Color (moist)	%	Redox Fea	tures Loc²	Texture	Remark	S
O-)	1048 2/2	100	Joint Milolott			Control of the second s	ooted 56
	- 1				SL		
2-10	104R3/2	100		CART STREET, S			
0-20	10GR4/6	100			SC		
					100 mm 75 m 74 m		
					2, ,, ,,	D Using McM	lately
Type: C=C	oncentration, D=Dep	oletion, RM=F	Reduced Matrix, MS=Ma	sked Sand Grains.		Pore Lining, M=M Problematic Hyd	
		cable to all L	RRs, unless otherwise				
Histosol				Surface (S8) (LRR S, T, U		(A9) (LRR O) (A10) (LRR S)	
2 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	pipedon (A2)			(S9) (LRR S, T, U)			de MLRA 150A,B)
	istic (A3)		Loamy Mucky Min				19) (LRR P, S, T)
1000 A. LET CHECK	en Sulfide (A4)		Depleted Matrix (F	(1) - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		Bright Loamy So	
	d Layers (A5) : Bodies (A6) (LRR F	T III	Redox Dark Surfa		_ (MLRA 1		
	ucky Mineral (A7) (L		Depleted Dark Su			t Material (TF2)	
	resence (A8) (LRR L		Redox Depression			ow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (LRR L			lain in Remarks)	
	d Below Dark Surface		Depleted Ochric (
	ark Surface (A12)			Masses (F12) (LRR O, P,		s of hydrophytic v	
	rairie Redox (A16) (MLRA 150A) Umbric Surface (F	13) (LRR P, T, U)		I hydrology must b	
	Mucky Mineral (S1) (Delta Ochric (F17	(MLRA 151)	unless	disturbed or proble	ematic.
	Gleyed Matrix (S4)		Reduced Vertic (F	18) (MLRA 150A, 150B)			
	Redox (S5)			ain Soils (F19) (MLRA 14			
3502445 84055 BB Z. 4555	d Matrix (S6)		Anomalous Bright	Loamy Soils (F20) (MLR	A 149A, 153C, 15	3D)	
Dock C.	urface (S7) (LRR P,	S, T, U)					
Daik St	made (or) (Either)						
	Layer (if observed)):					/
):					
Restrictive Type:			2004 - 1919 (A. 1400 - 1919 - 1918 -		Hydric Soil Pre	esent? Yes	No
Restrictive Type:	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No
Restrictive Type: Depth (ir	Layer (if observed)				Hydric Soil Pre	esent? Yes	No



Upland data point wcmr006_u facing north.



Upland data point wcmr006_u facing east.