

Upland data point wcmo024\_u facing northeast.



Upland data point wcmo024\_u facing southwest.

Project/Site: ACP C	ity/County: Comberland sampling Date: 4/19/16
Applicant/Owner: Dominion	State: NC Sampling Point: www 032f-
Investigator(s): L. Roper, S. Bryan s	
Landform (hillslope terrace etc.): flat	ocal relief (concave, convex, none): none Slope (%): 0 - 2
Subsection (I BB or MI BA): L L R P Lat: 34.9	1674 Long: -78.75385 Datum: W6584
Soil Map Unit Name: Pactolus loamy sand	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year	
	[17일] [18] [18] [18] [18] [18] [18] [18] [18
Are Vegetation, Soil, or Hydrology significantly di	
Are Vegetation, Soil, or Hydrology naturally prob	
The control of the co	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks: Abnormally dry conditions	
April mary 21 1	
NCWAM: Hardwood Flat	
4 NOTE OF THE PROPERTY OF THE	
HYDROLOGY	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (Intimitation of two requires)  Surface Soil Cracks (B6)
Surface Water (A1)  Aquatic Fauna (B13)	
High Water Table (A2)  Marl Deposits (B15)	18.46.1일 (19.41) (19.
Saturation (A3)  Hydrogen Sulfide Od	kriikiikka 18. 30.00 : - 이번 시간 전 10. 10.00 대는 유럽 18. 18. 18. 18. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19
	res along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)	
Drift Deposits (B3)	
Algal Mat or Crust (B4)	1위를 즐겁게 있었습니다. 이번 살 전하는 그는 그를 맞아보니까지 않아 없었다면서 하는 것이다면서 보고 있는 것이다. 그는 그는 그는 그는 그는 그는 그는 그는 그는 그를 다 없다고 있다.
Iron Deposits (B5) Uher (Explain in Rei	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:  Surface Water Present?  Yes No Depth (inches):	NA
Water Table Present? Yes No Depth (inches):	를 받는 것이 되는 것이 되었다. 그런 사람들은 사람들이 되었다면 하는 것이 되었다면 하는데
Saturation Present? Yes No Depth (inches):	SUCFACE Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos	, previous inspections), ii available.
Remarks:	

1746 17-6	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ff x 30ft)  1. Magnolia virginiana	% Cover	Species?	Status FACW	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Chamaeyparis thyoides 3. Nyssa sylvatica	20	7	DBL	Total Number of Dominant Species Across All Strata:  (B)
4. Aler rubrum	10	Y	FAC	Species Across Air Strate.
5	TO COMPTION TO A			That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
	50	= Total Cov	/er	OBL species x 1 =
50% of total cover: 25			1 -	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30ff x30ff)			W. E. E.	FAC species x 3 =
1. Cyrilla racemiflora	15	Y	FACW	FACU species x 4 =
2. Ilex Ioriacea	15	1	FACW	UPL species x 5 =
3. Magnolia virginiana	_ID	1	FACW	Column Totals: (A) (B)
4				Prevalence Index = B/A =
[2] 강경우 등 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:				Hydrophytic Vegetation Indicators:
6				1 Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
	40	= Total Cov	/er	3 - Prevalence Index is ≤3.0¹
50% of total cover: 20	20% of	total cover	. 8	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Herb Stratum (Plot size: 30ft x30ft)	20,00	total cover		<sup>1</sup> 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
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			10100000	height.
12.				
	OF A PARTIE ARABINA LIES	= Total Cov		
50% of total cover:	20% of	total cover		
Woody Vine Stratum (Plot size: 30 ff x 30 ff)	20	11	EN	
1. Smilax rotundifolia	20	<del>-</del>	TAC	
2.				
3.			Andrew S	
	11 10 10 10 10 10 10 10 10 10 10 10 10 1	The sales of the sales	Avener or 1990	
5.	20			Hydrophytic
		= Total Co	U	Vegetation Present? Yes No
50% of total cover: 10		f total cover	:	Contact Market Contact
Remarks: (If observed, list morphological adaptations belo	w).			

			needed to document the indicator or confirm	Title absence of maiotaions,
Depth (inches)	Matrix Color (moist)	%	Redox Features  Color (moist) % Type¹ Loc²	Texture Remarks
(inches)	104R2/1	100	Color (moist) // Type	mucky loam
A service and the service of the service of	10/10/11	100		4
8-20	10 1K-/1	100		A STATE OF THE STA
		-		
		No. 20		The control of the co
				Colon Caracia Colonia de Caracia Carac
¹Type: C=C	Concentration, D=Dep	oletion, RM=F	Reduced Matrix, MS=Masked Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	cable to all L	RRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histoso			Polyvalue Below Surface (S8) (LRR S, T, I	
	pipedon (A2)		Thin Dark Surface (S9) (LRR S, T, U) Loamy Mucky Mineral (F1) (LRR O)	2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A,B)
	listic (A3) en Sulfide (A4)		Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
	ed Layers (A5)		Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
Organic	Bodies (A6) (LRR F		Redox Dark Surface (F6)	(MLRA 153B)
	ucky Mineral (A7) (L		Depleted Dark Surface (F7)	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
	resence (A8) (LRR l luck (A9) (LRR P, T)		Redox Depressions (F8)  Marl (F10) (LRR U)	Other (Explain in Remarks)
	ed Below Dark Surface		Depleted Ochric (F11) (MLRA 151)	
	ark Surface (A12)		Iron-Manganese Masses (F12) (LRR O, P	,T) <sup>3</sup> Indicators of hydrophytic vegetation and
	Prairie Redox (A16) (			wetland hydrology must be present, unless disturbed or problematic.
	Mucky Mineral (S1) ( Gleyed Matrix (S4)	(LKK U, S)	Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B	
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 1	
Strippe	d Matrix (S6)		Anomalous Bright Loamy Soils (F20) (MLI	RA 149A, 153C, 153D)
	urface (S7) (LRR P,			
Restrictive	I aver (if observed			
	Layer (if observed	);		
Type: _		): 	_	Hudric Sail Present? Yes No
Type: Depth (i				Hydric Soil Present? Yes No
Type: _			_	Hydric Soil Present? Yes No
Type: Depth (i				Hydric Soil Present? Yes No
Type: Depth (i		).		Hydric Soil Present? Yes No
Type: Depth (i		)-		Hydric Soil Present? Yes No
Type: Depth (i		<b>)-</b>		Hydric Soil Present? Yes No
Type: Depth (i		-		Hydric Soil Present? Yes No
Type: Depth (i		<b>J</b>		Hydric Soil Present? Yes No
Type: Depth (i		<b>J-</b>		Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i		<b>J</b>		Hydric Soil Present? Yes No
Type: Depth (i		<b>J-</b>		Hydric Soil Present? Yes No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i		<b>j.</b>		Hydric Soil Present? Yes No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i		<b>j.</b>		Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i		j.		Hydric Soil Present? Yes No No



Wetland data point wcmo032f\_w facing north.



Wetland data point wcmo032f\_w facing west.

Project/Site: ACP City/C	County: Comberland Sampling Date: 4/19/16
Applicant/Owner: Dominion	State: NC Sampling Point: wemo 032e.
Investigator(s): L. Roper, S. Bryan Section	on, Township, Range: NONP,
	relief (concave, convex, none): none Slope (%): 0 - Z
Subregion (I BB or MI BA): LER P Lat: 34,91	657 Long: -78.75484 Datum: W6584
Soil Map Unit Name: Pactolus loamy sand	NW classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly distur	44 - 120 P. S.
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS – Attach site map showing san	
The control of the co	A Problem Control of the Control of
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wes No	Is the Sampled Area within a Wetland? Yes No
Remarks: Abnormally dry conditions	
Approximately org constitutions	
Control of the Contro	
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)  Sparsely Vegetated Concave Surface (B8)
Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Marl Deposits (B15) (LR	에서 가게 가는 사람들은 사람들이 되었다. 그는 사람들이 가는 사람들이 다른 사람들이 되었다면 하는데 하는데 사람들이 되었다면 하는데 되었다면 하는데 되었다면 하는데 되었다면 사람들이 되었다. 나를
Saturation (A3)  Hydrogen Sulfide Odor (	idaga 사용하는 100mm
Water Marks (B1) Oxidized Rhizospheres a	kari (1998-1998-1998-1998-1998-1998-1998-1998
Sediment Deposits (B2)	[2] (1) 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in	Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Geomorphic Position (D2)
Iron Deposits (B5) Under (Explain in Remark	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Water-Stained Leaves (B9)	Spriagrium moss (Do) (ERR 1, 0)
Field Observations:  Surface Water Present?  Yes No Depth (inches):	NA
Water Table Present? Yes No Depth (inches):	720
Saturation Present? Yes V No Depth (inches): 51	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
portions of wetland inur	odated
portions of wellers mo	10001 00
1	
NO. TO STATE OF THE STATE OF TH	

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

120 120	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft x 30ft)	% Cover Species? Status	Number of Dominant Species 2
1. none		That Are OBL, FACW, or FAC: (A)
2.		Total Number of Dominant
3.		Total Number of Dominant Species Across All Strata:  (B)
This contract with the less than a subject to the section upon the section of the		
4.		Percent of Dominant Species
5.		That Are OBL, FACW, or FAC: (A/B)
6.		Prevalence Index worksheet:
7.	Commence Com	Total % Cover of: Multiply by:
8.		OBL species x1 =
	= Total Cover	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
50% of total cover:	20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30ft x 30ft)		FAC species x 3 =
1. none		FACU species x 4 =
PACE TO A SECURE OF THE PROPERTY OF THE PACE OF THE PA		UPL species x 5 =
2.		Column Totals: (A) (B)
3.		
4. The same and th	all the little design has been all the responsible to the street of the responsible to the contract of the con	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 Vegetation¹ (Explain)
50% of total cover	20% of total cover:	Ti Problematic Hydrophytic Vegetation (Explain)
Herb Stratum (Plot size: 30f4 x 30ft)		the state of the s
1. Juneus effusus	20 Y OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	10 Y FACO+	THE RESEARCH AND ADMINISTRATION OF THE PROPERTY OF THE PROPERT
2. Ludwigia sp		
3. Androsogon glomeratus	15 Y FACW	Tree - vvoody plants, excluding vines, 3 in. (7.6 cm) or 1
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 of size, and woody plants less than 3.28 ft tall.
9		of size, and woody plants less than o.zo it tall.
10.		Woody vine – All woody vines greater than 3.28 ft in
11.	AND A CONTRACTOR OF THE STATE O	height.
12.	<u>, data and a statistical account of </u>	
	45 = Total Cover	And the Control of th
50% of total cover: 22	5 20% of total cover: 9	
Woody Vine Stratum (Plot size: 30ff x 30ff)		
1. hone		
2.		
3.		
5.		Hydrophytic
	= Total Cover	Vegetation
50% of total cover:	20% of total cover:	Present? Yes V No No
Remarks: (If observed, list morphological adaptations bel	AND THE PROPERTY OF STREET AND STREET AND STREET AND STREET AS A STREET AND S	
Tremains. (II observed, list morphological adaptations so	o,.	

SOIL							npling Politi.
Profile Desc	ription: (Describe	to the depth	needed to document the indicat	or or confirm	the absence	of indicators	S.)
Depth	Matrix		Redox Features				Demode
(inches)	Color (moist)	%	Color (moist) % Type	Loc²	<u>Texture</u>		Remarks
0-4	104R41	100			mucky	2L	
4-16	104R2/1	100			L'		
16-20	1048211	100			5		
1000	10 / 1						
	Tamble Property of the Control of th						
					Carlo	The second	
¹Type: C=C	oncentration, D=Der	oletion, RM=F	Reduced Matrix, MS=Masked Sand	Grains.	<sup>2</sup> Location:	PL=Pore Lir	ning, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all L	RRs, unless otherwise noted.)				natic Hydric Soils <sup>3</sup> :
☐ Histosol			Polyvalue Below Surface (S8	(LRR S, T, I	U) 🔲 1 cm l	Muck (A9) (LF	RR 0)
	oipedon (A2)		Thin Dark Surface (S9) (LRR	S, T, U)		Muck (A10) (L	
Black Hi	stic (A3)		Loamy Mucky Mineral (F1) (L	.RR 0)			8) (outside MLRA 150A,B)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)				in Soils (F19) (LRR P, S, T)
	Layers (A5)		Depleted Matrix (F3)		THE RESERVE OF THE PROPERTY OF	RA 153B)	Loamy Soils (F20)
	Bodies (A6) (LRR F		Redox Dark Surface (F6)  Depleted Dark Surface (F7)			arent Materia	al (TF2)
	icky Mineral (A7) (L resence (A8) (LRR L		Redox Depressions (F8)				Surface (TF12)
	ick (A9) (LRR P, T)		Mari (F10) (LRR U)			(Explain in R	
	d Below Dark Surface		Depleted Ochric (F11) (MLRA	A 151)			
	ark Surface (A12)		Iron-Manganese Masses (F1	2) (LRR O, P			rophytic vegetation and
Coast P	rairie Redox (A16) (	MLRA 150A)					gy must be present,
	Mucky Mineral (S1) (	(LRR O, S)	Delta Ochric (F17) (MLRA 15			less disturbe	d or problematic.
	Gleyed Matrix (S4)		Reduced Vertic (F18) (MLRA				
770 PROPERTY OF THE REAL PROPERTY AND THE RE	Redox (S5)		Piedmont Floodplain Soils (F Anomalous Bright Loamy So			1530)	
	Matrix (S6) Irface (S7) (LRR P,	e T III	Anomalous Bright Loamly So	iis (FZU) (MILI	KA 145A, 155	3, 1330)	
	Layer (if observed						
	Layer (ii observed						/
Type:	NUMBER OF STREET STATES OF STREET	PERSONAL CONTRACTOR			Hydric So	il Present?	Yes No
SE ENTERING MERCANI	ches):	Carried Section 1995			- Inyunio Co		
Remarks:							



Wetland data point wcmo032e\_w facing northwest.



Wetland data point wcmo032e\_w facing west.

Project/Site: ACP City/	county: Comberland Sampling Date: 4119116
Applicant/Owner: Dominion	State: NC Sampling Point: www 032-
Investigator(s): Li Roper, S. Bryan sect	ion, Township, Range: NONC
Landform (hillslope, terrace, etc.): flat Loca  Subregion (LRR or MLRA): LFR P Lat: 34, 911  Soil Map Unit Name: Pactolus loamy Sand	al relief (concave, convex, none): None Slope (%): 0-2
Are climatic / hydrologic conditions on the site typical for this time of year?	: : : : : : : : : : : : : : : : : : :
Are Vegetation, Soil, or Hydrology significantly distu	
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No  Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks: Abnormally dry conditions	
HYDROLOGÝ	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  High Water Table (A2)  High Water Table (A2)  High Water Table (A2)	######################################
Saturation (A3) Hydrogen Sulfide Odor ( Water Marks (B1) Oxidized Rhizospheres	
Sediment Deposits (B2)  Presence of Reduced In	4를 보냈다. 하는 사람들이 가는 사람들이 살아보다는 이번 중에서 하는 사람들이 되었다. 그래 사람들이 되었다면 하는 사람들이 되었다면 하는 것이 없는 것이 없어요.
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in	(1984-1984) : [11] [12] [13] [14] [14] [15] [15] [15] [15] [16] [16] [16] [16] [16] [16] [16] [16
Algal Mat or Crust (B4) Thin Muck Surface (C7)	
Iron Deposits (B5) Under (Explain in Remains	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9) Field Observations:	Sphagnum moss (D8) (LRR T, U)
Surface Water Present? Yes No Depth (inches):	NA
Water Table Present? Yes No Depth (inches):	>20
Saturation Present? Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	
Section 1990 to the Section Section 1990	

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

Time Stratum (Plot size: 30 ft x 30	VEGETATION (1 dai otrata) — ose scientine na	The management is	ptelkinen-Hoo.	Ladicates	Daminana Tast wastabast:
1 Mag notice vire in in Ano 10 Y FACU 7 (A) 2 Chamaecy parts thyprides 20 Y OBL 3 Ny556 5 Y Vantile 10 Y FACU 7 (A) 7 (	Tree Stratum (Plot size: 30++ x30++ x				Dominance Test worksheet:
2 Chemaecy paris thypides 20 Y OBL 70tal Number of Deminant Species Across All Stratal Across Across	· Magnatia virginiana		Y		
10			V		That Are OBE, I ACCO, SI I AC.
Percent of Dominant Species   That Are OBL, FACW, or FAC:   AB	2. Chamaecyparis Thybroes	10	-4		
That Are CBL, FACW, or FAC:   100 (AB)	3. Ny356 Sylvatila	10		FAC	Species Across All Strata: (B)
That Are OBL, FACW, or FAC:   LOC   (AB)	4				Percent of Dominant Species
Prevalence Index worksneet	5.				
Prevalence Index worksneet	6.				
8.	10 CONTROL OF THE PROPERTY OF				Prevalence Index worksheet:
Sanina/Shrub Stratum (Plot size: 30+ x30+ )   Sanina/Shrub Stratum	At a braid construction of the property of a party of the state of the party of the party of the construction of the state of the party of the state				Total % Cover of: Multiply by:
FACW species   X 2 =   FACW species   X 3 =   FACW species   X 3 =   FACW species   X 4 =   FACW species   X 5 =		LID		NAMES OF THE PARTY OF	OBL species x 1 =
Sapiling/Shrub Stratum	70				
Magnotic virginiana   10		20% 0	total cove	r:_ <u>ठ</u> _	
1. Magnotica virginiana 10	Sapling/Shrub Stratum (Plot size: 30++ x30++)				TO DESCRIPTION OF THE SECOND S
2 Fiek (orially 15 Y FACW 3 Cyrilla racemiflora 15 Y FACW 4.   Column Totals: (A) (B)   4.   Frevalence Index = B/A =   5.   Hydrophytic Vegetation Indicators:   J - Rapid Test for Hydrophytic Vegetation   2 Dominance Test is > 50%   3 - Prevalence Index is \$3.0'   Problematic Hydrophytic Vegetation (Explain)   1 NONE   Free Woody plants, excluding vines, as in (7.6 cm) or more in diameter at breast height (DBH), regardless of height.   3	1. Magnolia virginiana	10	4	FACW	
3. CYTIMA FACEMIFIONA S Y FACM 4. Proteins I I I I I I I I I I I I I I I I I I I	2 Flex coringed	15	Y	FACW	
4.	2 Carilla rajemiflora	15	Y	-	Column Totals: (A) (B)
Herb Stratum (Plot size: 30ft x30ft)  Herb Stratum (Plot size: 30ft x30ft)  Solved total cover: 20 20% of total cover: 8  Herb Stratum (Plot size: 30ft x30ft)  Definitions of Four Vegetation Strata:  Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  Sapling/Shrub - Woody plants, excluding vines, 8 in. (1.6 cm) or more in diameter at breast height (DBH), regardless of height.  Sapling/Shrub - Woody plants, excluding vines, 8 in. (1.6 cm) or more in diameter at breast height (DBH), regardless of height.  Woody vines and woody plants less than 3.28 ft (1 m) tall.  Herb - All herbaceous (non-woody) plants, regardless of size, and woody vines greater than 3.28 ft tall.  Woody vine - All woody vines greater than 3.28 ft in height.  Sapling/Shrub - Woody vines greater than 3.28 ft in height.  Herb - All herbaceous (non-woody) plants less than 3.28 ft in height.  Herb - All herbaceous (non-woody) plants less than 3.28 ft in height.  Woody vine - All woody vines greater than 3.28 ft in height.  Yes	AND A STREET OF THE PROPERTY O	200,000,000	-		
6.	Control of the Contro				CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF A CONTRACT OF THE PROPERTY OF TH
7. 8. 9 Total Cover 50% of total cover: 2 0 20% of total cover: 8  Herb Stratum (Plot size: 30ff x 30ff)  1. NONE  2. 0 Finitions of Four Vegetation (Explain)  Definitions of Four Vegetation Strata:  Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  Herb - All herbaceous (non-woody) plants, regardless of size, and woody vines greater than 3.28 ft in height.  Woody Vine Stratum (Plot size: 30ff x 30ff)  1. Smrlax rotunditolia 20 Y FAC  2. 3. 4. 5.					Hydrophytic Vegetation Indicators:
8.	6.				1 - Rapid Test for Hydrophytic Vegetation
8.	7				2 - Dominance Test is >50%
Herb Stratum (Plot size: 30ff x30ff)  1. NDPC  2.					
Herb Stratum (Plot size: 30 ft x 30 ft)   1.   NDNE   20% of total cover: 8   1.   NDNE   1.   NDNE   2.   Definitions of Four Vegetation Strata:   Definitions of Four Vegetation Strata:   Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.   Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.   Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.   Woody vine – All woody vines greater than 3.28 ft in height.   Somilox rotunditolia   Zo y FAC   Somilox rotunditolia   Zo y FAC   Somilox rotunditolia   Zo y FAC   Hydrophytic Vegetation   Yes No		40	= Total Co	VOF	이 그는 사람들은 사람들은 얼마나 사용되었다면서 하셨다면서 하셨다면서 사람들이 되어 보면 되었다면서 그렇게 되었다면서 그 때문에 되었다.
Herb Stratum (Plot size: 30ff x 30ff) 1. NONE 2. Definitions of Four Vegetation Strata: 3. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.    Woody Vine Stratum (Plot size: 30ff x 30ff)   Smillox rotund tolio   Zo y FAC	FOW official course 7.5				Problematic Hydrophytic Vegetation (Explain)
be present, unless disturbed or problematic.  Definitions of Four Vegetation Strata:  Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  Woody vine – All woody vines greater than 3.28 ft in height.  Total Cover  20% of total cover:  Woody Vine Stratum (Plot size: 30ft x 30ft)  Smilex rotunditolia 20 Y FAC  Hydrophytic Vegetation Present? Yes No		20% 0	total cove		
Definitions of Four Vegetation Strata:  3.	To be a supplied to the contract of the contra				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3	1. hone				be present, unless disturbed or problematic.
3	2.				Definitions of Four Vegetation Strata:
4	2008 and the second of the contract of the con				= 141 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5	CONTROL AND A REPORT OF THE PROPERTY OF THE PR				Tree – Woody plants, excluding vines, 3 in. (7.5 cm) of
Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  Woody vine – All woody vines greater than 3.28 ft in height.  Total Cover  50% of total cover:	TO STORE HOLD AND THE STREET HELD AND A STORE AND ADDRESS OF THE STREET HELD AND ADDRESS OF THE				
7	CART   Service   A record of the street of				
8	TOTAL CONTROL OF THE WOOD OF THE WORLD SERVICE				Sapling/Shrub - Woody plants, excluding vines, less
8	7.				than 3 in. DBH and greater than 3.28 ft (1 m) tail.
9					Herb - All herbaceous (non-woody) plants, regardless
10					of size, and woody plants less than 3.28 ft tall.
11	마양 항송 등는 보다 다리나 가는 아이들이는 다른 아이들에서 작가들은 아이들은 아이들은 아이들은 사람들은 사람들이 아이들이 아이들이 아이들이 아니는 아이들이 아니는 아이들이 아니는 아이들이 아니는 사람들이 아니는 아이들이 아니는 아니는 아이들이 아니는 아이들이 아니는 아이들이 아니는 아이들이 아니는 아이들이 아니는				
Total Cover					
= Total Cover			1.000 000 000		neight.
50% of total cover:	12.		Paradonal C		
Woody Vine Stratum       (Plot size: 30f4 x 30f4)         1. Smilax rotunditalia       20 y FAC         2.       3.         4.       4.         5.       20 = Total Cover y Solvential cover: 4         50% of total cover: 10 20% of total cover: 4       Yes ✓ No			= Total Co	ver	To the artist of the control of the
1. <u>Smilax rotunditalia</u> <u>20 Y FAC</u> 2		20% o	f total cove	r:	
1. <u>Smilax rotunditalia</u> <u>20 Y FAC</u> 2	Woody Vine Stratum (Plot size: 30f4 x 30f4)				
2		20	V	FAL	
3	CONTROL OF THE PROPERTY OF THE				
4					
5	3.				
50% of total cover: 10 20% of total cover: 4 Vegetation Present? Yes No	4.				
50% of total cover: 10 20% of total cover: 4 Vegetation Present? Yes No	5.				Hydrophytic
50% of total cover: 10 20% of total cover: 4 Present? Yes V No		20	= Total Co	ver	Vegetation
SECRETE SECURITY AND ASSESSMENT OF THE PROPERTY ASSESSMENT OF THE PRO	EOW of total power: 1 C	Continues and the said		93000 P 000 00	
Remarks: (If observed, list morphological adaptations below).	THE COURT OF THE SECOND	THE RESERVE OF THE RES	total cove	di -	
	Remarks: (If observed, list morphological adaptations belo	w).			

OIL							the character	of indicators )
	ription: (Describe	to the depth				or confirm	the absence	or indicators.)
Depth	Matrix	- 0/		x Feature	Type	Loc²	Texture	Remarks
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	LOC	Commenced Americans	The same of the sa
0-14	10 YR 3/1	100			6 101 (NA)			>30% uncoated sand
14-20	10/123/2	IDD					_5_	
		A STATE OF THE PARTY OF THE PAR	THE RESERVE WAS DITTED BY		777177			
Main con Main		-					A Charles of Parketing	The state of the s
						1000		
						150 (0.127 )		
							2, 100 000	THE PROPERTY OF THE PARTY OF TH
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion, RM=I	Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all L						for Problematic Hydric Soils <sup>3</sup> :
☐ Histosol	(A1)		Polyvalue Be					Muck (A9) (LRR O)
	pipedon (A2)		Thin Dark Su					Muck (A10) (LRR S)
	istic (A3)		Loamy Muck			(0)		ed Vertic (F18) (outside MLRA 150A,B)
THE RESERVE AND ADDRESS OF THE PARTY OF THE	en Sulfide (A4)		Loamy Gleye		(F2)			nont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma				10 THE RESERVE TO SERVE THE PROPERTY OF THE PR	alous Bright Loamy Soils (F20)
Cita test City Use Dilbita	Bodies (A6) (LRR F		Redox Dark				10 PER 10	RA 153B) Parent Material (TF2)
	ucky Mineral (A7) (Li		Depleted Date					Shallow Dark Surface (TF12)
100000000000000000000000000000000000000	resence (A8) (LRR L		Redox Depre		0)			(Explain in Remarks)
	uck (A9) (LRR P, T)		Marl (F10) (L Depleted Oc		(MI DA 4	51)	Outer	(Explain in remains)
THE RESERVE AND A STATE OF THE PARTY OF THE	d Below Dark Surfac	e (ATT)	Iron-Mangan				T) <sup>3</sup> India	cators of hydrophytic vegetation and
	ark Surface (A12) rairie Redox (A16) (	MI DA 150A	STATE OF THE PROPERTY OF THE P					tland hydrology must be present,
113-7500-streets-2/601	Mucky Mineral (S1) (		Delta Ochric					less disturbed or problematic.
1. 1014/00/03/90/05/4/20	Gleyed Matrix (S4)	LKK U, 3)	Reduced Ver					
	Redox (S5)		Piedmont Flo					
	d Matrix (S6)						RA 149A, 1530	C. 153D)
	urface (S7) (LRR P,	S T III	III Anomalous E	ongin Loc	ini, come (			
	Layer (if observed)						1 CM107 St 707 St	
	Layer (il observed)							
Type:	entre en						Hudrig Soi	Present? Yes No
CONTRACTOR PRODUCTS	nches):	Control of the Control					Hydric 30i	rresenti res no
Remarks:								
	and the late of the second and the second	er dere pietres ris-Pel in	THE PERSON OF THE PARTY OF THE	La company of the last	Late Core Court of the	Hall Market State Co.	e h a sele remon ha vecto	



Upland data point wcmo032\_u facing south.



Upland data point wcmo032\_u facing southwest.

Project/Site: ACP C	ity/County: Comberland sampling Date: 4/19/16
Applicant/Owner: Dominion	State: NC Sampling Point: www 032f-
Investigator(s): L. Roper, S. Bryan s	
Landform (hillslope terrace etc.): flat	ocal relief (concave, convex, none): none Slope (%): 0 - 2
Subsection (I BB or MI BA): L L R P Lat: 34.9	1674 Long: -78.75385 Datum: W6584
Soil Map Unit Name: Pactolus loamy sand	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year	
	[17일] [18] [18] [18] [18] [18] [18] [18] [18
Are Vegetation, Soil, or Hydrology significantly di	
Are Vegetation, Soil, or Hydrology naturally prob	
The control of the co	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks: Abnormally dry conditions	
April mary 21 1	
NCWAM: Hardwood Flat	
4 NOTE OF THE PROPERTY OF THE	
HYDROLOGY	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (Intimitation of two requires)  Surface Soil Cracks (B6)
Surface Water (A1)  Aquatic Fauna (B13)	
High Water Table (A2)  Marl Deposits (B15)	18.46.1일 (19.41) (19.
Saturation (A3)  Hydrogen Sulfide Od	kriikiikka 18. 30.00 : - 이번 시간 전 10. 10.00 대는 유럽 18. 18. 18. 18. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19
	res along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)	
Drift Deposits (B3)	
Algal Mat or Crust (B4)	1위를 즐겁게 있었습니다. 이번 살 전하는 그는 그를 맞아보니까지 않아 없었다면서 하는 것이다면서 보고 있는 것이다. 그는 그는 그는 그는 그는 그는 그는 그는 그는 그를 다 없다고 있다.
Iron Deposits (B5) Uher (Explain in Rei	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:  Surface Water Present?  Yes No Depth (inches):	NA
Water Table Present? Yes No Depth (inches):	를 받는 것이 되는 것이 되었다. 그런 사람들은 사람들이 되었다면 하는 것이 되었다면 하는데
Saturation Present? Yes No Depth (inches):	SUCFACE Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos	, previous inspections), ii available.
Remarks:	

1746 17-6	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ff x 30ft)  1. Magnolia virginiana	% Cover	Species?	Status FACW	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Chamaeyparis thyoides 3. Nyssa sylvatica	20	7	DBL	Total Number of Dominant Species Across All Strata:  (B)
4. Aler rubrum	10	Y	FAC	Species Across Air Strate.
5	TO COMPTION TO A			That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
	50	= Total Cov	/er	OBL species x 1 =
50% of total cover: 25			1 -	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30ff x30ff)			W. E. E.	FAC species x 3 =
1. Cyrilla racemiflora	15	Y	FACW	FACU species x 4 =
2. Ilex Ioriacea	15	1	FACW	UPL species x 5 =
3. Magnolia virginiana	_ID	1	FACW	Column Totals: (A) (B)
4				Prevalence Index = B/A =
[2] 강경우 등 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:				Hydrophytic Vegetation Indicators:
6				1 Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
	40	= Total Cov	/er	3 - Prevalence Index is ≤3.0¹
50% of total cover: 20	20% of	total cover	. 8	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Herb Stratum (Plot size: 30ft x30ft)	20,00	total cover		<sup>1</sup> 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
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			10100000	height.
12.				
	OF A PARTIE ARABINA LIES	= Total Cov		
50% of total cover:	20% of	total cover		
Woody Vine Stratum (Plot size: 30 ff x 30 ff)	20	11	EN	
1. Smilax rotundifolia	20	<del>-</del>	TAC	
2.				
3.			Andrew S	
4	11 10 10 10 10 10 10 10 10 10 10 10 10 1	The sales of the sales	Avener or 1990	
5.	20			Hydrophytic
		= Total Co	U	Vegetation Present? Yes No
50% of total cover: 10		f total cover	:	Contact Market Contact
Remarks: (If observed, list morphological adaptations belo	w).			

			needed to document the indicator or confirm	Title absence of maiotaions,
Depth (inches)	Matrix Color (moist)	%	Redox Features  Color (moist) % Type¹ Loc²	Texture Remarks
(inches)	104R2/1	100	Color (moist) // Type	mucky loam
A service and the service of the service of	10/10/11	100		4
8-20	10 1K-/1	100		A STATE OF THE STA
		-		
		No. 20		The control of the co
				Colon Caracia Colonia de Caracia Carac
¹Type: C=C	Concentration, D=Dep	oletion, RM=F	Reduced Matrix, MS=Masked Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	cable to all L	RRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histoso			Polyvalue Below Surface (S8) (LRR S, T, I	
	pipedon (A2)		Thin Dark Surface (S9) (LRR S, T, U) Loamy Mucky Mineral (F1) (LRR O)	2 cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A,B)
	listic (A3) en Sulfide (A4)		Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
	ed Layers (A5)		Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
Organic	Bodies (A6) (LRR F		Redox Dark Surface (F6)	(MLRA 153B)
	ucky Mineral (A7) (L		Depleted Dark Surface (F7)	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
	resence (A8) (LRR l luck (A9) (LRR P, T)		Redox Depressions (F8)  Marl (F10) (LRR U)	Other (Explain in Remarks)
	ed Below Dark Surface		Depleted Ochric (F11) (MLRA 151)	
	ark Surface (A12)		Iron-Manganese Masses (F12) (LRR O, P	,T) <sup>3</sup> Indicators of hydrophytic vegetation and
	Prairie Redox (A16) (			wetland hydrology must be present, unless disturbed or problematic.
	Mucky Mineral (S1) ( Gleyed Matrix (S4)	(LKK U, S)	Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B	
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 1	
Strippe	d Matrix (S6)		Anomalous Bright Loamy Soils (F20) (MLI	RA 149A, 153C, 153D)
	urface (S7) (LRR P,			
Restrictive	I aver (if observed			
	Layer (if observed	);		
Type: _		): 	_	Hudric Sail Present? Yes No
Type: Depth (i				Hydric Soil Present? Yes No
Type: _			_	Hydric Soil Present? Yes No
Type: Depth (i				Hydric Soil Present? Yes No
Type: Depth (i		).		Hydric Soil Present? Yes No
Type: Depth (i		)-		Hydric Soil Present? Yes No
Type: Depth (i		<b>)-</b>		Hydric Soil Present? Yes No
Type: Depth (i		-		Hydric Soil Present? Yes No
Type: Depth (i		<b>J</b>		Hydric Soil Present? Yes No
Type: Depth (i		<b>J-</b>		Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i		<b>J</b>		Hydric Soil Present? Yes No
Type: Depth (i		<b>J-</b>		Hydric Soil Present? Yes No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i		<b>j.</b>		Hydric Soil Present? Yes No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i		<b>j.</b>		Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i				Hydric Soil Present? Yes No No
Type: Depth (i		j.		Hydric Soil Present? Yes No No



Wetland data point wcmo032f\_w facing north.



Wetland data point wcmo032f\_w facing west.

Project/Site: ACP	City/County: Comberland Sampling Date: 4/19/16
Applicant/Owner: Dominion	State: NC Sampling Point: wcmo 032e.
Investigator(s): L. Roper, S. Bryan	Section, Township, Range: None,
Landform (hillslope, terrace, etc.): Flort	Local relief (concave, convex, none): none Slope (%): 0 - Z
Subregion (LRR or MLRA): LRR P Lat: 34.	91657 Long: -78.75484 Datum: WGS84
Soil Map Unit Name: Pactolus loamy sand	
Are climatic / hydrologic conditions on the site typical for this time of year	:
Are Vegetation, Soil, or Hydrology significantly	HE NEW HELD NEW HELD TO THE HELD THE PROPERTY HELD NEW HELD NEW HELD THE HELD HELD TO THE HELD TO THE HELD THE
Are Vegetation, Soil, or Hydrology naturally pro	
SUMMARY OF FINDINGS - Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks: Abnormally dry conditions	
HYDROLOGÝ	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13	
High Water Table (A2)  Harl Deposits (B15)	: 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12
Saturation (A3) Hydrogen Sulfide O	MANGAN LONG LONG HOUSE HOUSE CONTROL
	eres along Living Roots (C3) Dry-Season Water Table (C2)  ed Iron (C4) Crayfish Burrows (C8)
	tion in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)  Thin Muck Surface	5
Iron Deposits (B5) Other (Explain in R	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
☐ Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	· NA
Surface Water Present? Yes No Depth (inches)	(
Water Table Present? Yes No Depth (inches)	: Surface   Wetland Hydrology Present? Yes / No
Saturation Present? Yes No Depth (inches) (includes capillary fringe)	Wetland Hydrology Present? Tes V No
Describe Recorded Data (stream gauge, monitoring well, aerial photo	s, previous inspections), if available:
Remarks:	
portions of wetland in	undated
Por Hora of Walliam	

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

120 120	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft x 30ft)	% Cover Species? Status	Number of Dominant Species 2
1. none		That Are OBL, FACW, or FAC: (A)
2.		Total Number of Dominant
3.		Total Number of Dominant Species Across All Strata:  (B)
This contract with the less than a subject to the section upon the section of the		
4.		Percent of Dominant Species
5.		That Are OBL, FACW, or FAC: (A/B)
6.		Prevalence Index worksheet:
7.	Commence Com	Total % Cover of: Multiply by:
8.		OBL species x1 =
	= Total Cover	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
50% of total cover:	20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30ft x 30ft)		FAC species x 3 =
1. none		FACU species x 4 =
PACE TO A SECURE OF THE PROPERTY OF THE PACE OF THE PA		UPL species x 5 =
2.		Column Totals: (A) (B)
3.		
4. The same and th	all the little design has been all the responsible to the street of the responsible to the contract of the con	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 Vegetation¹ (Explain)
50% of total cover	20% of total cover:	Ti Problematic Hydrophytic Vegetation (Explain)
Herb Stratum (Plot size: 30f4 x 30ft)		the state of the s
1. Juneus effusus	20 Y OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	10 Y FACO+	THE RESEARCH AND ADMINISTRATION OF THE PROPERTY OF THE PROPERT
2. Ludwigia sp		
3. Androsogon glomeratus	15 Y FACW	Tree - vvoody plants, excluding vines, 3 in. (7.6 cm) or 1
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 of size, and woody plants less than 3.28 ft tall.
9		of size, and woody plants less than o.zo it tall.
10.		Woody vine – All woody vines greater than 3.28 ft in
11.	AND A CONTRACTOR OF THE STATE O	height.
12.	<u>, data and a statistical account of </u>	
	45 = Total Cover	And the Control of th
50% of total cover: 22	5 20% of total cover: 9	
Woody Vine Stratum (Plot size: 30ff x 30ff)		
1. hone		
2.		
3.		
5.		Hydrophytic
	= Total Cover	Vegetation
50% of total cover:	20% of total cover:	Present? Yes V No No
Remarks: (If observed, list morphological adaptations bel	AND THE PROPERTY OF STREET AND STREET AND STREET AND STREET AS A STREET AND S	
Tremains. (II observed, list morphological adaptations so	o,.	

SOIL							npling Politi.
Profile Desc	ription: (Describe	to the depth	needed to document the indicat	or or confirm	the absence	of indicators	S.)
Depth	Matrix		Redox Features				Demode
(inches)	Color (moist)	%	Color (moist) % Type	Loc²	<u>Texture</u>		Remarks
0-4	104R41	100			mucky	2L	
4-16	104R2/1	100			L'		
16-20	1048211	100			5		
1000	10 / 1						
	També a resultado a mais palaces.						
					Carlo	The second	
¹Type: C=C	oncentration, D=Der	oletion, RM=F	Reduced Matrix, MS=Masked Sand	Grains.	<sup>2</sup> Location:	PL=Pore Lir	ning, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all L	RRs, unless otherwise noted.)				natic Hydric Soils <sup>3</sup> :
☐ Histosol			Polyvalue Below Surface (S8	(LRR S, T, I	U) 🔲 1 cm l	Muck (A9) (LF	RR 0)
	oipedon (A2)		Thin Dark Surface (S9) (LRR	S, T, U)		Muck (A10) (L	
Black Hi	stic (A3)		Loamy Mucky Mineral (F1) (L	.RR O)			8) (outside MLRA 150A,B)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)				in Soils (F19) (LRR P, S, T)
	Layers (A5)		Depleted Matrix (F3)		THE RESERVE OF THE PROPERTY OF	RA 153B)	Loamy Soils (F20)
	Bodies (A6) (LRR F		Redox Dark Surface (F6)  Depleted Dark Surface (F7)			arent Materia	al (TF2)
	icky Mineral (A7) (L resence (A8) (LRR L		Redox Depressions (F8)				Surface (TF12)
	ick (A9) (LRR P, T)		Mari (F10) (LRR U)			(Explain in R	
	d Below Dark Surface		Depleted Ochric (F11) (MLRA	A 151)			
	ark Surface (A12)		Iron-Manganese Masses (F1	2) (LRR O, P			rophytic vegetation and
Coast P	rairie Redox (A16) (	MLRA 150A)					gy must be present,
	Mucky Mineral (S1) (	(LRR O, S)	Delta Ochric (F17) (MLRA 15			less disturbe	d or problematic.
	Gleyed Matrix (S4)		Reduced Vertic (F18) (MLRA				
770 PROPERTY OF THE REAL PROPERTY AND THE RE	Redox (S5)		Piedmont Floodplain Soils (F Anomalous Bright Loamy So			1530)	
	Matrix (S6) Irface (S7) (LRR P,	e T III	Anomalous Bright Loamly So	iis (FZU) (MILI	A 145A, 155	3, 1330)	
	Layer (if observed						
	Layer (ii observed						/
Type:	NUMBER OF STREET STATES OF STREET	PERSONAL CONTRACTOR			Hydric So	il Present?	Yes No
SE ENTERING MERCANI	ches):	Carlotte Comment			- Inyunio Co		
Remarks:							



Wetland data point wcmo032e\_w facing northwest.



Wetland data point wcmo032e\_w facing west.

Project/Site: ACP City/	county: Comberland Sampling Date: 4119116
Applicant/Owner: Dominion	State: NC Sampling Point: www 032-
Investigator(s): Li Roper, S. Bryan sect	ion, Township, Range: NONC
Landform (hillslope, terrace, etc.): flat Loca  Subregion (LRR or MLRA): LFR P Lat: 34, 911  Soil Map Unit Name: Pactolus loamy Sand	al relief (concave, convex, none): None Slope (%): 0-2
Are climatic / hydrologic conditions on the site typical for this time of year?	: : : : : : : : : : : : : : : : : : :
Are Vegetation, Soil, or Hydrology significantly distu	
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No  Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks: Abnormally dry conditions	
HYDROLOGÝ	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  High Water Table (A2)  High Water Table (A2)  High Water Table (A2)	######################################
Saturation (A3) Hydrogen Sulfide Odor ( Water Marks (B1) Oxidized Rhizospheres	
Sediment Deposits (B2)  Presence of Reduced In	4를 보냈다. 하는 사람들이 가는 사람들이 살아보다는 이번 중에서 하는 사람들이 되었다. 그래 사람들이 되었다면 하는 사람들이 되었다면 하는 것이 없는 것이 없어요.
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in	(1984-1984) : [11] [12] [13] [14] [14] [15] [15] [15] [15] [16] [16] [16] [16] [16] [16] [16] [16
Algal Mat or Crust (B4) Thin Muck Surface (C7)	
Iron Deposits (B5) Under (Explain in Remains	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9) Field Observations:	Sphagnum moss (D8) (LRR T, U)
Surface Water Present? Yes No Depth (inches):	NA
Water Table Present? Yes No Depth (inches):	>20
Saturation Present? Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	
Section 1990 to the Section Section 1990	

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

Time Stratum (Plot size: 30 ft x 30	VEGETATION (1 dai otrata) — ose scientine na	The management is	ptelkinen-Hoo.	Ladicates	Daminana Tast wastabast:
1 Mag notice vire in in Ano 10 Y FACU 7 (A) 2 Chamaecy parts thyprides 20 Y OBL 3 Ny556 5 Y Vantile 10 Y FACU 7 (A) 7 (	Tree Stratum (Plot size: 30++ x30++ x				Dominance Test worksheet:
2 Chemaecy paris thypides 20 Y OBL 70tal Number of Deminant Species Across All Stratal Across Across	· Magnatia virginiana		Y		
10			V		That Are OBE, I ACCO, SI I AC.
Percent of Dominant Species   That Are OBL, FACW, or FAC:   AB	2. Chamaecyparis Thybroes	10	-4		
That Are CBL, FACW, or FAC:   100 (AB)	3. Ny356 Sylvatila	10		FAC	Species Across All Strata: (B)
That Are OBL, FACW, or FAC:   LOC   (AB)	4				Percent of Dominant Species
Prevalence Index worksneet	5.				
Prevalence Index worksneet	6.				
8.	10 CONTROL OF THE PROPERTY OF				Prevalence Index worksheet:
Sanina/Shrub Stratum (Plot size: 30+ x30+ )   Sanina/Shrub Stratum	At a braid construction of the property of a party of the state of the party of the party of the construction of the state of the party of the state				Total % Cover of: Multiply by:
FACW species   X 2 =   FACW species   X 3 =   FACW species   X 3 =   FACW species   X 4 =   FACW species   X 5 =		LID		NAMES OF THE PARTY OF	OBL species x 1 =
Sapiling/Shrub Stratum	70				
Magnotic virginiana   10		20% 0	total cove	r:_ <u>ठ</u> _	
1. Magnotica virginiana 10	Sapling/Shrub Stratum (Plot size: 30++ x30++)				TO DESCRIPTION OF THE SECOND S
2 Fiek (orially 15 Y FACW 3 Cyrilla racemiflora 15 Y FACW 4.   Column Totals: (A) (B)   4.   Frevalence Index = B/A =   5.   Hydrophytic Vegetation Indicators:   J - Rapid Test for Hydrophytic Vegetation   2 Dominance Test is > 50%   3 - Prevalence Index is \$3.0'   Problematic Hydrophytic Vegetation (Explain)   1 NONE   Free Woody plants, excluding vines, as in (7.6 cm) or more in diameter at breast height (DBH), regardless of height.   3	1. Magnolia virginiana	10	4	FACW	
3. CYTIMA FACEMIFIONA S Y FACM 4. Proteins I I I I I I I I I I I I I I I I I I I	2 Flex coringed	15	Y	FACW	
4.	2 Carilla rajemiflora	15	Y	-	Column Totals: (A) (B)
Herb Stratum (Plot size: 30ft x30ft)  Herb Stratum (Plot size: 30ft x30ft)  Solved total cover: 20 20% of total cover: 8  Herb Stratum (Plot size: 30ft x30ft)  Definitions of Four Vegetation Strata:  Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  Sapling/Shrub - Woody plants, excluding vines, 8 in. (1.6 cm) or more in diameter at breast height (DBH), regardless of height.  Sapling/Shrub - Woody plants, excluding vines, 8 in. (1.6 cm) or more in diameter at breast height (DBH), regardless of height.  Woody vines and woody plants less than 3.28 ft (1 m) tall.  Herb - All herbaceous (non-woody) plants, regardless of size, and woody vines greater than 3.28 ft tall.  Woody vine - All woody vines greater than 3.28 ft in height.  Sapling/Shrub - Woody vines greater than 3.28 ft in height.  Herb - All herbaceous (non-woody) plants less than 3.28 ft in height.  Herb - All herbaceous (non-woody) plants less than 3.28 ft in height.  Woody vine - All woody vines greater than 3.28 ft in height.  Yes	AND A STREET OF THE PROPERTY O	200,000,000	-		
6.	Control of the Contro				CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF A CONTRACT OF THE PROPERTY OF TH
7. 8. 9 Total Cover 50% of total cover: 2 0 20% of total cover: 8  Herb Stratum (Plot size: 30ff x 30ff)  1. NONE  2. 0 Finitions of Four Vegetation (Explain)  Definitions of Four Vegetation Strata:  Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  Herb - All herbaceous (non-woody) plants, regardless of size, and woody vines greater than 3.28 ft in height.  Woody Vine Stratum (Plot size: 30ff x 30ff)  1. Smrlax rotunditolia 20 Y FAC  2. 3. 4. 5.					Hydrophytic Vegetation Indicators:
8.	6.				1 - Rapid Test for Hydrophytic Vegetation
8.	7				2 - Dominance Test is >50%
Herb Stratum (Plot size: 30ff x30ff)  1. NDPC  2.					
Herb Stratum (Plot size: 30 ft x 30 ft)   1.   NDNE   20% of total cover: 8   1.   NDNE   1.   NDNE   2.   Definitions of Four Vegetation Strata:   Definitions of Four Vegetation Strata:   Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.   Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.   Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.   Woody vine – All woody vines greater than 3.28 ft in height.   Somilox rotunditolia   Zo y FAC   Somilox rotunditolia   Zo y FAC   Somilox rotunditolia   Zo y FAC   Hydrophytic Vegetation   Yes No		40	= Total Co	VOF	이 그는 사람들은 사람들은 얼마나 사용되었다면서 하셨다면서 하셨다면서 사람들이 되어 보면 되었다면서 그렇게 되었다면서 그 때문에 되었다.
Herb Stratum (Plot size: 30ff x 30ff) 1. NONE 2. Definitions of Four Vegetation Strata: 3. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.    Woody Vine Stratum (Plot size: 30ff x 30ff)   Smillox rotund tolio   Zo y FAC	FOW official course 7.5				Problematic Hydrophytic Vegetation (Explain)
be present, unless disturbed or problematic.  Definitions of Four Vegetation Strata:  Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  Woody vine – All woody vines greater than 3.28 ft in height.  Total Cover  20% of total cover:  Woody Vine Stratum (Plot size: 30ft x 30ft)  Smilex rotunditolia 20 Y FAC  Hydrophytic Vegetation Present? Yes No		20% 0	total cove		
Definitions of Four Vegetation Strata:  3.	To be a supplied to the contract of the contra				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3	1. hone				be present, unless disturbed or problematic.
3	2.				Definitions of Four Vegetation Strata:
4	2008 and the second of the contract of the con				= 141 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5	CONTROL AND A REPORT OF THE PROPERTY OF THE PR				Tree – Woody plants, excluding vines, 3 in. (7.5 cm) of
Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  Woody vine – All woody vines greater than 3.28 ft in height.  Total Cover  50% of total cover:	TO STORE HOLD AND THE STREET HELD AND A STORE AND ADDRESS OF THE STREET HELD AND ADDRESS OF THE				
7	CART   Service   A record of the street of				
8	TOTAL CONTROL OF THE WOOD OF THE WORLD SERVICE				Sapling/Shrub - Woody plants, excluding vines, less
8	7.				than 3 in. DBH and greater than 3.28 ft (1 m) tail.
9					Herb - All herbaceous (non-woody) plants, regardless
10					of size, and woody plants less than 3.28 ft tall.
11	마양 항송 등는 보다 다리나 가는 아이들이는 다른 아이들에서 작가들은 아이들은 아이들은 아이들은 사람들은 사람들이 아이들이 아이들이 아이들이 아니는 아이들이 아니는 아이들이 아니는 아이들이 아니는 사람들이 아니는 아이들이 아니는 아니는 아이들이 아니는 아이들이 아니는 아이들이 아니는 아이들이 아니는 아이들이 아니는				
Total Cover					
= Total Cover			1.000 000 000		neight.
50% of total cover:	12.		Paradonia.		
Woody Vine Stratum       (Plot size: 30f4 x 30f4)         1. Smilax rotunditalia       20 y FAC         2.       3.         4.       4.         5.       20 = Total Cover y Solvential cover: 4         50% of total cover: 10 20% of total cover: 4       Yes ✓ No			= Total Co	ver	To the artist of the control of the
1. <u>Smilax rotunditalia</u> <u>20 Y FAC</u> 2		20% o	f total cove	r:	
1. <u>Smilax rotunditalia</u> <u>20 Y FAC</u> 2	Woody Vine Stratum (Plot size: 30f4 x 30f4)				
2		20	V	FAL	
3	CONTROL OF THE PROPERTY OF THE				
4					
5	3.				
50% of total cover: 10 20% of total cover: 4 Vegetation Present? Yes No	4.				
50% of total cover: 10 20% of total cover: 4 Vegetation Present? Yes No	5.				Hydrophytic
50% of total cover: 10 20% of total cover: 4 Present? Yes V No		20	= Total Co	ver	Vegetation
SECRETE SECURITY AND ASSESSMENT OF THE PROPERTY ASSESSMENT OF THE PRO	EOW of total power: 1 C	Continues and the said		93000 P 000 00	
Remarks: (If observed, list morphological adaptations below).	THE COURT OF THE SECOND	THE RESERVE OF THE RES	total cove	di -	
	Remarks: (If observed, list morphological adaptations belo	w).			

OIL							the character	of indicators )
	ription: (Describe	to the depth				or confirm	the absence	or indicators.)
Depth	Matrix	- 0/		x Feature	Type	Loc²	Texture	Remarks
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	LOC	Commenced Americans	The same of the sa
0-14	10 YR 3/1	100			6 101 (NA)			>30% uncoated sand
14-20	10/123/2	IDD					_5_	
		A STATE OF THE PARTY OF THE PAR	THE RESERVE WAS DITTED BY		77717			
Main con Main		-					A Charles of Parketon	The state of the s
						1000		
						150 (0.127 )		
							2, 100 000	THE PROPERTY OF THE PARTY OF TH
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion, RM=I	Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all L						for Problematic Hydric Soils <sup>3</sup> :
☐ Histosol	(A1)		Polyvalue Be					Muck (A9) (LRR O)
	pipedon (A2)		Thin Dark Su					Muck (A10) (LRR S)
	istic (A3)		Loamy Muck			(0)		ed Vertic (F18) (outside MLRA 150A,B)
THE RESERVE AND ADDRESS OF THE PARTY OF THE	en Sulfide (A4)		Loamy Gleye		(F2)			nont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma				10 The Control of the	alous Bright Loamy Soils (F20)
Cita test City Use Dilbita	Bodies (A6) (LRR F		Redox Dark				10 PER 10	RA 153B) Parent Material (TF2)
	ucky Mineral (A7) (Li		Depleted Date					Shallow Dark Surface (TF12)
100000000000000000000000000000000000000	resence (A8) (LRR L		Redox Depre		0)			(Explain in Remarks)
	uck (A9) (LRR P, T)		Marl (F10) (L Depleted Oc		(MI DA 4	51)	Outer	(Explain in remains)
THE RESERVE AND A STATE OF THE PARTY OF THE	d Below Dark Surfac	e (ATT)	Iron-Mangan				T) <sup>3</sup> India	cators of hydrophytic vegetation and
	ark Surface (A12) rairie Redox (A16) (	MI DA 150A	STATE OF THE PROPERTY OF THE P					tland hydrology must be present,
113-7500-streets-2/601	Mucky Mineral (S1) (		Delta Ochric					less disturbed or problematic.
1. 1014/00/03/90/05/4/20	Gleyed Matrix (S4)	LKK U, 3)	Reduced Ver					
	Redox (S5)		Piedmont Flo					
	d Matrix (S6)						RA 149A, 1530	C. 153D)
	urface (S7) (LRR P,	S T III	III Anomalous E	ongin Loc	ini, come (			
	Layer (if observed)						1 CM107 St 707 St	
	Layer (il observed)							
Type:	entre en						Hudrig Soi	Present? Yes No
CONTRACTOR PRODUCTS	nches):	Contract Variable					Hydric 30i	rresenti res no
Remarks:								
	and the late of the second and the second	er dere pietres ris-Pel in	THE PERSON OF THE PARTY OF THE	La company of the last	Late Core Court of the	Hall Market State Co.	e h a sele remon ha vecto	



Upland data point wcmo032\_u facing south.



Upland data point wcmo032\_u facing southwest.

Applicant/Owner: Denision  Investigator(s): FST (W. Vaughon, K. Markham) Section  Landform (hillslope, terrace, etc.): depression Local  Subregion (LRR or MLRA): LRRP Lat: 34, 878  Soil Map Unit Name: Torhunta and Lynn Haven Soil  Are climatic / hydrologic conditions on the site typical for this time of year? Y  Are Vegetation, Soil, or Hydrology significantly distured to the site of the site of year.	Slope (%):
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?  Remarks:  Ran with 24 hours  Parts in undated - temporary flooding	Is the Sampled Area within a Wetland?  Yes No
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Inon Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Wetland Hydrology Indicators:  Aquatic Fauna (B13)  Marl Deposits (B15) (LRi  Hydrogen Sulfide Odor (included and included and include	C1)
Field Observations:  Surface Water Present? Yes No Depth (inches):	rface Wetland Hydrology Present? Yes No

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

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 35ft , 30ft )	% Cover	Species?	Status	Number of Dominant Species
1. none				That Are OBL, FACW, or FAC: (A)
2				
				Total Number of Dominant Species Across All Strata:  (B)
3				Species Across Ail 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:
0	0	- Total Co		OBL species x 1 =
220 (200)				FACW species x 2 =
50% of total cover:	20% of	total cover		FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30f4 × 30f4)				FACU species x 4 =
1. Mane				
2				UPL species x 5 =
3.				Column Totals: (A) (B)
				199
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8.		-170 900 67187-00		☐ 3 - Prevalence Index is ≤3.0¹
	0	- Total Co	105	
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	20% of	total cover		
Herb Stratum (Plot size: 30ft × 30ft)			C1.	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Pinus taeda	5	No	FAC	be present, unless disturbed or problematic.
2. Rubus argutas		yes	FAC	Definitions of Four Vegetation Strata:
3. Eupatorium Sp.	5	no	UNK	
A A = A	40	yes	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Andropogen virginiens	70			more in diameter at breast height (DBH), regardless of height.
5. Woodwardia Virginica		no	OBL	neight.
6.				Sapling/Shrub - Woody plants, excluding vines, less
7		2017 10 100 200		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
B				Herb – All herbaceous (non-woody) plants, regardless
				of size, and woody plants less than 3.28 ft tall.
9				
10.				Woody vine - All woody vines greater than 3.28 ft in
11.				height.
12				
	70	= Total Co	ver	
50% of total cover: 35	20% of	total cove	. 14	
		total cove		
Woody Vine Stratum (Plot size: 30f4 x 30f4 )				
1. hone				
2				
3.				
4.				
5				Hydrophytic
	0	= Total Co	ver	Vegetation Present? Yes No
50% of total cover:	20% of	total cove	r:	Present? Tes No
Remarks: (If observed, list morphological adaptations belo	w).			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,			
7) in the contract of the cont				

epth inches)	Matrix			x Features					Demodes
miles of the second	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	_Loc²	Texture	>7	Remarks
-6	10yr 2/1	100					<u>SL</u>	140%	Coated
-20	10yr 3/2	80	10yr 4/1	20	D	M	_5		
,								NAME OF TAXABLE PARTY.	
							21	DI - Desa	Ining M-Matrix
pe: C=C	oncentration, D=Dep Indicators: (Applic	oletion, RM=	Reduced Matrix, M	S=Masked	ed \	ins.			Lining, M=Matrix. ematic Hydric Soils <sup>3</sup> :
		able to all	Polyvalue B			RRSTU		Muck (A9) (	
Histosol	pipedon (A2)		Thin Dark S					Muck (A10)	
2000	istic (A3)		Loamy Muci						F18) (outside MLRA 150A
	en Sulfide (A4)		Loamy Gley		(F2)		-		lain Soils (F19) (LRR P, S,
	d Layers (A5)		Depleted Ma						t Loamy Soils (F20)
1.13	Bodies (A6) (LRR F		Redox Dark Depleted Da					.RA 153B) Parent Mate	rial (TF2)
	ucky Mineral (A7) (L resence (A8) (LRR L		Redox Depr						rk Surface (TF12)
	uck (A9) (LRR P, T)	-,	Marl (F10) (	•	-,			(Explain in	
	d Below Dark Surface	ce (A11)	Depleted O						
	ark Surface (A12)		Iron-Manga						ydrophytic vegetation and
	rairie Redox (A16) (				*	, U)			plogy must be present, ned or problematic.
	Mucky Mineral (S1) (	LRR O, S)	Delta Ochrid			0A. 150B)		iless distait	ied of problematic.
	Gleyed Matrix (S4) Redox (S5)		Piedmont F						
	Matrix (S6)						A 149A, 153	C, 153D)	
	urface (S7) (LRR P,	S, T, U)	Second A		a d				
strictive	Layer (if observed)	):							
Type:									
Depth (ir	nches):						Hydric So	il Present	Yes No
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
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Wetland data point wcmr002e\_w facing west.



Wetland data point wcmr002e\_w facing north.

Applicant/Owner: Dominion Investigator(s): EST (K. Markham, W. Vaughan) Section Landform (hillslope, terrace, etc.): drainage Local	relief (concave, convex, none):
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?  Remarks: Rain within 24 hours  NCWAM: Hardwood Flat	Is the Sampled Area within a Wetland? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)	C1)
Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, presents:	Wetland Hydrology Present? Yes No

	Absoluto	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ff x 30ff)		Species?		
Diatis de la contraction de la	-			Number of Dominant Species 5
1. Pinus taeda	<u>80</u>	yes	FAC	That Are OBL, FACW, or FAC: (A)
2. Chamaecyparis throides	15	no	OBL	Total Number of Dominant
3. Liviodendron tulipifera	10	no	FACU	Species Across All Strata: (B)
\$100 Market   100				Species Across Air Strata.
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				
	105	= Total Cov	/er	OBL species x 1 =
50% of total cover: _52.				FACW species x 2 =
	20% 01	total cover		FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30ff x 30ff)				[18] [18] [18] [18] [18] [18] [18] [18]
1. Ilex coriacea	60	yes	FACW	FACU species x 4 =
2. Acer rubrum	<	20	FAC	UPL species x 5 =
				Column Totals: (A) (B)
3. Liriodendron talipifera	10	no	FACU	
4. Persea Dalustris	5	no	PACW	Prevalence Index = B/A =
5. Lyonia lucida	5	no	FACW	
				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8.				
0	00	= Total Cov		☐ 3 - Prevalence Index is ≤3.01
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 47.	5 20% of	total cover	:	
Herb Stratum (Plot size: 30f4 30f4)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Paradian (101 size.	10	1000	OBL	be present, unless disturbed or problematic.
1. Panicum hemitomon	10	400		
2. Quercus nigra	5	ves	FAC	Definitions of Four Vegetation Strata:
3				The state of the s
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
4.				height.
5.				neight.
6	25		·	Sapling/Shrub - Woody plants, excluding vines, less
				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				The same of the same through
8				Herb - All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				tel 1 All
				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12.				
	15	= Total Cov	rer	
50% of total cover: _ 7.5		total cover	-	
	20 /0 01	total cover		
Woody Vine Stratum (Plot size: 30f4 x 30f4)	_			
1. Coelsemium Sempervirens	5	1,05	FAC	
2	Name and Association of the State of the Sta	-/	7740 10 10 10 10	
2.				
3				
4.				
5.				III. In a land
0				Hydrophytic Vegetation
	- 6			
		= Total Cov		
50% of total cover: 2-5				Present? Yes No No
	20% of			
50% of total cover: 2 - 5  Remarks: (If observed, list morphological adaptations below	20% of			
	20% of			

OIL							
Profile Desc	ription: (Describe	to the dept	h needed to docum	ent the indica	ator or confirm	the absence of in	dicators.)
Depth	Matrix			Features			
(inches)	Color (moist)	%	Color (moist)		be Loc2	<u>Texture</u>	
0-8	10yr 2/2	100	*			M S, 1+	
		100				Silty L	
8-12	10yr 2/2	700				<u> </u>	
14							
T C-C	testion D-Do	plotion DM-	Reduced Matrix, MS	-Masked San	d Grains	21 ocation: PL=	Pore Lining, M=Matrix.
Type: C=C	Indicators: (Appli	icable to all	LRRs, unless other	wise noted.)	d Grains.	Indicators for F	Problematic Hydric Soils3:
		cable to all			0) /I DD C T I		(A9) (LRR O)
Histoso				100	8) (LRR S, T, l		(A10) (LRR S)
	pipedon (A2)			rface (S9) (LR		Reduced V	ertic (F18) (outside MLRA 150A,B)
	istic (A3)			y Mineral (F1)	(LRR U)		loodplain Soils (F19) (LRR P, S, T)
	en Sulfide (A4)		Depleted Ma	d Matrix (F2)			Bright Loamy Soils (F20)
	d Layers (A5)	D T II)	Redox Dark			(MLRA 1	-
	: Bodiés (A6) (LRR ucky Mineral (A7) (I			k Surface (F6)			Material (TF2)
	resence (A8) (LRR		Redox Depre				ow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (L				lain in Remarks)
	d Below Dark Surfa			nric (F11) (MLF	RA 151)		
	ark Surface (A12)	100 (1117)			12) (LRR O, P,	T) <sup>3</sup> Indicator:	s of hydrophytic vegetation and
	Prairie Redox (A16)	(MLRA 150A		ce (F13) (LRR		wetland	hydrology must be present,
	Mucky Mineral (S1)			(F17) (MLRA		unless o	disturbed or problematic.
	Gleyed Matrix (S4)	(2 0, 2)			A 150A, 150B	)	
	Redox (S5)				F19) (MLRA 1		
	d Matrix (S6)		Anomalous E	Bright Loamy S	oils (F20) (MLF	RA 149A, 153C, 153	3D)
	urface (S7) (LRR P,	. S. T. U)		100			
	Layer (if observed						
Type:							
	- L	4				Hydric Soil Pre	sent? Yes No
	nches):					1.,, 4	
Remarks:							
CN	R past	12 100	ches				
	1001	12					



Wetland data point wcmr002f\_w facing west.



Wetland data point wcmr002f\_w facing east.

Project/Site: A CR City/Co	ounty: Cemberland Sampling Date: 5-5-16
Applicant/Owner: Dominion	State: NC Sampling Point: Wcmr 002-4
Investigator(s): ESI (W. Vaughan, K. Markham) Section	
Landform (hillslope, terrace, etc.): Hillslope Local re	olief (conseque convex none): Con Max Slone (%): 1-3
Landform (hillslope, terrace, etc.): P171510P2 Local Re	23 Jane 78 790076 Datum: WGS 84
Subregion (LRR or MLRA): LPRT Lat: 34.8768	Long: 78.7100 to Datum. 00000
Soil Map Unit Name: Torhunta and lynn Haven Soil	NWI classification:N
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	s No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed	ed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problemat	ic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing samp	pling point locations, transects, important features, etc.
Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks: Rain within 24 hours powerline sprayed with herbicide	
David com I will herbicide	
powerline sprayed bita	
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	
Saturation (A3) Hydrogen Sulfide Odor (C	1) Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhizospheres ald	
Sediment Deposits (B2) Presence of Reduced Iron	
Drift Deposits (B3)	
Algal Mat or Crust (B4)	Geomorphic Position (D2)
Iron Deposits (B5) Uher (Explain in Remarks	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	☐ Sphagnum moss (D8) (LRR T, U)
Field Observations:  Surface Water Present?  Yes No Depth (inches): NA	
	och et
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ious inspections), if available:
Remarks:	
	¥

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

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft , 30ft )		Species?		Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
1. <u>none</u> 2.				That is a second of the second
3				Total Number of Dominant Species Across All Strata:  (B)
5.				Percent of Dominant Species That Are OBL, FACW, or FAC:
6.				
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
		= Total Cov		OBL species x1 =
50% of total cover:	20% of	total cover:		FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30ft x 30ft)				FAC species x 3 =
1. Pinus taeda	5_	<u> </u>	FAC	FACU species x 4 =
2				UPL species x5 =
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%
B				3 - Prevalence Index is ≤3.0¹
		= Total Cov	er	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 2-5				
Herb Stratum (Plot size: 30ft x 30ft )				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Eupatorium sp.	5	26	NNK	be present, unless disturbed or problematic.
2. Lycopodiella aloperuroides	5	no	OBL	Definitions of Four Vegetation Strata:
3. Andropogon Virginicus			FAC	Some of the Constitution o
4. Euthamia caroliniana		no	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5. Conyza Canadensis		no	FACL	height.
6. gras sp.		yes	NNK	S-W-What Madu slasts evaluding vines less
			De l'al	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 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	70			
50% of total cover: 35		= Total Cov		
	20% of	total cover:	17	
Woody Vine Stratum (Plot size: 30ft - 30ft )				
1. Mone				
2				
3				
4				
5				Hydrophytic
		= Total Cov	er	Vegetation Present? Yes No
50% of total cover:	20% of	total cover:		resent res
Remarks: (If observed, list morphological adaptations below	w).			
Cladonia present				
Unknown grass - not in seed assume	FAC			

Depth			Redo	x Features		rm the absence		
inches)	Matrix Color (moist)	%	Color (moist)		Type Loc2			Remarks
7-7	10yr 2/1	100				LS	>30%	uncoated
1-12	10yr 3/3	100				SL		
2-20	10yr 3/4	100				LS		
	1041 3/7							
ype: C=C ydric Soil Histoso Histic E Black H Hydrog Stratifie Organic 5 cm M Muck F 1 cm M Deplete Thick D Coast F Sandy Sandy Strippe Dark S estrictive	Concentration, D=De Indicators: (Appli I (A1) pipedon (A2) listic (A3) en Sulfide (A4) ed Layers (A5) c Bodies (A6) (LRR ucky Mineral (A7) (LRR uck (A9) (LRR P, T) ed Below Dark Surfa Dark Surface (A12) Prairie Redox (A16) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P, Layer (if observed)	pletion, RM= cable to all I	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 Surfa Delta Ochric Reduced Ve Piedmont Fle Anomalous I	rwise noted flow Surface (S9) ( y Mineral (F) ed Matrix (F) trix (F3) Surface (F6) rk Surface (F6) essions (F8) LRR U) hric (F11) (Nesse Masses ace (F13) (L (F17) (MLR rtic (F18) (Nesodplain Soi	(L) (S8) (LRR S, T LRR S, T, U) (LRR O) (LRR O) (LRR O) (LRR O) (LRR O) (LRR O) (LRR O, RR P, T, U) (LRR O, RR P, T, U) (LRR 151) (LRR 150A, 150	2Location: Indicators  J 1 cm N 2 cm N Reduct Piedm Anoma (MLI Red P Very S Other  P, T)  3Indict we' un!	for Problem fluck (A9) (Li fluck (A10) (I fluck (A1	LRR S) 18) (outside MLRA 150A in Soils (F19) (LRR P, S Loamy Soils (F20) al (TF2) Surface (TF12) Remarks) rophytic vegetation and ogy must be present, d or problematic.
Type:						Hydric Soi	Present?	Yes No
	nches):							
emarks:	ncries):					•		



Upland data point wcmr002\_u facing south.



Upland data point wcmr002\_u facing east.

Applicant/Owner: Denision  Investigator(s): FST (W. Vaughon, K. Markham) Section  Landform (hillslope, terrace, etc.): depression Local  Subregion (LRR or MLRA): LRRP Lat: 34, 878  Soil Map Unit Name: Torhunta and Lynn Haven Soil  Are climatic / hydrologic conditions on the site typical for this time of year? Y  Are Vegetation, Soil, or Hydrology significantly distured to the site of the site of year.	Slope (%):
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?  Remarks:  Ran with 24 hours  Parts in undated - temporary flooding	Is the Sampled Area within a Wetland?  Yes No
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Inon Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Wetland Hydrology (Check all that apply)  Aquatic Fauna (B13)  Marl Deposits (B15) (LR)  Hydrogen Sulfide Odor (Check all that apply)  Oxidized Raizospheres at a check all that apply)  Recent Hydrogen Sulfide Odor (Check all that apply)  Aquatic Fauna (B13)  Marl Deposits (B15) (LR)  Hydrogen Sulfide Odor (Check all that apply)  Marl Deposits (B15) (LR)  Hydrogen Sulfide Odor (Check all that apply)  Aquatic Fauna (B13)  Hydrogen Sulfide Odor (Check all that apply)  Aquatic Fauna (B13)  Hydrogen Sulfide Odor (Check all that apply)  This provides the subject of the check all that apply)  Oxidized Rhizospheres at a check all that apply)	C1)
Field Observations:  Surface Water Present? Yes No Depth (inches):	rface Wetland Hydrology Present? Yes No

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

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 35ft , 30ft )	% Cover	Species?	Status	Number of Dominant Species
1. none				That Are OBL, FACW, or FAC: (A)
2				
				Total Number of Dominant Species Across All Strata:  (B)
3				Species Across Ail 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:
0	0	- Total Co		OBL species x 1 =
220 (200)				FACW species x 2 =
50% of total cover:	20% of	total cover		FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30f4 × 30f4)				FACU species x 4 =
1. Mane				
2				UPL species x 5 =
3.				Column Totals: (A) (B)
				199
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8.		-170 900 67187-00		☐ 3 - Prevalence Index is ≤3.0¹
	0	- Total Co	105	
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	20% of	total cover		
Herb Stratum (Plot size: 30ft × 30ft)			C1.	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Pinus taeda	5	No	FAC	be present, unless disturbed or problematic.
2. Rubus argutas		yes	FAC	Definitions of Four Vegetation Strata:
3. Eupatorium Sp.	5	no	UNK	
A A = A	40	yes	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Andropogen virginiens	70			more in diameter at breast height (DBH), regardless of height.
5. Woodwardia Virginica		no	OBL	neight.
6.				Sapling/Shrub - Woody plants, excluding vines, less
7		2017 10 100 200		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
B				Herb – All herbaceous (non-woody) plants, regardless
				of size, and woody plants less than 3.28 ft tall.
9				
10.				Woody vine - All woody vines greater than 3.28 ft in
11.				height.
12				
	70	= Total Co	ver	
50% of total cover: 35	20% of	total cove	. 14	
		total cove		
Woody Vine Stratum (Plot size: 30f4 x 30f4 )				
1. hone				
2.				
3.				
4.				
5				Hydrophytic
	0	= Total Co	ver	Vegetation Present? Yes No
50% of total cover:	20% of	total cove	r:	Present? Tes No
Remarks: (If observed, list morphological adaptations belo	w).			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,			
7) in the contract of the cont				

epth inches)	Matrix			x Features					Demodes
miles of the second	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	_Loc²	Texture	>7	Remarks
-6	10yr 2/1	100					<u>SL</u>	140%	Coated
-20	10yr 3/2	80	10yr 4/1	20	D	M	_5		
,								NAME OF TAXABLE PARTY.	
							21	DI - Desa	Ining M-Matrix
pe: C=C	oncentration, D=Dep Indicators: (Applic	oletion, RM=	Reduced Matrix, M	S=Masked	ed \	ins.			Lining, M=Matrix. ematic Hydric Soils <sup>3</sup> :
		able to all	Polyvalue B			RRSTU		Muck (A9) (	
Histosol	pipedon (A2)		Thin Dark S					Muck (A10)	
2000	istic (A3)		Loamy Muci						F18) (outside MLRA 150A
	en Sulfide (A4)		Loamy Gley		(F2)		-		lain Soils (F19) (LRR P, S,
	d Layers (A5)		Depleted Ma						t Loamy Soils (F20)
1.13	Bodies (A6) (LRR F		Redox Dark Depleted Da					.RA 153B) Parent Mate	rial (TF2)
	ucky Mineral (A7) (L resence (A8) (LRR L		Redox Depr						rk Surface (TF12)
	uck (A9) (LRR P, T)	-,	Marl (F10) (	•	-,			(Explain in	
	d Below Dark Surface	ce (A11)	Depleted O						
	ark Surface (A12)		Iron-Manga						ydrophytic vegetation and
	rairie Redox (A16) (				*	, U)			plogy must be present, ned or problematic.
	Mucky Mineral (S1) (	LRR O, S)	Delta Ochrid			0A. 150B)		iless distait	led of problematic.
	Gleyed Matrix (S4) Redox (S5)		Piedmont F						
	Matrix (S6)						A 149A, 153	C, 153D)	
	urface (S7) (LRR P,	S, T, U)	Second A		a d				
strictive	Layer (if observed)	):							
Type:									
Depth (ir	nches):				-		Hydric So	il Present	Yes No
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
marks:									
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marks:									



Wetland data point wcmr002e\_w facing west.



Wetland data point wcmr002e\_w facing north.

Applicant/Owner: Dominion Investigator(s): EST (K. Markham, W. Vaughan) Section Landform (hillslope, terrace, etc.): drainage Local	relief (concave, convex, none):
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?  Remarks: Rain within 24 hours  NCWAM: Hardwood Flat	Is the Sampled Area within a Wetland? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)	C1)
Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, presents:	Wetland Hydrology Present? Yes No

	Absoluto	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ff x 30ff)		Species?		
Diatis de la contraction de la	-			Number of Dominant Species 5
1. Pinus taeda	<u>80</u>	yes	FAC	That Are OBL, FACW, or FAC: (A)
2. Chamaecyparis throides	15	no	OBL	Total Number of Dominant
3. Liviodendron tulipifera	10	no	FACU	Species Across All Strata: (B)
\$100 miles   100 m				Species Across Air Strata.
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				
	105	= Total Cov	/er	OBL species x 1 =
50% of total cover: <u>52</u> .				FACW species x 2 =
	20% 01	total cover		FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30ff x 30ff)				[18] [18] [18] [18] [18] [18] [18] [18]
1. Ilex coriacea	60	yes	FACW	FACU species x 4 =
2. Acer rubrum	<	20	FAC	UPL species x 5 =
				Column Totals: (A) (B)
3. Liriodendron talipifera	10	no	FACU	
4. Persea Dalustris	5	no	PACW	Prevalence Index = B/A =
5. Lyonia lucida	5	no	FACW	
				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8.				
0	00	= Total Cov		☐ 3 - Prevalence Index is ≤3.01
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 47.	5 20% of	total cover	:	
Herb Stratum (Plot size: 30f4 30f4)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Paradian (101 size.	10	1000	OBL	be present, unless disturbed or problematic.
1. Panicum hemitomon	10	400		
2. Quercus nigra	5	ves	FAC	Definitions of Four Vegetation Strata:
3				The state of the s
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
4.				height.
5.				neight.
6	25		·	Sapling/Shrub - Woody plants, excluding vines, less
				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				The same of the comment of the same and the same of th
8				Herb - All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				tel 1 All
				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12.				
	15	= Total Cov	rer	
50% of total cover: _ 7.5		total cover	-	
	20 /0 01	total cover		
Woody Vine Stratum (Plot size: 30f4 x 30f4 )	_			
1. Coelsemium Sempervirens	5	1,05	FAC	
2	Name and Association of the State of the Sta	-/	7740 10 10 10 10	
2.				
3				
4.				
5.				III. In a land
0				Hydrophytic Vegetation
	- 6			
		= Total Cov		
50% of total cover: 2-5				Present? Yes No No
	20% of			
50% of total cover: 2 - 5  Remarks: (If observed, list morphological adaptations below	20% of			
	20% of			

OIL							
Profile Desc	ription: (Describe	to the dept	h needed to docum	ent the indica	ator or confirm	the absence of in	dicators.)
Depth	Matrix			Features			
(inches)	Color (moist)	%	Color (moist)		be Loc2	<u>Texture</u>	
0-8	10yr 2/2	100	*			M S, 1+	
		100				Silty L	
8-12	10yr 2/2	700				<u> </u>	
14							
T C-C	testion D-Do	plotion DM-	Reduced Matrix, MS	-Masked San	d Grains	21 ocation: PL=	Pore Lining, M=Matrix.
Type: C=C	Indicators: (Appli	icable to all	LRRs, unless other	wise noted.)	d Grams.	Indicators for F	Problematic Hydric Soils <sup>3</sup> :
		cable to all			0) /I DD C T I		(A9) (LRR O)
Histoso				10 00 00	8) (LRR S, T, l		(A10) (LRR S)
	pipedon (A2)			rface (S9) (LR		Reduced V	ertic (F18) (outside MLRA 150A,B)
	istic (A3)			y Mineral (F1)	(LRR U)		loodplain Soils (F19) (LRR P, S, T)
	en Sulfide (A4)		Depleted Ma	d Matrix (F2)			Bright Loamy Soils (F20)
	d Layers (A5)	D T II)	Redox Dark			(MLRA 1	-
	: Bodiés (A6) (LRR ucky Mineral (A7) (I			k Surface (F6)			Material (TF2)
	resence (A8) (LRR		Redox Depre				ow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (L				lain in Remarks)
	d Below Dark Surfa			nric (F11) (MLF	RA 151)		
	ark Surface (A12)	100 (1117)			12) (LRR O, P,	T) <sup>3</sup> Indicator:	s of hydrophytic vegetation and
	Prairie Redox (A16)	(MLRA 150A		ce (F13) (LRR		wetland	hydrology must be present,
	Mucky Mineral (S1)			(F17) (MLRA		unless o	disturbed or problematic.
	Gleyed Matrix (S4)	(2 0, -)			A 150A, 150B	)	
	Redox (S5)				F19) (MLRA 1		
	d Matrix (S6)		Anomalous E	Bright Loamy S	oils (F20) (MLF	RA 149A, 153C, 153	3D)
	urface (S7) (LRR P,	. S. T. U)		100			
	Layer (if observed						
Type:							
	- L	4				Hydric Soil Pre	sent? Yes No
	nches):				1	1.,, 4	
Remarks:							
CN	R past	12 100	ches				
	1001	12					



Wetland data point wcmr002f\_w facing west.



Wetland data point wcmr002f\_w facing east.

Project/Site: ACR City/County: Comberland	Sampling Date: 5-5-16
Applicant/Owner: Dominion State: \( \)	JC Sampling Point: Wcmr 002-4
Investigator(s): EST (W. Vaughan, K. Markham) Section, Township, Range: None	
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none):	Slone (%): 1-3
Landform (hillstope, terrace, etc.): At 1516 Contrave, convex, none).	076 Datum: WGS84
Subregion (LRR or MLRA): <u>LPRT</u> Lat: <u>34.876802</u> Long: <u>78.790</u>	Datum.
Soil Map Unit Name: Torhunta and lynn Haven Soils NW	classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, exp	lain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstants of the company of the c	ances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any	y answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, trans	nsects, important features, etc.
Wetland Hydrology Present? Yes Vo No No	es No
Remarks: Pain within 24 lance	
Remarks: Rain within 24 hours  powerline sprayed with herbicide	
powerline sprayed between	
HYDROLOGÝ	
	ry Indicators (minimum of two required)
	ace Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	rsely Vegetated Concave Surface (B8)
	nage Patterns (B10)
	s Trim Lines (B16)
Water Marks (B1)	Season Water Table (C2)
- Codminant Deposits ()	rfish Burrows (C8)
E Dint Deposits (DS)	ration Visible on Aerial Imagery (C9)
	morphic Position (D2)
	llow Aquitard (D3)
Hamadan visite divisit magary ()	-Neutral Test (D5) agnum moss (D8) (LRR T, U)
III video diamed and (III)	agridin moss (Do) (Erric 1, D)
Field Observations:  Surface Water Present?  Yes No Depth (inches): A	
Water Table Present? Yes Vo Depth (inches): 8 inches	
Saturation Present? Yes V No Depth (inches): Surface Wetland Hydrology	y Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
	¥

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

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft , 30ft )		Species?		Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
1. <u>none</u> 2.				That is a second of the second
3				Total Number of Dominant Species Across All Strata:  (B)
5.				Percent of Dominant Species That Are OBL, FACW, or FAC:
6				
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
		= Total Cov	er	OBL species x 1 =
50% of total cover:	20% of	total cover:		FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30ft x 30ft)				FAC species x 3 =
1. Pinus taeda	5_	7	FAC	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.			2000	3 - Prevalence Index is ≤3.0¹
		= Total Cov	er	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 2-5				The Problematic Hydrophytic Vegetation (Explain)
Herb Stratum (Plot size: 30ft x 30ft )		total cover.	74	Its diseases of hydric coil and watland hydrology much
1. Eupatorium sp.	.5	26	UNK	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Lycopodiella aloperuroides	5	no	OBL	Definitions of Four Vegetation Strata:
3. Andropogon Virginicus			FAC	Some of the Constitution o
4. Euthamia caroliniana		no	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5. Conyza Canadensis		no	FACU	height.
			NNK	
6. grass sp.		yes	MINIT	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 of size, and woody plants less than 3.28 ft tall.
9				of size, and woody plants less than 5.20 it tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12	75			
26		= Total Cov		
50% of total cover: <u>35</u>	20% of	total cover:	17	
Woody Vine Stratum (Plot size: 30ft - 30ft )				
1. Mone				
2		<del>, , ,</del>		
3				
4				
5				Hydrophytic
		= Total Cov	er	Vegetation Present? Yes No
50% of total cover:	20% of	total cover:		Present? Tes No
Remarks: (If observed, list morphological adaptations belo	w).			
Cladonia present				
Unknown grass - not in seed assume	FAC			

epth	Matrix			Features	ype¹ Loc²	Taxtura	- 5	Remarks
iches)	Color (moist)	1/22	Color (moist)	%T	ype Loc²	Texture LS		uncoated
)-7	10yr 2/1	100					750%	ANCOUTED
- 12	104r 3/3	100				SL		
-20	10yr 3/4	100				LS		
Histosol 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 Se	oncentration, D=Deg Indicators: (Applied I (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) EBodies (A6) (LRR Bucky Mineral (A7) (L resence (A8) (LRR P, T) d Below Dark Surface ark Surface (A12) Prairie Redox (A16) (Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P,	eable to all P, T, U) RR P, T, U) J) De (A11) MLRA 1504 (LRR O, S)	Thin Dark Sull Loamy Mucky Loamy Mucky Loamy Gleye Depleted Mart Redox Dark S Depleted Dar Redox Depre Mart (F10) (L Depleted Oct Iron-Mangani Umbric Surfa Delta Ochric Reduced Ver Piedmont Flo	wise noted. low Surface rface (S9) (L r Mineral (F1 d Matrix (F2) rix (F3) Surface (F6) k Surface (F6) k Surface (F8) RR U) nric (F11) (M ese Masses ce (F13) (LR (F17) (MLR tic (F18) (ML odplain Soils	(S8) (LRR S, T, RR S, T, U) (LRR O) 7) LRA 151) (F12) (LRR O, P R P, T, U)	Indicators  U) 1 cm N 2 cm N Reduc Piedm Anoma (MLi Red Pi Very S Other  1, T) 3Indic wet unl  1, 49A)	Muck (A9) (LRR Muck (A10) (LR ed Vertic (F18) ont Floodplain alous Bright Loo RA 153B) arent Material ( shallow Dark St (Explain in Rer cators of hydrology ess disturbed o	ic Hydric Soils <sup>3</sup> :  (O)  R S) (outside MLRA 150A,B Soils (F19) (LRR P, S, T) amy Soils (F20)  (TF2) urface (TF12) narks)  chytic vegetation and must be present,
strictive	Layer (if observed							
Type:						Undel - Call	Dracant?	res No
Depth (ir	nches):					Hydric Soil	Flesenti	63 110
,								



Upland data point wcmr002\_u facing south.



Upland data point wcmr002\_u facing east.

Project/Site: ACP City/County: Cumberland Sampling Date: 5-5-16
Project/Site: ACP City/County: Cumberland Sampling Date: 5-5-16  Applicant/Owner: Dominion State: NC Sampling Point: work cole-w
Applicant/Owner: Dominion State: NC Sampling Point: work cole-w Investigator(s): ESI (W. Vaughan, K. Markham) Section, Township, Range: None
Landform (hillslope, terrace, etc.): toe of Slope Local relief (concave, convex, none): Concave Slope (%): 1-3
Subregion (LRR or MLRA): <u>LRP</u> Lat: <u>34.878187</u> Long: <u>78.793855</u> Datum: <u>WGS84</u>
Soil Map Unit Name: Tochunta and Lynn Haven Soils NWI classification: PEM
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? Yes No
Remarks: Rain within 24 hours
Fair Organ 24 1000
HYDROLOGY
Wetland Hydrology Indicators:  Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  Aquatic Fauna (B13)  Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (LRR U)  Drainage Patterns (B10)  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) Uher (Explain in Remarks) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  FAC-Neutral Test (D5)  Sphagnum moss (D8) (LRR T, U)
Water-Stained Leaves (B9)  Field Observations:
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes / No Depth (inches): 16 inches
Saturation Present? Yes V No Depth (inches): Surface Wetland Hydrology Present? Yes No
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
Nemana.

Sampling Point:	Wemr	001	e-w
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	Absolute	Dominan	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30A x 30A )  1. None	% Cover	Species'	Status	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2				Total Number of Dominant Species Across All Strata:(B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
0.	0	= Total Co	ver	OBL species x 1 =
50% of total cover:				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30ft = 30ft )	30.755 (2.540.0)			FAC species x 3 =
1. hone				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%
B	0			☐ 3 - Prevalence Index is ≤3.0¹
50% of total cover:				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Herb Stratum (Plot size: 30ft x 30ft )	20 % 01	total cove		11. If a to a of budging it and watered budgelogy must
1. Carex Verrucosa	80	Y	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Eupatorium *p.	20		MAK.	Definitions of Four Vegetation Strata:
3. Dichanthelium Scopanium	1.	N	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Galium tinctorium		7	FACW	more in diameter at breast height (DBH), regardless of height.
5				
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.
9				
11.	1.000			Woody vine – All woody vines greater than 3.28 ft in height.
12.				
	102	= Total Co	ver ,	
50% of total cover: 51	20% of	total cove	20.4	
Woody Vine Stratum (Plot size: 30Pt x 30Pt )				
1. Mone				
2.				
3				
4				
5				Hydrophytic
		= Total Co		Vegetation Present? Yes No
50% of total cover:	20% of	total cove	r:	77050111
Remarks: (If observed, list morphological adaptations below	ow).			
Herbicide treatment				

epth	Matrix		needed to docum Redox	Features			D-made-
ches)	Color (moist)	%	Color (moist)		ype¹ Loc²	Texture	Remarks
20	10yr 2/1	100				SiltyL	
	concentration, D=Dep		Poduced Matrix MS	-Masked Sa	nd Grains	²l ocation: Pl =	Pore Lining, M=Matrix.
dric Soil	Indicators: (Applic	cable to all L	RRs, unless other	wise noted.)	na Crains.		Problematic Hydric Soils <sup>3</sup> :
Histoso			Polyvalue Be	low Surface (	S8) (LRR S, T, L		(A9) (LRR O)
Histic E	pipedon (A2)		Thin Dark Su			2 cm Muck	(A10) (LRR S) ertic (F18) (outside MLRA 150A,B)
	listic (A3)		Loamy Mucky Loamy Gleye				loodplain Soils (F19) (LRR P, S, T)
	en Sulfide (A4) ed Layers (A5)		Depleted Mat				Bright Loamy Soils (F20)
	Bodies (A6) (LRR F	P, T, U)	Redox Dark			(MLRA 1	53B)
5 cm M	ucky Mineral (A7) (L	RR P, T, U)	Depleted Dar		7)		Material (TF2)
	resence (A8) (LRR I		Redox Depre				w Dark Surface (TF12) ain in Remarks)
	uck (A9) (LRR P, T)		Marl (F10) (L Depleted Oct		RA 151)	U Other (Exp	all III Relians)
	ed Below Dark Surface (A12)	ce (ATT)			F12) (LRR O, P,	T) <sup>3</sup> Indicators	of hydrophytic vegetation and
Coast F	Prairie Redox (A16) (	MLRA 150A				wetland	hydrology must be present,
	Mucky Mineral (S1)		Delta Ochric	(F17) (MLRA	151)		listurbed or problematic.
	Gleyed Matrix (S4)				RA 150A, 150B)		
	Redox (S5)		Piedmont Flo	odplain Soils	(F19) (MLRA 14	19A) RA 149A, 153C, 153	RD)
	d Matrix (S6) urface (S7) (LRR P,	STIN	Anomalous E	ingnit Loamy	50115 (F20) (WILE	(4 1454, 1550, 15	,,,
	Layer (if observed		The second second second				
the second secon	nches):					Hydric Soil Pre	sent? Yes No
emarks:					10		the second section of the section of



Wetland data point wcmr001e\_w facing north.



Wetland data point wcmr001e\_w facing east.

Project/Site: ACP City/C	County: Cumberland Sampling Date: 5-5-16					
Applicant/Owner: Dominion	State: NC Sampling Point: Wcme0014-W					
Investigator(s): ESI (W. Vaushan, K. Markham) Section	on, Township, Range: Nonc					
Landform (hillstone terrace etc.): (Ca. 10886 Local	relief (concave, convex, none); Concave Slope (%): 3-5					
Salarin (IIIII Sope, terrace, etc.). STA	78.36 Long: 78 79.3909 Datum: WGS84					
Landform (hillslope, terrace, etc.): drainage Local relief (concave, convex, none): Concave Slope (%): 3-5 Subregion (LRR or MLRA): LRRT Lat: 34.877836 Long: 78,793909 Datum: WGS84 Soil Map Unit Name: Dcloss loam NWI classification: PFO						
Soil Map Unit Name: Deloss loam						
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	atic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing san	apling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area					
Hydric Soil Present? Yes No	within a Wetland? Yes No					
Wetland Hydrology Present? Yes No						
Remarks: Rain Within 24 hours						
NCWAM: Hardwood Flat						
V						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)					
High Water Table (A2)  Marl Deposits (B15) (LR						
Saturation (A3) Hydrogen Sulfide Odor (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii						
Sediment Deposits (B2)  Drift Deposits (B3)  Presence of Reduced Iro  Recent Iron Reduction in						
Algal Mat or Crust (B4)  Thin Muck Surface (C7)						
Iron Deposits (B5) Other (Explain in Remark	T					
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)					
☐ Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)					
Field Observations:						
Surface Water Present? Yes No Depth (inches): No	<del>A</del>					
Water Table Present? Yes No Depth (inches): _/D	Orinches Wetland Hydrology Present? Yes No					
Saturation Present? Yes No Depth (inches): _Substitute	Wetland Hydrology Present? Tes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						

2-01 - 01		Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 3011 x 3011)		Species		Number of Dominant Species	
1. Pinus taeda	20	yes	FAC	That Are OBL, FACW, or FAC: (/	A)
2. Liquidamber Styraciflua	40	yes	FAC	Total Number of Dominant	
3. Quercus nigra	10	no	FAC		B)
4. Nyssa sylvatica	10	no	FAC		
				Percent of Dominant Species That Are ORL FACW or FAC	A/B)
5				That Are OBL, FACW, or FAC:	AVB)
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply by:	
8				OBL species x1 =	
		= Total Co			
50% of total cover:	10 20% 0	f total cove	r: 16	FACW species x 2 =	
Sapling/Shrub Stratum (Plot size: 30f1 × 30f1)				FAC species x 3 =	
1 Perses Colustric	25	yes	FACW	FACU species x 4 =	
1. Persea palustris	5	no	FAC	UPL species x 5 =	
				Column Totals: (A)	(B)
3. Clethra alnifolia	7 -	yes	FACW		
4. Arundinaria gigantea	30	yes	FACW	Prevalence Index = B/A =	
5				Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegetation	
7				2 - Dominance Test is >50%	
8.		42 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	2004	3 - Prevalence Index is ≤3.0¹	
0.		= Total Co	Ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
50% of total cover:				Problematic Hydrophytic Vegetation (Explain)	,
	20% 0	i total cove			
Herb Stratum (Plot size: 30ft x 30ft )	P**		501	Indicators of hydric soil and wetland hydrology mu	ıst
1. Osmunda spectabilis 2. Clethra alnifolia		yes	0151	be present, unless disturbed or problematic.	
2. Clethra alnifolia	10	yes	FACW	Definitions of Four Vegetation Strata:	
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm	n) or
4.				more in diameter at breast height (DBH), regardles	ss of
5.			*	height.	
				a state to the total and discussions to	
6				Sapling/Shrub – Woody plants, excluding vines, lethan 3 in. DBH and greater than 3.28 ft (1 m) tall.	ess
7				than 5 m. Don and greater than 6.25 k (1 m) tam	
8				Herb - All herbaceous (non-woody) plants, regard	lless
9				of size, and woody plants less than 3.28 ft tall.	
10				Woody vine - All woody vines greater than 3.28 ft	t in
11				height.	•
12					
12.	15	T-1-1 C-			
7	_	= Total Co			
50% of total cover: 7.	<u> </u>	f total cove	r:_5_		
Woody Vine Stratum (Plot size: 30ft x 30ft )			File		
1. Vitis rotundifolia	50	ves	TAC		
2. Smilax rotund: folia	10	00	FAC		
3. Smilax glauca	5	no	FAC		
4					
<u>-</u>				10 B	
5				Hydrophytic	
		= Total Co		Vegetation Present? Yes No	
50% of total cover: <u>32</u>	.5 20% o	f total cove	r: <u>13</u>	Tresent res	
Remarks: (If observed, list morphological adaptations be	elow).				
Training (ii dood tod, iii marpharagean areparate					

Profile Des	cription: (Describe	to the dept	h needed to docur	ment the i	ndicator	or confirm	n the absence of inc	dicators.)
Depth	Matrix	%	Color (moist)	x Features		Loc²	Texture	Remarks
(inches)	Color (moist)	100	Color (moist)		TAbe	LOC	MSL	romano
	10 yr 2/1						5L	
4-20	10xc2/1	100						
¹Type: C=C	Concentration, D=De	pletion, RM=	Reduced Matrix, M	S=Masked	Sand Gr	ains.		Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to all						roblematic Hydric Soils <sup>3</sup> :
☐ Histoso			Polyvalue Be					(A9) (LRR O)
	pipedon (A2)		Thin Dark So					(A10) (LRR S) ertic (F18) (outside MLRA 150A,B)
	listic (A3) en Sulfide (A4)		Loamy Gley			. 0,		loodplain Soils (F19) (LRR P, S, T)
	ed Layers (A5)		Depleted Ma		. –,			Bright Loamy Soils (F20)
	Bodies (A6) (LRR	P, T, U)	Redox Dark	The state of the s			(MLRA 1	
	lucky Mineral (A7) (I							Material (TF2) w Dark Surface (TF12)
	resence (A8) (LRR luck (A9) (LRR P, T		Redox Depr		8)			ain in Remarks)
-	ed Below Dark Surfa		Depleted Oc		(MLRA 1	51)		•
10 / 5 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1	Dark Surface (A12)	, ,	☐ Iron-Mangar	nese Mass	es (F12) (	LRR O, P		of hydrophytic vegetation and
	Prairie Redox (A16)					', U)		hydrology must be present,
	Mucky Mineral (S1)	(LRR O, S)	Delta Ochric			nA 150B		listurbed or problematic.
920,000,800,000,000	Gleyed Matrix (S4) Redox (S5)		Piedmont FI					
400000000000000000000000000000000000000	ed Matrix (S6)						RA 149A, 153C, 153	ID)
☐ Dark S	urface (S7) (LRR P.		2 2 1					
Restrictive	Layer (if observed	i):						
Type: _								v / v-
Depth (i	nches):						Hydric Soil Pres	sent? Yes No No
Remarks:								
1								



Wetland data point wcmr001f\_w facing northwest.



Wetland data point wcmr001f\_w facing northeast.

Project/Site: ACP City/C	County: Cumberland Sampling Date: 5-5-16
Applicant/Ourse: Daminian	State: NC Sampling Point: WOMF 001_U
Investigator(s): ESI(W. Vaughan, K. Markham) Section	on Township Range: None
Landform (hillslope, terrace, etc.): hillslope Local	relief (concave, convex, none): COOVEX Slope (%): S-7
Subregion (LRR or MLRA): LRRT Lat: 34.877	1963 Long: 78 793811 Datum: WGS84
	NWI classification: NA
Soil Map Unit Name: Deloss loam  Are climatic / hydrologic conditions on the site typical for this time of year? Y	(V) Liassincation.
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 same	apling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Hydric Soil Present?  Wetland Hydrology Present?  Remarks: D	within a Wetland? Yes No
Remarks: Rain within 24 Hours	
Lain string	
LIVEROLOGY.	
HYDROLOGY	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)  Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  High Water Table (A2)  High Water Table (A2)	
Saturation (A3)  Hydrogen Sulfide Odor (C	
☐ Water Marks (B1) ☐ Oxidized Rhizospheres a	
Sediment Deposits (B2)  Presence of Reduced Iro	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
Drift Deposits (B3)	
Algal Mat or Crust (B4)  Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Unique to Deposit (B5) Unique to Deposit (B5)	ks)
Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches):/	A
Water Table Present? Yes No Depth (inches): 22	Loincher
Saturation Present? Yes No Depth (inches): >2	O inches Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
besome Necolded Bata (Stream gadge, monitoring went, asian protest, p. 1	
Remarks:	
2	

5 6.	Absolute	Dominar	t Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30f+ x30f+)		Species	? Status	Number of Dominant Species
1. Quercus nigra	50	yes	FAC	That Are OBL, FACW, or FAC:(A)
2. Quercus alba	20	Yes	FACU	- 111 - 1 - 15 - i 1
3. Pinus taeda	25	yes		Total Number of Dominant Species Across All Strata: (B)
				Species Across All Strata: (B)
4				Percent of Dominant Species 75
5				That Are OBL, FACW, or FAC:
6				
7.				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
8	95			OBL species x 1 =
/				FACW species x 2 =
50% of total cover: <u>47.5</u>	20% of	total cove	er: <u>19</u>	
Sapling/Shrub Stratum (Plot size: 30P+ ×30F+)				FAC species x 3 =
1. Quercus nigra	25	ves	FAC	FACU species x 4 =
				UPL species x 5 =
2				Column Totals: (A) (B)
3				
4				Prevalence Index = B/A =
5.				Hydrophytic Vegetation Indicators:
6.				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.01
	25		-	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: _12.5	20% of	total cove	er:5	
Herb Stratum (Plot size: 30f4 × 30f4 )				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Quercus nigra	5	yes	FAC	be present, unless disturbed or problematic.
Dieters Trigita		700	FACU	Definitions of Four Vegetation Strata:
2. Quereus alba		110		Definitions of Four Vegetation Strata.
3. Chimaghila maculata		no	UPL	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5.				height.
	the state of the s			Sapling/Shrub - Woody plants, excluding vines, less
6				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
-				height.
11		-		Height.
12				
		= Total Co		
50% of total cover:3.5	20% of	total cove	er: <u>1. 4</u>	
Woody Vine Stratum (Plot size: 30ft × 30ff )				
1. Vitis rotundifolia	5	yes	FAC	
	<u> </u>	-	FAC	
2. Smilax glacica		no		
3. Lonicera japonica		yes	FACU	
4. Gelsemium sempervirens	2	yes	FAC	
5.				Hydrophytic
J	10	T-1-10		Variation
		= Total Co		Present? Yes No No
50% of total cover: 5	20% of	f total cove	er:	11000111
Remarks: (If observed, list morphological adaptations belo	w).			

Depth	Matrix			x Features		the absence of inc	
nches)	Color (moist)	%	Color (moist)	% Type	Loc²	Texture	Remarks
-16	2.5, 3/3	100				LS	
-20	10 yr 5/3	100				5	
-20	1046 3/3	700					
ype: C=0	Concentration, D=D	epletion, RM:	=Reduced Matrix, M	S=Masked Sand (	Grains.		Pore Lining, M=Matrix.
ydric Soi	il Indicators: (App	licable to all	LRRs, unless othe				roblematic Hydric Soils <sup>3</sup> :
Histos	ol (A1)			elow Surface (S8)			A9) (LRR O)
Histic I	Epipedon (A2)			urface (S9) (LRR			A10) (LRR S)
	Histic (A3)			y Mineral (F1) (LI	RR O)		rtic (F18) (outside MLRA 150A,B)
	gen Sulfide (A4)			ed Matrix (F2)		-	oodplain Soils (F19) (LRR P, S, T)
	ed Layers (A5)		Depleted Ma				Bright Loamy Soils (F20)
	ic Bodies (A6) (LRR		-	Surface (F6)		C (MLRA 15	Material (TF2)
	Mucky Mineral (A7) (		Territoria de la companya della companya della companya de la companya della comp	rk Surface (F7) essions (F8)			w Dark Surface (TF12)
_	Presence (A8) (LRR		Marl (F10) (				ain in Remarks)
	Muck (A9) (LRR P, 1 ted Below Dark Surf			hric (F11) (MLRA	151)		
	Dark Surface (A12)	acc (ATT)		nese Masses (F12		T) Indicators	of hydrophytic vegetation and
_	Prairie Redox (A16)	(MLRA 150		ace (F13) (LRR P		wetland	hydrology must be present,
	Mucky Mineral (S1			(F17) (MLRA 15		unless d	sturbed or problematic.
	Gleyed Matrix (S4)			rtic (F18) (MLRA		)	
	Redox (S5)			oodplain Soils (F1			
The state of the s	ed Matrix (S6)		Anomalous	Bright Loamy Soil	s (F20) (MLF	RA 149A, 153C, 153	D)
Dark S	Surface (S7) (LRR F	, S, T, U)		B			
lestrictiv	e Layer (if observe	d):					
Type: _	9 9 9 9						1
Depth (	inches):		<u> </u>			Hydric Soil Pres	sent? Yes No
Remarks:							



Upland data point wcmr001\_u facing southeast.



Upland data point wcmr001\_u facing northeast.

Project/Site: ACP City/County: Cumberland Sampling Date: 5-5-16						
Project/Site: ACP City/County: Cumberland Sampling Date: 5-5-16  Applicant/Owner: Dominion State: NC Sampling Point: work cole-w						
Applicant/Owner: Dominion State: NC Sampling Point: work cole-w Investigator(s): ESI (W. Vaughan, K. Markham) Section, Township, Range: None						
Landform (hillslope, terrace, etc.): +oe of Slope Local relief (concave, convex, none): Concave Slope (%): 1-3						
Subregion (LRR or MLRA): <u>LRRP</u> Lat: <u>34.878187</u> Long: <u>78.793855</u> Datum: <u>WGS84</u>						
Soil Map Unit Name: Torhunta and Lynn Haven Soils NWI classification: PEM						
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? Yes No						
Remarks: Rain within 24 hours						
Fair Organ 24 1000						
HYDROLOGY						
Wetland Hydrology Indicators:  Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  Aquatic Fauna (B13)  Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2)  Marl Deposits (B15) (LRR U)  Drainage Patterns (B10)  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) Under (Explain in Remarks) Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  FAC-Neutral Test (D5)  Sphagnum moss (D8) (LRR T, U)						
Water-Stained Leaves (B9)  Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes / No Depth (inches): 16 inches						
Saturation Present? Yes V No Depth (inches): Surface Wetland Hydrology Present? Yes No						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						
Nemana.						

Sampling Point:	Wemr	001	e-w
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	Absolute	Dominan	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30A x 30A )  1. None	% Cover	Species'	Status	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2				Total Number of Dominant Species Across All Strata:(B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
0.	0	= Total Co	ver	OBL species x 1 =
50% of total cover:				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30ft = 30ft )	30.755 (2.540)			FAC species x 3 =
1. hone				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%
B	0			☐ 3 - Prevalence Index is ≤3.0¹
50% of total cover:				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Herb Stratum (Plot size: 30ft x 30ft )	20 % 01	total cove		11. If a to a of budging it and watered budgelogy must
1. Carex Verrucosa	80	Y	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Eupatorium *p.	20		MAK.	Definitions of Four Vegetation Strata:
3. Dichanthelium Scopanium	1.	N	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Galium tinctorium		7	FACW	more in diameter at breast height (DBH), regardless of height.
5				
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.
9				
11.	1.000			Woody vine – All woody vines greater than 3.28 ft in height.
12.				
	102	= Total Co	ver ,	
50% of total cover: 51	20% of	total cove	20.4	
Woody Vine Stratum (Plot size: 30Pt x 30Pt )				
1. Mone				
2.				
3				
4				
5				Hydrophytic
		= Total Co		Vegetation Present? Yes No
50% of total cover:	20% of	total cove	r:	7700000
Remarks: (If observed, list morphological adaptations below	ow).			
Herbicide treatment				

epth	Matrix		needed to docum Redox	Features			D-made-
ches)	Color (moist)	%	Color (moist)		ype¹ Loc²	Texture	Remarks
20	10yr 2/1	100				SiltyL	
	concentration, D=Dep		Poduced Matrix MS	-Masked Sa	nd Grains	²l ocation: Pl =	Pore Lining, M=Matrix.
dric Soil	Indicators: (Applic	cable to all L	RRs, unless other	wise noted.)	na Crains.		Problematic Hydric Soils <sup>3</sup> :
Histoso			Polyvalue Be	low Surface (	S8) (LRR S, T, L		(A9) (LRR O)
Histic E	pipedon (A2)		Thin Dark Su			2 cm Muck	(A10) (LRR S) ertic (F18) (outside MLRA 150A,B)
	listic (A3)		Loamy Mucky Loamy Gleye				loodplain Soils (F19) (LRR P, S, T)
	en Sulfide (A4) ed Layers (A5)		Depleted Mat				Bright Loamy Soils (F20)
	Bodies (A6) (LRR F	P, T, U)	Redox Dark			(MLRA 1	53B)
5 cm M	ucky Mineral (A7) (L	RR P, T, U)	Depleted Dar		7)		Material (TF2)
	resence (A8) (LRR I		Redox Depre				w Dark Surface (TF12) ain in Remarks)
	uck (A9) (LRR P, T)		Marl (F10) (L Depleted Oct		RA 151)	U Other (Exp	all III Relians)
	ed Below Dark Surface (A12)	ce (ATT)			F12) (LRR O, P,	T) <sup>3</sup> Indicators	of hydrophytic vegetation and
Coast F	Prairie Redox (A16) (	MLRA 150A				wetland	hydrology must be present,
	Mucky Mineral (S1)		Delta Ochric	(F17) (MLRA	151)		listurbed or problematic.
	Gleyed Matrix (S4)				RA 150A, 150B)		
	Redox (S5)		Piedmont Flo	odplain Soils	(F19) (MLRA 14	19A) RA 149A, 153C, 153	RD)
	d Matrix (S6) urface (S7) (LRR P,	STIN	Anomalous E	ingnit Loamy	50115 (F20) (WILE	(4 1454, 1550, 15	,,,
	Layer (if observed		The second second second				
the second secon	nches):					Hydric Soil Pre	sent? Yes No
emarks:					10		the second section of the section of



Wetland data point wcmr001e\_w facing north.



Wetland data point wcmr001e\_w facing east.

Project/Site: ACP City/C	County: Cumberland Sampling Date: 5-5-16					
Applicant/Owner: Dominion	State: NC Sampling Point: Wcme0014-W					
Investigator(s): ESI (W. Vaushan, K. Markham) Section	on, Township, Range: Nonc					
Landform (hillstone terrace etc.): (Ca. 10886 Local	relief (concave, convex, none); Concave Slope (%): 3-5					
Salarin (IIIII Sope, terrace, etc.). STA	78.36 Long: 78 79.3909 Datum: WGS84					
Landform (hillslope, terrace, etc.): drainage Local relief (concave, convex, none): Concave Slope (%): 3-5 Subregion (LRR or MLRA): LRRT Lat: 34.877836 Long: 78,793909 Datum: WGS84 Soil Map Unit Name: Dcloss loam NWI classification: PFO						
Soil Map Unit Name: Deloss loam						
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	atic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing san	apling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area					
Hydric Soil Present? Yes No	within a Wetland? Yes No					
Wetland Hydrology Present? Yes No						
Remarks: Rain Within 24 hours						
NCWAM: Hardwood Flat						
V						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)					
High Water Table (A2)  Marl Deposits (B15) (LR						
Saturation (A3) Hydrogen Sulfide Odor (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii						
Sediment Deposits (B2)  Drift Deposits (B3)  Presence of Reduced Iro  Recent Iron Reduction in						
Algal Mat or Crust (B4)  Thin Muck Surface (C7)						
Iron Deposits (B5) Other (Explain in Remark	T					
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)					
☐ Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)					
Field Observations:						
Surface Water Present? Yes No Depth (inches): No	<del>A</del>					
Water Table Present? Yes No Depth (inches): _/D	Orinches Wetland Hydrology Present? Yes No					
Saturation Present? Yes No Depth (inches): _Substitute	Wetland Hydrology Present? Tes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						

2-01 - 01		Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 3011 x 3011)		Species		Number of Dominant Species	
1. Pinus taeda	20	yes	FAC	That Are OBL, FACW, or FAC: (	A)
2. Liquidamber Styraciflua	40	yes	FAC	Total Number of Dominant	
3. Quercus nigra	10	no	FAC		B)
4. Nyssa sylvatica	10	no	FAC		
				Percent of Dominant Species That Are ORL FACW or FAC:	A/B)
5				That Are OBL, FACW, or FAC:	AVB)
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply by:	
8				OBL species x 1 =	
		= Total Co		[1] The CONTROL OF STATE OF THE CONTROL OF THE CONT	
50% of total cover:	10 20% 0	f total cove	1: 16	FACW species x 2 =	
Sapling/Shrub Stratum (Plot size: 30f1 × 30f1)				FAC species x 3 =	
1 Perses Colustric	25	yes	FACW	FACU species x 4 =	
1. Persea palustris	5	no	FAC	UPL species x 5 =	
				Column Totals: (A)	(B)
3. Clethra alnifolia	7 -	yes	FACW		
4. Arundinaria gigantea	30	yes	FACW	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	
0		= Total Co	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
50% of total cover:				Problematic Hydrophytic Vegetation (Explain)	,
	20% 0	i total cove	- 60		
Herb Stratum (Plot size: 30ft x 30ft )	<i>p</i> -		501	Indicators of hydric soil and wetland hydrology mu	ıst
1. Osmunda spectabilis		yes	0151	be present, unless disturbed or problematic.	
1. Osmunda spectabilis 2. Clethra alnifolia	10	yes	FACW	Definitions of Four Vegetation Strata:	
3				Tree - Woody plants, excluding vines, 3 in. (7.6 cr	n) or
4.				more in diameter at breast height (DBH), regardles	ss of
5.			*	height.	
				a water to the trade and discussions to	
6				Sapling/Shrub - Woody plants, excluding vines, I than 3 in. DBH and greater than 3.28 ft (1 m) tall.	ess
7				than 5 m. Don and greater than 5.25 k (1 m) tam	
8				Herb - All herbaceous (non-woody) plants, regard	lless
9				of size, and woody plants less than 3.28 ft tall.	
10				Woody vine - All woody vines greater than 3.28 ft	t in
11				height.	•
12				, and a second s	
12.	15	T-1-1 C-		2000	
7	_	= Total Co			
50% of total cover: 7.	<u> </u>	f total cove	r: _ <u>5</u>		
Woody Vine Stratum (Plot size: 30ft x 30ft )			File		
1. Vitis rotundifolia	50	ves	1-A-C		
2. Smilax rotund: folia	10	00	FAC		
3. Smilax glauca	5	no	FAC		
4					
4				12.40 mm 150 mm	
5				Hydrophytic	
		= Total Co		Vegetation Present? Yes No	
50% of total cover: 32	.5 20% o	f total cove	r:_13	Tresent Tes	
Remarks: (If observed, list morphological adaptations be	elow).				
Training (ii dood tod, iii marpharagean areparate					

Profile Des	cription: (Describe	to the dept	h needed to docur	ment the i	ndicator	or confirm	n the absence of inc	dicators.)
Depth	Matrix	%	Color (moist)	x Features		Loc²	Texture	Remarks
(inches)	Color (moist)	100	Color (Holst)		TAbe		MSL	romano
	10 yr 2/1						5L	
4-20	10xc 2/1	100						
¹Type: C=0	Concentration, D=De	pletion, RM=	Reduced Matrix, M	S=Masked	Sand Gr	ains.		Pore Lining, M=Matrix.
Hydric Soi	Indicators: (Appli	cable to all						Problematic Hydric Soils <sup>3</sup> :
☐ Histoso			Polyvalue Be					(A9) (LRR O)
	Epipedon (A2)		Thin Dark So					(A10) (LRR S) ertic (F18) (outside MLRA 150A,B)
	Histic (A3) gen Sulfide (A4)		Loamy Gley			. 0,		loodplain Soils (F19) (LRR P, S, T)
	ed Layers (A5)		Depleted Ma		. –,			Bright Loamy Soils (F20)
	c Bodies (A6) (LRR	P, T, U)	Redox Dark	The state of the s			(MLRA 1	
	lucky Mineral (A7) (I							Material (TF2) w Dark Surface (TF12)
	Presence (A8) (LRR luck (A9) (LRR P, T		Redox Depr		6)			ain in Remarks)
-	ed Below Dark Surfa		Depleted Oc		(MLRA 1	51)		•
Charles (1977)	Dark Surface (A12)	, ,	☐ Iron-Mangar	nese Mass	es (F12)	LRR O, P		of hydrophytic vegetation and
	Prairie Redox (A16)							hydrology must be present, listurbed or problematic.
	Mucky Mineral (S1)	(LRR O, S)	Delta Ochric					isturbed or problematic.
920,000,000 pt. a	Gleyed Matrix (S4) Redox (S5)		Piedmont FI					
AND DESCRIPTION OF THE PARTY OF	ed Matrix (S6)						RA 149A, 153C, 153	BD)
	surface (S7) (LRR P.				1 22			
Restrictive	Layer (if observed	i):						
Type: _								sent? Yes _ / No
Depth (	nches):						Hydric Soil Pres	sentr res No
Remarks:								
								11100 0 4100 1 141 141 141 141 141 141 1



Wetland data point wcmr001f\_w facing northwest.



Wetland data point wcmr001f\_w facing northeast.

Project/Site: ACP City/C	County: Cumberland Sampling Date: 5-5-16
Applicant/Ourse: Daminian	State: NC Sampling Point: WOMF 001_U
Investigator(s): ESI(W. Vaughan, K. Markham) Section	on Township Range: None
Landform (hillslope, terrace, etc.): hillslope Local	relief (concave, convex, none): COOVEX Slope (%): S-7
Subregion (LRR or MLRA): LRRT Lat: 34.877	1963 Long: 78 793811 Datum: WGS84
	NWI classification: NA
Soil Map Unit Name: Deloss loam  Are climatic / hydrologic conditions on the site typical for this time of year? Y	(V) Liassincation.
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 same	apling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Hydric Soil Present?  Wetland Hydrology Present?  Remarks: D	within a Wetland? Yes No
Remarks: Rain within 24 Hours	
Lain string	
LIVEROLOGY.	
HYDROLOGY	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)  Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  High Water Table (A2)  High Water Table (A2)	
Saturation (A3)  Hydrogen Sulfide Odor (C	
☐ Water Marks (B1) ☐ Oxidized Rhizospheres a	
Sediment Deposits (B2)  Presence of Reduced Iro	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
Drift Deposits (B3)	
Algal Mat or Crust (B4)  Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Unique to Deposit (B5) Unique to Deposit (B5)	ks)
Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches):/	A
Water Table Present? Yes No Depth (inches): 22	Loincher
Saturation Present? Yes No Depth (inches): >2	O inches Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
besome Necolded Bata (Stream gadge, monitoring went, asian protest, p. 1	
Remarks:	
2	

5 6.	Absolute	Dominar	nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30f+ x30f+)		Species	? Status	Number of Dominant Species
1. Quercus nigra	50	yes	FAC	That Are OBL, FACW, or FAC:(A)
2. Quercus alba	20	Yes	FACU	
3. Pinus taeda	25	yes		Total Number of Dominant Species Across All Strata: (B)
				Species Across All Strata: (B)
4				Percent of Dominant Species 75
5				That Are OBL, FACW, or FAC:
6		-		
7.				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
8	GE			OBL species x 1 =
/	95			FACW species x 2 =
50% of total cover: <u>47.5</u>	20% of	total cove	er:	
Sapling/Shrub Stratum (Plot size: 30P+ ×30F+)				FAC species x 3 =
1. Quercus nigra	25	ves	FAC	FACU species x 4 =
				UPL species x 5 =
2				Column Totals: (A) (B)
3				
4				Prevalence Index = B/A =
5.				Hydrophytic Vegetation Indicators:
6.				1 - Rapid Test for Hydrophytic Vegetation
7			-	2 - Dominance Test is >50%
8				☐ 3 - Prevalence Index is ≤3.01
	25		-	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: _12.5	20% of	total cove	er:5	
Herb Stratum (Plot size: 30f4 × 30f4 )				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Quercus nigra	5	yes	FAC	be present, unless disturbed or problematic.
- Outside to the		100	FACU	Definitions of Four Vegetation Strata:
2. Querens alba		110		Definitions of Four Vegetation Strata.
3. Chimaghila maculata		no	UPL	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				of size, and woody plants less than 3.28 ft tall.
10.	No.	10	1	Woody vine - All woody vines greater than 3.28 ft in
11	100			height.
		-		Tro-gra.
12				
		= Total Co		
50% of total cover: <u>3.5</u>	20% of	total cove	er: <u>1. 7</u>	
Woody Vine Stratum (Plot size: 30ft - 30ff )				
1. Vitis rotundifolia	5	yes	FAC	
2 Smilax glacica	1	no	FAC	
	7	-	FACU	
3. Lonicera japonica		yes		
4. Gelsemium sempervirens	2	yes	FAC	
5.				Hydrophytic
	10	= Total C	nver	Variation
				Present? Yes No No
50% of total cover: 5		f total cove	er:	
Remarks: (If observed, list morphological adaptations below	ow).			
ų.				

epth	Matrix	367 17 19		x Features		the absence of inc	
nches)	Color (moist)	%	Color (moist)	% Ty	pe Loc²	Texture	Remarks
-16	2.5, 3/3	100				LS	
-20	10 yr 5/3	100				S	
-20	104r 3/3	100					
ype: C=0	Concentration, D=De	epletion, RM:	=Reduced Matrix, M	S=Masked Sar	nd Grains.		Pore Lining, M=Matrix.
ydric Soi	I Indicators: (Appl	icable to all					roblematic Hydric Soils <sup>3</sup> :
Histoso	ol (A1)				88) (LRR S, T, I		(A9) (LRR O)
=f	Epipedon (A2)			urface (S9) (LR			(A10) (LRR S)
	Histic (A3)			ky Mineral (F1)	(LRR O)		ertic (F18) <b>(outside MLRA 150A,B</b> ) loodplain Soils (F19) <b>(LRR P, S, T)</b>
	gen Sulfide (A4)			ed Matrix (F2)		<del></del>	Bright Loamy Soils (F20)
	ed Layers (A5)	D T 111	Depleted Ma			(MLRA 1	
	ic Bodies (A6) (LRR		-	Surface (F6) ark Surface (F7)	<b>\</b>		Material (TF2)
	Mucky Mineral (A7) (		Territory .	essions (F8)			w Dark Surface (TF12)
_	Presence (A8) (LRR Juck (A9) (LRR P, T		Marl (F10) (				ain in Remarks)
	ed Below Dark Surfa			chric (F11) (ML	RA 151)		
	Dark Surface (A12)	200 (1117)			12) (LRR O, P		of hydrophytic vegetation and
_	Prairie Redox (A16)	(MLRA 150		ace (F13) (LRF		wetland	hydrology must be present,
	Mucky Mineral (S1)			(F17) (MLRA		unless d	isturbed or problematic.
	Gleyed Matrix (S4)		Reduced Ve	ertic (F18) (MLF	RA 150A, 150B	)	
	Redox (S5)				(F19) (MLRA 1		
Strippe	ed Matrix (S6)		Anomalous	Bright Loamy S	Soils (F20) (MLI	RA 149A, 153C, 153	ID)
	Surface (S7) (LRR P			10			
	Surface (S7) (LRR P e Layer (if observe			-			
estrictive Type: _	e Layer (if observe	d):					
estrictive Type: _	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No
estrictive Type: _ Depth (i	e Layer (if observe	d):				Hydric Soil Pres	sent? Yes No



Upland data point wcmr001\_u facing southeast.



Upland data point wcmr001\_u facing northeast.

Project/Site: ACP	City/County: Co	imberland	Sampling Date 3/30/16
			Sampling Point: wemp 045s_
Applicant/Owner: Dominion	0	State: NC	Sampling Point: WEMP 0 1312
Investigator(s): ESI-J. Harwur, K.Mur	Section, Township	, Range: NA	
Landform (hillslope, terrace, etc.): De Plession	Local relief (conca	ve, convex, none): (On CO	Slope (%): 0-2
Subregion (I BR of MI BA): LRR P	Lat 34 . 87891	Long: -78,7987	4 Datum: W65 8
Subregion (LRR or MLRA): LRR P Soil Map Unit Name: ROBNOKE + WAYNE Soil	15 0-79, OCCASIO	nonth had alancific	ation: PSS
Are climatic / hydrologic conditions on the site typical for the			
Are Vegetation, Soil, or Hydrology			
Are Vegetation, Soil, or Hydrology	A STATE OF THE PARTY OF THE PAR	(If needed, explain any answer	
SUMMARY OF FINDINGS – Attach site map	showing sampling poi	nt locations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes	No Is the Sam	nled Area	
A CONTRACTOR OF THE PROPERTY O	No within a W		No
	No within a w	etiand? Tes	
Remarks:			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; check al	I that apoly)	Surface Soil	Cracks (B6)
			etated Concave Surface (B8)
	c Fauna (B13)		
	Deposits (B15) (LRR U)		
Development and the control of the c	gen Sulfide Odor (C1)	THE RESERVE OF THE PARTY OF THE	Vater Table (C2)
The first of the f	ed Rhizospheres along Living R	has analyzed a large of the same and the sam	
The artifact of the contract o	nce of Reduced Iron (C4)	Crayfish Burr	
	t Iron Reduction in Tilled Soils (	The second secon	sible on Aerial Imagery (C9)
The state of the s	luck Surface (C7)	Geomorphic	
The state of the s	(Explain in Remarks)	Shallow Aqui	
Inundation Visible on Aerial Imagery (B7)		✓ FAC-Neutral	
Water-Stained Leaves (B9)		Sphagnum m	oss (D8) (LRR T, U)
Field Observations:	./A		
Surface Water Present? YesNo D	epth (inches):		
Water Table Present? Yes No D	epth (inches): 4		
Saturation Present? Yes V No D	epth (inches): Surface	Wetland Hydrology Presen	t? Yes No
(includes capillary fringe)		0 19 -0-11-	
Describe Recorded Data (stream gauge, monitoring well	, aerial photos, previous inspec	tions), if available:	
Demarks			
Remarks:			
Portions of wetland are inun	dated		
A series of the			

Number of Dominant Species That Are OBL, FACW, or FAC: (A)
Total Number of Dominant Species Across All Strata:  (B)
Percent of Dominant Species That Are OBL, FACW, or FAC:
Prevalence Index worksheet:
Total % Cover of: Multiply by:
OBL species x 1 =
FACW species x 2 =
FAC species x3 =
FACU species x 4 =
UPL species x5 =
Column Totals: (A) (B)
Prevalence Index = B/A =
Hydrophytic Vegetation Indicators:
Rapid Test for Hydrophytic Vegetation
2 - Dominance Test is >50%
3 - Prevalence Index is ≤3.01
Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Definitions of Four Vegetation Strata:
< 10/
I free – vvoody plants, excluding vines, 5 iii. (7.6 cm) o
more in diameter at breast height (DBH), regardless of
height.
Sapling/Shrub - Woody plants, excluding vines, less
than 3 in. DBH and greater than 3.28 ft (1 m) tall.
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.
3
-
(
7/0
<del></del>
— Hydrophytic
Vegetation
The second control of
Present? Yes No

Profile Description: (Describe to the depti	i illocada to acca.					
Depth Matrix (inches) Color (moist) %	Color (moist)	x Feature:	Type <sup>1</sup>	Loc²	Texture	Remarks
(inches) Color (moist) % 0-6 104R 2/1 100	Color (moist)		Type	Loc	Cl	Kemarks
	100 0011	-	-		-	
6-14 104K3/1 45	104R4/6	>				
14-20 10GR4/1 100			-		C	
		-				
						Para la Caracteria de l
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=F				ains.		Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all L	RRs, unless othe	rwise not	ed.)			Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Polyvalue Be					(A9) (LRR O)
Histic Epipedon (A2)	Thin Dark St					(A10) (LRR S)
Black Histic (A3)	Loamy Muck			0)		/ertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)	Loamy Gleye	Property of the Contract of th	-2)			Floodplain Soils (F19) (LRR P, S, T) Bright Loamy Soils (F20)
Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U)	Pepleted Ma		6)		(MLRA	NAME OF THE PARTY
5 cm Mucky Mineral (A7) (LRR P, T, U)	Depleted Da		107-100		1	t Material (TF2)
Muck Presence (A8) (LRR U)	Redox Depre					ow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Marl (F10) (L					lain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Oc	hric (F11)	MLRA 1	51)		
Thick Dark Surface (A12)	Iron-Mangan				***	s of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A)				, U)		hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochric			45051	unless	disturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Ve					
Sandy Redox (S5)	Piedmont Flo				A 149A, 153C, 15	30)
Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U)	Allomaious I	Jigin Luai	ily Solis (i	20) (WILLY	1437, 1330, 13	
Restrictive Layer (if observed):		15 16	411111			
Restrictive Layer (if observed):  Type:						
Type:					Hydric Soil Pre	sent? Yes No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No
Type:	=				Hydric Soil Pre	sent? Yes No
Type: Depth (inches):	=				Hydric Soil Pre	sent? Yes No
Type: Depth (inches):	=				Hydric Soil Pre	sent? Yes No
Type: Depth (inches):	_				Hydric Soil Pre	sent? Yes No
Type: Depth (inches):	=				Hydric Soil Pre	sent? Yes No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No No
Type: Depth (inches):	=				Hydric Soil Pre	sent? Yes No No
Type: Depth (inches):	_				Hydric Soil Pre	sent? Yes No No
Type: Depth (inches):	_				Hydric Soil Pre	sent? Yes No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No No
Type: Depth (inches):					Hydric Soil Pre	sent? Yes No No



Wetland data point wcmp045s\_w facing southeast.



Wetland data point wcmp045s\_w facing northeast.

Project/Site: ACP	City/County: Camberland Sampling Date: 3/30/16
Applicant/Owner: Doninion	State: NC Sampling Point: Wemp (145-4
Investigator(s): EST-J, Harbour, K, Murphyen	Carlier Tarrellia Danner NA
Investigator(s):	Local relief (concave, convex, none): Convex Slope (%): 2-3
Landform (hillslope, terrace, etc.): hill Stope	Local relief (concave, convex, none): (CONEX Slope (%): 2-3
Subregion (LRR or MLRA): LRR P Lat: 34.	47891 Long: 78.79880 Datum: W658
Subregion (LRR or MLRA): LRR P Lat: 34.  Soil Map Unit Name: ROANOKE & Warne Soils, 0-2  Are elimated by dralogic conditions on the site typical for this time of y	290, Froded NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of y	rear? Yes No (If no, explain in Remarks.)
Are Vegetation Soil or Hydrology significant	y disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	rehlematic? (If peeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? YesNo	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks:	
HYDROLOGY	A Company of the constant
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	and the second s
Surface Water (A1) Aquatic Fauna (B	
High Water Table (A2) Marl Deposits (B1	
Saturation (A3) Hydrogen Sulfide	
	heres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Redu	
The state of the s	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surfac	
Iron Deposits (B5) Other (Explain in	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	-/^
Surface Water Present? Yes No Depth (inche	s): NA
Water Table Present? YesNo Depth (inche	s):
Saturation Present? Yes No Depth (inche	s): 181 Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspections), if available:
Remarks;	

25	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 3054 X 3054  1. NOTE PRESENT		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant Species Across All Strata:  (B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: 8090 (A/B)
6				D. J.
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
		= Total Co	ver	OBL species x 1 =
50% of total cover:	20% of	total cover		FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 308+ X 308+)				FAC species x 3 =
1. FIEK GLOSTA	15	Y	FACW	
2. Pinus toedo	40	Y	FAC	UPL species x 5 =
3. Liquidombor Styrocifica	10	N	FAC	Column Totals: (A) (B)
4. Acer rubrum	5	N	FAC	Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6.				
7				2 - Dominance Test is >50%
8.	-			3 - Prevalence Index is ≤3.01
		= Total Co		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 35	20% of	total cover	: 14	
Herb Stratum (Plot size: 308+X308+)  1. ANDROGUN Glomeratus	20	4	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must 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 height.
5, 6,				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.  Herb – All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in height.
12.				
	20	= Total Co	/er	
50% of total cover: 10	20% of	total cover	: 4	
Woody Vine Stratum (Plot size: 3054X3054)				
1. Rosa multiflora	15	7	FACW	
2. Lonicero japonica	20	<u>y</u>	FACUS	
3.		And a second		
4				
5				Undershide
S	35	= Total Co	ver .	Hydrophytic Vegetation
50% of total cover: 17, 5		total cover	part	Present? Yes No
		total cover	-	
Remarks: (If observed, list morphological adaptations belo	w).			
			14	

Depth	Matrix	o tino dop	oth needed to docur	x Feature		01 0011111111		
(inches)	Color (moist)	%	Color (moist)	_ %	Type1	Loc2	Texture	Remarks
0-10	104R2/1	100					SL	
10-20	104R4/2	98	104R4/4	2	c	M	SL	
				The state of				
					-		-	
	-	-						
				-				
								and the second second
	and the state of							
Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gra	ains.	<sup>2</sup> Location: PL=	Pore Lining, M=Matrix.
	ndicators: (Applica						Indicators for	Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Be			RR S, T, U)	1 cm Muck	(A9) (LRR O)
그리 경기를 시작하다 수 없었습니다.	pipedon (A2)		Thin Dark Su				2 cm Muck	(A10) (LRR S)
_ Black His	stic (A3)		Loamy Muck			(0)		ertic (F18) (outside MLRA 150A,E
	n Sulfide (A4)		Loamy Gleye		(F2)			Floodplain Soils (F19) (LRR P, S, T
	Layers (A5)	110	Depleted Ma					Bright Loamy Soils (F20)
	Bodies (A6) (LRR P,		Redox Dark		1000		(MLRA 1	t Material (TF2)
	cky Mineral (A7) (LR esence (A8) (LRR U)		Depleted Date Redox Depre				The state of the s	ow Dark Surface (TF12)
and a factoring and a factoring	ck (A9) (LRR P, T)		Marl (F10) (L		<b>5</b> )			lain in Remarks)
THE RESERVE OF THE PROPERTY OF THE PARTY OF	Below Dark Surface	(A11)	Depleted Oct		(MLRA 1	51)		
	rk Surface (A12)		Iron-Mangan		A STATE OF THE PARTY OF THE PAR	Critical and a second of	n) <sup>3</sup> Indicator	s of hydrophytic vegetation and
	airie Redox (A16) (M	LRA 150	A) Umbric Surfa	ce (F13)	(LRR P, T	, U)		hydrology must be present,
	lucky Mineral (S1) (L	RR O, S)					unless	disturbed or problematic.
	leyed Matrix (S4)		Reduced Ver					
Sandy R	edox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 149	(A)	
The second designation of the second								an)
Stripped	Matrix (S6)	T 115					149A, 153C, 15	3D)
Stripped Dark Sur	Matrix (S6) face (S7) (LRR P, S,	T, U)						3D)
Stripped Dark Sur Restrictive L	Matrix (S6)	T, U)						3D)
Stripped Dark Sur Restrictive L Type:	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S,							
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type:	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur lestrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur lestrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur lestrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur Restrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur lestrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	
Stripped Dark Sur lestrictive L Type: Depth (inc	Matrix (S6) face (S7) (LRR P, S, ayer (if observed):						149A, 153C, 15	



Upland data point wcmp045\_u facing west.



Upland data point wcmp045\_u facing south.

Project/Site: ACP	City/County: Cumbertand Sampling Date: 3/30/16
Applicant/Owner: Dominion	State: NC Sampling Point: WCmp 044e_
Investigator(s): ESI-J. Har bour, K. Murphrey	Section Township Range: NA
	Local relief (concave, convex, none): CONCAVE Slope (%): 0-2
Landform (hillslope, terrace, etc.): Deeression	Local relief (concave, convex, none): 2010 2 Slope (%)
Soil Map Unit Name: Tarboro lasmy sort, 0-6	NWI classification: PEM
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 significant	ly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	
SUMMARY OF FINDINGS - Attach site map showing	ng sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? YesNo	- Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	within a Wetland?
HYDROLOGY	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply	
Surface Water (A1) Aquatic Fauna (B	
High Water Table (A2)  Marl Deposits (B	
Saturation (A3) Hydrogen Sulfide	oheres along Living Roots (C3) Dry-Season Water Table (C2)
Water Marks (B1) Oxidized Rhizosp Sediment Deposits (B2) Presence of Red	
The state of the s	uction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface	
Iron Deposits (B5) Other (Explain in	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	es): NA
Surface Water Present? YesNo Depth (inche	
Water Table Present? Yes No Depth (inches	(S): 1211
Saturation Present? Yes No Depth (inche includes capillary fringe)	es): 12" Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if available:
Remarks:	
Remarks.	
9	

Sampling Point: WCAP 044e-W

Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC:	3 100%	(A) (B)
	Species Across All Strata:  Percent of Dominant Species That Are OBL, FACW, or FAC:	3	. , .
	That Are OBL, FACW, or FAC:	10090	(A/B)
	Prevalence Index worksheet:		
	Total % Cover of:	Multiply by:	
	OBL species x 1		
= Total Cover			
of total cover:			
	The state of the s		
	The state of the s		
	Column Totals: (A)	-	_ (B)
	Prevalence Index = B/A =		
	The second of the Art Purchase of the Art Control of the Second of the S		_
	The state of the s		
		- 10901411011	
= Total Cover	A CONTRACT OF THE PROPERTY OF	etation! (Evals	/min
Control of the Contro	Problematic Hydrophytic Veg	etation (Expla	an)
	Indicators of hydric soil and wetla	and hydrology	must
	Definitions of Four Vegetation S	Strata:	
	Tree - Woody plants, excluding v	ines, 3 in. (7.6	cm) or
	more in diameter at breast height height.	(DBH), regard	less of
	Sapling/Shrub – Woody plants, ethan 3 in, DBH and greater than 3	excluding vines 3.28 ft (1 m) tal	s, less
	Herb – All herbaceous (non-wood	dy) plants, rega	
The second secon	or size, and woody plants less tha	111 3.20 II Idil.	
•	Woody vine - All woody vines gr	eater than 3.28	8 ft in
	height.		
of total cover: 10			
		/	
7			
- Total Course			
	Present? Yes	No	
if total cover:			
	= Total Cover of total cover:  = Total Cover of total cover:  Y FACU Y FACU Y FAC  = Total Cover of total cover:  [	FACW species	FACW species

Depth (inches)	Matrix		Redo	x Feature			the absence o	
(IIICITES)	Color (moist)	_ %	Color (moist)	_ %	_Type1	Loc²		Remarks
0-12	10482/1	100					SCL	
2-20	W4R3/1	95 10	UR4/6	5	6	N	SCL	
			,					
						9		
-				-	_	-		
		A STATE OF THE STA						
Type: C=Cor	ncentration, D=Dep	letion, RM=Re	duced Matrix, MS	S=Masked	Sand Gra	ains.		PL=Pore Lining, M=Matrix.
lydric Soil Ir	dicators: (Applic	able to all LR	Rs, unless other	rwise not	ed.)		Indicators for	or Problematic Hydric Soils <sup>3</sup> :
Histosol (	A1)		Polyvalue Be					ick (A9) (LRR O)
	pedon (A2)		Thin Dark Su					uck (A10) (LRR S)
Black Hist			Loamy Muck			0)		d Vertic (F18) (outside MLRA 150A,E
	Sulfide (A4)		Loamy Gleye		(F2)			nt Floodplain Soils (F19) (LRR P, S, T
Color, Serial Marchini, americania	Layers (A5) Bodies (A6) (LRR P.	T.10	Depleted Mai Redox Dark \$	NOT THE REAL PROPERTY.	(B)			ous Bright Loamy Soils (F20) A 153B)
and the second s	ky Mineral (A7) (LF	AND RESIDENCE AN	Depleted Dar	March Control School Street			The second secon	ent Material (TF2)
	sence (A8) (LRR U		Redox Depre					allow Dark Surface (TF12)
	k (A9) (LRR P, T)		Marl (F10) (L		-/		and the same of th	explain in Remarks)
and the second s	Below Dark Surface	e (A11)	Depleted Oct		(MLRA 15	51)	_	
	k Surface (A12)		Iron-Mangan	ese Mass	es (F12) (I	RR O, P,		tors of hydrophytic vegetation and
_ Coast Pra	airie Redox (A16) (N	ILRA 150A)				U)		and hydrology must be present,
	ucky Mineral (S1) (L	.RR O, S)	Delta Ochric				unles	ss disturbed or problematic.
	eyed Matrix (S4)		Reduced Ver					
_ Sandy Re			Piedmont Flo					4530)
	Matrix (S6) ace (S7) (LRR P, S	T 10	Anomalous E	right Loa	my Soils (F	-20) (MLR/	A 149A, 153C,	1530)
	ayer (if observed):		Annual post of the second	kedilan da				
	-, -, (,,,							
I VIDE			_					
Type:	nes):						Hydric Soil P	Present? Yes No
Depth (inch	nes):					4	Hydric Soil P	Present? Yes No
Depth (inch	nes):		-				Hydric Soil P	Present? Yes No
Depth (inch	nes):						Hydric Soil P	Present? Yes No
Depth (inch	nes):						Hydric Soil F	Present? Yes No
Depth (inch	nes):						Hydric Soil P	Present? Yes No
Depth (inch	nes):						Hydric Soil P	Present? Yes No
The State of the Land of the L	nes):						Hydric Soil P	Present? Yes No
Depth (inch	nes):						Hydric Soil P	Present? Yes No
Depth (inch	nes):						Hydric Soil P	Present? Yes No
Depth (inch	nes):						Hydric Soil F	Present? Yes No
Depth (inch	nes):						Hydric Soil F	Present? Yes No
Depth (inch	nes):						Hydric Soil P	Present? Yes No
Depth (inch	nes):						Hydric Soil P	Present? Yes No
Depth (inch	nes):						Hydric Soil P	Present? Yes No No
Depth (inch	nes):						Hydric Soil P	Present? Yes No No
Depth (inch	nes):						Hydric Soil P	Present? Yes No No
Depth (inch	nes):						Hydric Soil P	Present? Yes No No
Depth (inch	nes):						Hydric Soil P	Present? Yes No No
Depth (inch	nes):						Hydric Soil P	Present? Yes No No
Depth (inch	nes):						Hydric Soil F	Present? Yes No
Depth (inch	nes):						Hydric Soil P	Present? Yes No No
Depth (inch	nes):						Hydric Soil P	Present? Yes No No
Depth (inch	nes):						Hydric Soil P	Present? Yes No No



Wetland data point wcmp044e\_w facing south.



Wetland data point wcmp044e\_w facing east.

Project/Site: ACP	City/County: Cumbertand Sampling Date: 3/30/16
Applicant/Owner: Dominion	State: NC Sampling Point: Weng 044 u
Applicant/Owner: Dorth Consult IC was COlored	
Investigator(s): ESJ-J. Harroouv, 15, Murphley	Section, Township, Range: NV
Landform (hillslope, terrace, etc.): NIIS(0000	Local relief (concave, convex, none): CONVEX Slope (%): 2-4
Subregion (LRR or MLRA): LRR P Lat: 34, 7	57874 Long: <u>78.80116</u> Datum: <u>W65.81</u>
Soil Map Unit Name: Tarboro 100my Sond, 0-6	90 NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of ye	
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pro	
SUMMARY OF FINDINGS - Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sampled Area within a Wetland? Yes No
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13	
High Water Table (A2)  Marl Deposits (B15	
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) Thin Muck Surface	
Iron Deposits (B5) Other (Explain in R	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	A/A
Surface Water Present? Yes No Depth (inches)	700
Water Table Present? Yes No Depth (inches)	the state of the s
Saturation Present? Yes No Depth (inches) (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photo	s, previous inspections), if available:
Remarks:	
Remarks.	

2 ( 7 )	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 3054 X 3054)  1. 000e Plesent	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata:  (B)
4 5		Percent of Dominant Species That Are OBL, FACW, or FAC:  (A/B)
6		
7.		Prevalence Index worksheet:
8.		Total % Cover of: Multiply by:
	O = Total Cover	OBL species x 1 =
50% of total cover:	20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size 308+X308+)		FAC species x 3 =
1. Quercus laurifolia	10 Y FACEN	FACU species x 4 =
2		UPL species x 5 =
		Column Totals: (A) (B)
3		
4		Prevalence Index = B/A =
5.		Hydrophytic Vegetation Indicators:
6		Rapid Test for Hydrophytic Vegetation
7		2 - Dominance Test is >50%
8	70	3 - Prevalence Index is ≤3.0¹
	10 = Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
	20% of total cover: 2	
Herb Stratum (Plot size: 308+X308+)	0	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Andropogon vivginicus		be present, unless disturbed or problematic.
2. Hypercum hypericoides	5 4 FAC	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.
		Sapling/Shrub – Woody plants, excluding vines, less
6.		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7.		
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 5.25 it tall.
10		Woody vine - All woody vines greater than 3.28 ft in
11		height.
12		
	25 = Total Cover	
	20% of total cover:	
Woody Vine Stratum (Plot size: 30 Ft. x 30 Ft. )		
1. hone present	A CONTRACTOR OF THE PARTY OF TH	
2.		
3		
4.		
5.		11.1
3	0 = Total Cover	Hydrophytic Vegetation
F00/ -54-4-1	The state of the s	Present? Yes No
	20% of total cover:	
Remarks: (If observed, list morphological adaptations be	elow).	1.1-01 1/0001010
upone lacontee within ex	esisting Row, M	IN INOIL AGGERGAILY

Depth Matrix	Redox Features	
inches) Color (moist) %	Color (moist) % Type¹ Loc²	Texture Remarks
0-12 104R3/4 100		5
2-20 10484/6 100		5
	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to all	=Reduced Matrix, MS=Masked Sand Grains.	Indicators for Problematic Hydric Soils <sup>3</sup> :
_ Histosol (A1) _ Histic Epipedon (A2)	Polyvalue Below Surface (S8) (LRR S, T, U) 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,E
_ 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)	(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)	Marl (F10) (LRR U)	Other (Explain in Remarks)
_ Depleted Below Dark Surface (A11)	Depleted Ochric (F11) (MLRA 151)	T) <sup>3</sup> Indicators of hydrophytic vegetation and
Thick Dark Surface (A12)	<pre>Iron-Manganese Masses (F12) (LRR O, P, TA) Umbric Surface (F13) (LRR P, T, U)</pre>	wetland hydrology must be present,
<ul> <li>Coast Prairie Redox (A16) (MLRA 150)</li> <li>Sandy Mucky Mineral (S1) (LRR O, S)</li> </ul>	Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Mideky Miller at (S1) (ERK S, S)  Sandy Gleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 150A, 150B)	unicas distarbed of problemate.
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 149	DA)
_ Stripped Matrix (S6)	Anomalous Bright Loamy Soils (F20) (MLRA	
Dark Surface (S7) (LRR P, S, T, U)		
lestrictive Layer (if observed):		
Type:		/
Type:		
Depth (inches):		Hydric Soil Present? Yes No
The first of the second		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No



Upland data point wcmp044\_u facing south.



Upland data point wcmp044\_u facing northwest.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region City/County: \_\_\_\_\_\_ Sampling Date: 3 Project/Site: ACP State: NC Sampling Point: Wang 043 Applicant/Owner: Dominion Investigator(s): ESJ-J. Harbour, K. Mureney Section, Township, Range: NA Landform (hillslope, terrace, etc.): DePression Local relief (concave, convex, none): CONCOVE Lat:34. 87900 Subregion (LRR or MLRA): LRR P Soil Map Unit Name: ROANOKE & Walge soils, 0-2% occasionally Are climatic / hydrologic conditions on the site typical for this time of year? Yes No \_\_\_\_\_ (If no, explain in Remarks.) Are Vegetation \_\_\_\_\_, soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Yes 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) \_\_\_ Marl Deposits (B15) (LRR U) \_\_ Drainage Patterns (B10) High Water Table (A2) V Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) \_\_\_ 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) \_\_\_ Recent Iron Reduction in Tilled Soils (C6) Drift Deposits (B3) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) \_\_ Thin Muck Surface (C7) \_\_ Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) 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? Depth (inches): Depth (inches): Water Table Present? Wetland Hydrology Present? Yes Saturation Present? Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

Tree Stratum (Plot size: 30F+ X 30F+ )  1. 000e PleSen+	% Cover Specie	ant Indicator es? Status	Dominance Test worksheet:  Number of Dominant Species
IVIII LUCCE III			That Are OBL, FACW, or FAC:(A)
			Total Number of Dominant
•			Species Across All Strata: (B)
			Percent of Dominant Species
			That Are OBL, FACW, or FAC: (A)
			Prevalence Index worksheet:
<u> </u>			Total % Cover of: Multiply by:
			OBL species x 1 =
	= Total	Cover	
50% of total cover:	20% of total co	ver:	FACW species x 2 =
apling/Shrub Stratum (Plot size: 305+ X3651)	- Hollow Halles		FAC species x 3 =
	10 4	FAC	FACU species x 4 =
Pinus taeda		1110	UPL species x 5 =
			Column Totals: (A) (E
			Provintance Index = D/A =
			Prevalence Index = B/A =
			Hydrophytic Vegetation Indicators:
			1- Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0¹
	(c) = Total	Cavor	
			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	20% of total co	ver:	
erb Stratum (Plot size: 305+X306+)			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Soccharum gigonteum	20 Y	FACW	be present, unless disturbed or problematic.
Dubias of a	- 16 V	FAC	
Rubus argutus	1) 7	100	Definitions of Four Vegetation Strata:
			Tree - Woody plants, excluding vines, 3 in. (7.6 cm)
			more in diameter at breast height (DBH), regardless
			height.
			Sapling/Shrub - Woody plants, excluding vines, les
			than 3 in. DBH and greater than 3.28 ft (1 m) tall.
* <u></u>			Herb – All herbaceous (non-woody) plants, regardles
			of size, and woody plants less than 3.28 ft tall.
			or size, and woody plants less than 5.25 K tan.
			Woody vine - All woody vines greater than 3.28 ft in
)			
			height.
	35 = Total	ALCOHOL:	
50% of total cover: 17	35 = Total	ALCOHOL:	
50% of total cover: 7	35 = Total	ALCOHOL:	
50% of total cover: 17	35 = Total	ALCOHOL:	
50% of total cover: 17  soody Vine Stratum (Plot size: 30F+ X 30F+  NONE Plesen+	35 = Total	ALCOHOL:	
50% of total cover: 17 Soody Vine Stratum (Plot size: 30F+ X 30F+	35 = Total co	ALCOHOL:	
50% of total cover: 17 Soody Vine Stratum (Plot size: 30F+ X 30F+	35 = Total co	ALCOHOL:	
50% of total cover: 17 boody Vine Stratum (Plot size: 30F+ X 30F+	35 = Total co	ALCOHOL:	
50% of total cover: 17 Soody Vine Stratum (Plot size: 30F+ X 30F+	35 = Total co	ALCOHOL:	height.
50% of total cover: 17 Soody Vine Stratum (Plot size: 30F+ X 30F+	35 = Total co	over:	height.  Hydrophytic
50% of total cover: 17 Stratum (Plot size: 30F+ X 3	35 = Total co	over:	Hydrophytic Vegetation
50% of total cover: 17  soody Vine Stratum (Plot size: 30F+ X 30F+ 10 Ne Plesen+	35 = Total co	over:	height.  Hydrophytic
50% of total cover: 17  Soody Vine Stratum (Plot size: 30F+ X 30F		over:	Hydrophytic Vegetation
50% of total cover: 17  Soody Vine Stratum (Plot size: 30F+ X 30F		Cover	Hydrophytic Vegetation Present?  Yes No
50% of total cover:		Cover	Hydrophytic Vegetation Present?  Yes No
50% of total cover: 17 None Plesent  50% of total cover: 17  50% of total cover: 18  50% of total cover: 18  400 of total cover: 18  50% of total cover: 19  60% of total cove		Cover	Hydrophytic Vegetation Present?  Yes No
50% of total cover: 17 None Plesent  50% of total cover: 17  50% of total cover: 18  50% of total cover: 18  400 of total cover: 18  50% of total cover: 19  60% of total cove		Cover	Hydrophytic Vegetation Present?  Yes No
50% of total cover: 17  None Plesent  50% of total cover: 17  50% of total cover: 18  50% of total cover: 18  Emarks: (If observed, list morphological adaptations by the second		Cover	Hydrophytic Vegetation Present?  Yes No
50% of total cover: 17  soody Vine Stratum (Plot size: 308+ x 308		Cover	Hydrophytic Vegetation Present?  Yes No
50% of total cover: 17  None Plesent  50% of total cover: 17  50% of total cover: 18  50% of total cover: 19  emarks: (If observed, list morphological adaptations by		Cover	Hydrophytic Vegetation Present?  Yes No

							the absence of i	
Depth (inches)	Color (moist)	%	Color (moist)	ox Feature %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-10	104R2/1	100					SL	
10-20	10,03/1	90	W4R4/6	10	-	PI	(1	
00	109K 3/1	10	10910-170	10		10		
							-	
	-			-				
		_	-					and the same of the same
	oncentration, D=Dep					ains.		=Pore Lining, M=Matrix.
	Indicators: (Applic	able to al						Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue B					(A9) (LRR O)
THE RESERVE OF THE PARTY OF THE	pipedon (A2)		Thin Dark S Loamy Muci				10 A	k (A10) (LRR S) /ertic (F18) (outside MLRA 150A,B)
	istic (A3) en Sulfide (A4)		Loamy Gley			0)		Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma		-/		The second secon	s Bright Loamy Soils (F20)
	Bodies (A6) (LRR P	, T, U)	Redox Dark	Mary Control of the C	6)		(MLRA	
and the same of th	ucky Mineral (A7) (LF		FIGURE STATE OF THE PROPERTY O				Red Parer	nt Material (TF2)
	resence (A8) (LRR U	1)	Redox Depr	essions (F	8)			ow Dark Surface (TF12)
1 cm Mi	uck (A9) (LRR P, T)		Marl (F10) (				Other (Exp	olain in Remarks)
A STATE OF THE PARTY OF THE PAR	d Below Dark Surfac	e (A11)	Depleted Oc				- 3	
_	ark Surface (A12)		Iron-Mangai					rs of hydrophytic vegetation and
Charles State Control of the Control	rairie Redox (A16) (I		The second secon	all the second of the second		, 0)		d hydrology must be present, disturbed or problematic.
The second of th	Mucky Mineral (S1) (I Gleyed Matrix (S4)	LKK U, 5)	Delta Ochrid			0A 150B)		distarbed of problematic.
	Redox (S5)		Piedmont FI					
And the second s	Matrix (S6)						A 149A, 153C, 15	3D)
	rface (S7) (LRR P, S	S, T, U)						
	Layer (if observed):							
	Layer (if observed):							
Restrictive Type:	Layer (if observed): ches):	-					Hydric Soil Pre	esent? Yes No
Restrictive Type:		-					Hydric Soil Pre	esent? Yes No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No
Restrictive Type: Depth (in		-					Hydric Soil Pre	esent? Yes No No



Wetland data point wcmp043s\_w facing southeast.



Wetland data point wcmp043s\_w facing east.

Project/Site: ACP	Ci	ity/County Camber	ond	_ Sampling Date: 3/30/16
Applicant/Owner: Dominion		ny/ocamy.	State: NC	Sampling Point: Wemp043-u
Investigator(s): ESS-3. Harlosa	TIE MUIPINER C	astian Taumahin Dangai	MA	
Investigator(s): CSS-S. NATECO	1 CLOSE	ection, rownship, Range: _		ave and 2-4
Landform (hillslope, terrace, etc.):	2 2/1 0	ocal relief (concave, convex	, none):	Slope (%):
Subregion (LRR or MLRA): LRR	Lat: 317.8	1876 Long:		26 Datum: N65 8L
Soil Map Unit Name: Roanorce 31	warne soils, 0-2%,	Flouded	NWI classif	fication: N/A
Are climatic / hydrologic conditions on the	ne site typical for this time of year	? Yes No	(If no, explain in	Remarks.)
Are Vegetation, Soil, or				present? Yes No
Are Vegetation, Soil, or			explain any answ	
SUMMARY OF FINDINGS – A	ttach site map showing s	sampling point locati	ons, transect	s, important reatures, 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			
HYDROLOGY			0111	
Wetland Hydrology Indicators:				cators (minimum of two required)
Primary Indicators (minimum of one is				il Cracks (B6)
Surface Water (A1)	Aquatic Fauna (B13)			egetated Concave Surface (B8)
High Water Table (A2)	Marl Deposits (B15) (			Patterns (B10) Lines (B16)
Saturation (A3)	Hydrogen Sulfide Od	es along Living Roots (C3)		n Water Table (C2)
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduced			urrows (C8)
Drift Deposits (B3)	Recent Iron Reductio		The second secon	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface (0		And the second second second second	ic Position (D2)
Iron Deposits (B5)	Other (Explain in Rer			quitard (D3)
Inundation Visible on Aerial Image		Continue.	FAC-Neutr	al Test (D5)
Water-Stained Leaves (B9)	7.77		Sphagnum	moss (D8) (LRR T, U)
Field Observations:	/			
Surface Water Present? Yes _	No Depth (inches):	NA		
Water Table Present? Yes _	No Depth (inches):	720		1
Saturation Present? Yes _	No Depth (inches):	2a0 Wetland	Hydrology Pres	ent? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge	ge, monitoring well, aerial photos,	, previous inspections), if av	vailable:	
Remarks:				

Tree Stratum (Plot size: 30F+X308+)  1. NONE PRESENT	% Cover	Species	nt Indicator 3? Status	Dominance Test worksh Number of Dominant Spe That Are OBL, FACW, or	cies 4	(A)
2				Total Number of Dominan Species Across All Strata		(B)
4 5				Percent of Dominant Spec That Are OBL, FACW, or	cies 10/0°/	, ,
6				Prevalence Index works	heet:	
7				Total % Cover of:	Multiply by:	
B			nvor.	OBL species	x 1 =	_
50% of total cover:				FACW species	x 2 =	
275+ X305+ 1	-			FAC species	x 3 =	_
a Quercus laurifolia	20	Y	FACW	FACU species		
Pinus toreda	5	1	FAC	UPL species	x 5 =	-
				Column Totals:	(A)	_ (B)
				Prevalence Index =	B/A =	
				Hydrophytic Vegetation	Indicators:	
l				Rapid Test for Hyd	drophytic Vegetation	
			-	2 - Dominance Test is	s >50%	
	20	-		3 - Prevalence Index		
10.	25	= Total Co	over	Problematic Hydroph	ytic Vegetation <sup>1</sup> (Explai	n)
50% of total cover: 12.5	20% of	total cove	er:	Ven de la company		
Herb Stratum (Plot size: 305+X305)	711		FAC	<sup>1</sup> Indicators of hydric soil a be present, unless disturb	nd wetland hydrology n	nust
Androphydo virginicas Rubus argutas	20	7	FAC		ASSESSMENT OF THE PARTY OF THE	
Nuttallantaus canadensis	13	1	UPL	Definitions of Four Vege	etation Strata:	
Saccharum giganteum	5	N	FACW	Tree – Woody plants, exc more in diameter at breas height.	luding vines, 3 in. (7.6 t height (DBH), regard	cm) o ess o
i				Sapling/Shrub – Woody than 3 in. DBH and greate	plants, excluding vines er than 3.28 ft (1 m) tall	less
				Herb – All herbaceous (no	on-woody) plants, rega	
				of size, and woody plants	less than 3.26 it tall.	
0 1.			-	Woody vine – All woody height.	vines greater than 3.28	ft in
/ <b>  .</b>				neight.		
2.	45	= Total Co	over_			
50% of total cover: 22.5 Noody Vine Stratum (Plot size: 305+ X305+)	20% of	total cove				
50% of total cover: 22.5 Noody Vine Stratum (Plot size: 305+ X305+)	20% of	total cove				
50% of total cover: 22.5  Noody Vine Stratum (Plot size: 35+ × 35+ )  None Present	20% of	total cove				
50% of total cover: 22.5 Noody Vine Stratum (Plot size: 305+ X305+)  1. None Present	20% of	total cove		Hydrophytic		
50% of total cover: 22.5  Voody Vine Stratum (Plot size: 305+ X305+)  One Present	20% of	total cove	er: _9	Hydrophytic Vegetation Present? Yes	No	

Depth Mar			ox Features			n the absence of indicators.)
(inches) Color (mois	6.00	Color (moist)		Type <sup>1</sup>	Loc2	Texture Remarks
0-12 104R21	2 100					Sine send
2-20 104831	4 90	109R4/6	10	C		fine sond
Type: C=Concentration, Diversity of the property of the proper	RR P, T, U) 7) (LRR P, T, L RR U) 9, T) urface (A11) 2) 16) (MLRA 150 S1) (LRR O, S)	I LRRs, unless othe  Polyvalue B Thin Dark S Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da Redox Depr Marl (F10) ( Depleted Oc Iron-Mangar Umbric Surf Reduced Ve Piedmont FI	erwise noted elow Surface urface (S9) ( ky Mineral (F) ed Matrix (F3) Surface (F6) ark Surface (I essions (F8) LRR U) chric (F11) (M nese Masses ace (F13) (L c (F17) (MLR ertic (F18) (M oodplain Soi	(S8) (L LRR S, 1) (LRR 2) (F7) (LRA 15 (F12) (I RR P, T, A 151) LRA 15 (S (F19)	RR S, T, U T, U) O) S1) LRR O, P, U) OA, 150B) (MLRA 14	2 cm Muck (A10) (LRR S)     Reduced Vertic (F18) (outside MLRA 150A,E     Piedmont Floodplain Soils (F19) (LRR P, S, T     Anomalous Bright Loamy Soils (F20)     (MLRA 153B)     Red Parent Material (TF2)     Very Shallow Dark Surface (TF12)     Other (Explain in Remarks)  3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Dark Surface (S7) (LRF estrictive Layer (if obser Type: Depth (inches): emarks:	ved):					Hydric Soil Present? Yes No



Upland data point wcmp043\_u facing south.



Upland data point wcmp043\_u facing northwest.

Project/Site: ACP City/	County: Charberland Sampling Date: 3/30/16
Applicant/Owner: Dominion	State: NC Sampling Point: WCMp046 F-w
Applicant/Owner: Oct 11 10 11 11 11 11 11 11 11 11 11 11 11	State: 14 C Sampling Form. West 15 Co.
Investigator(s): EST-J. Harbour, K. Marphrey Sect	ion, Township, Range:
Landform (hillslope, terrace, etc.): Flat Loca	al relief (concave, convex, none): \$10+ Slope (%): 0-2
Subregion (LRR or MLRA): LRR P Lat: 34. 87	733 Long: -78.80235 Datum: W65 8
Soil Map Unit Name: ROGNOKE + WAYNE SOILS, 0-275, 000	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year?	Vas No. (If no. explain in Remarks.)
	V
Are Vegetation, Soil, or Hydrology significantly distu	
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing said	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area
Wetland Hydrology Present? Yes No No	within a Wetland? Yes No
Remarks:	
NCWAM: Hardwood Flat	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LF	
Saturation (A3) Hydrogen Sulfide Odor	
Water Marks (B1)Oxidized Rhizospheres	
Sediment Deposits (B2) Presence of Reduced Ir	
Drift Deposits (B3) Recent Iron Reduction i	이 아이들 아이들 때문에 가는 사람들이 되었다면 하면 되었다면 하는 것이 없는데 되었다면 하는데 하는데 되었다.
Algal Mat or Crust (B4) Thin Muck Surface (C7)	
Iron Deposits (B5) Other (Explain in Remai	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	Λ
Surface Water Present? Yes No Depth (inches): N	ALCO ACCORDING TO A COLUMN TO
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	

1. Pinus taeda 20 2. Liquidambor statacifica 15. 3. Quercus laurifolia 10 4. Acer rubrum 10 5. 6. 7.	= Total Co	FAC FACW FAC	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:  OAB  Prevalence Index worksheet: Total % Cover of:  Multiply by:
2. Liquidambor statecista o 15 3. Quercus laurifolia 10 4. A cer lubrum 10 5. 6. 7. 8. 50% of total cover: 27.5 20% of Sapling/Shrub Stratum (Plot size: 305+x305+) 1. Magnolia viginana 20 2. Liquidambor statecistua 15	= Total Co	FACW FAC	Total Number of Dominant Species Across All Strata:  Percent of Dominant Species That Are OBL, FACW, or FAC:  Prevalence Index worksheet:  (B)  (B)
3. Guercus laurifolia 10 4. A (er rubrum) 10 5. 6. 7. 8. 50% of total cover: 27.5 20% of Sapling/Shrub Stratum (Plot size: 308+x308+) 1. Magaalia vigaaaa 20 2. Liquidambar Stgracistua 15	= Total Co	FAC	Percent of Dominant Species That Are OBL, FACW, or FAC:  Prevalence Index worksheet:  (B)  (A/B)
4. A (er (ubrum) 10  5. 6. 7. 8. 55  Sapling/Shrub Stratum (Plot size: 308+x308+)  1. Magaalia vigialia 20  2. Liquidambar Stgracistua 15	= Total Co		Percent of Dominant Species That Are OBL, FACW, or FAC:  Prevalence Index worksheet:  (A/B)
5	= Total Co		Prevalence Index worksheet:
55 50% of total cover: 27.5 20% of Sapling/Shrub Stratum (Plot size: 308+×308+)  1. Magaalia vigaaaa 20 2. Liquidambar Stgracistua 15	= Total Co		Prevalence Index worksheet:
55 50% of total cover: 27.5 20% of Sapling/Shrub Stratum (Plot size: 308+X308+)  1. Magazlia Vilaidan bay Staracistua 15	= Total Co	rer	
55 50% of total cover: 27.5 20% of Sapling/Shrub Stratum (Plot size: 3084X3084)  1. Magaolia vigina a 20 2. Liquidambar Staracistua 15		ver .	Total % Cover of. Multiply by.
55 50% of total cover: 27.5 20% of Sapling/Shrub Stratum (Plot size: 3084X3084)  1. Magaolia vigina a 20 2. Liquidambar Staracistua 15		rer	ORI
Sapling/Shrub Stratum (Plot size: 3084×3084)  1. Magaalia vigina na 20 2. Liquidambar Staracistua 15	of total cover		OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 3084×3084)  1. Magaalia vigina na 20 2. Liquidambar Staracistua 15	21-4-1-1-1-1	()	FACW species x 2 =
1. Magnolia virginiana 20 2. Liquidambar Styracifica 15			FAC species x 3 =
2. Liquidambar Styracisina 15	V	FACW	FACU species x 4 =
2 ACEV VIANCIAM 10		FAF	UPL species x 5 =
2 TICEY VANVAM	<u> </u>	FOR	Column Totals: (A) (B)
	-7-	FAC	. (7
4.			Prevalence Index = B/A =
5			Hydrophytic Vegetation Indicators:
6			
7			2 - Dominance Test is >50%
В.	philipping and		3 - Prevalence Index is ≤3.01
	= Total Co	er	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 22.5 20% o			Problematic Hydrophytic Vegetation (Explain)
Herb Stratum (Plot size: 305+ X305-)	i total cover		
1. Moorwardia areolata 5	V	nel	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	- 10		
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 of size, and woody plants less than 3.28 ft tall.
9		11	or size, and woody plants less than o.25 it tall
10.			Woody vine – All woody vines greater than 3.28 ft in
11			height.
12.			
_ 5	= Total Co	er	
50% of total cover: 2-5 20% o	f total cover		
Woody Vine Stratum (Plot size: 30Ft, +30Ft, )			
1. Smilax rotundisolia 10	Y	FAC	
2 Vitis rotundisolia 5	7	FAC	
	-/-		
3			
4			
5			Hydrophytic
	= Total Co	er	Vegetation No.
50% of total cover: 7-5 20% o	f total cover	5	Present? Yes No
Remarks: (If observed, list morphological adaptations below).	2 1/10/20/20 20 20 20 20 20 20 20 20 20 20 20 20 2		

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.   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 <sup>3</sup> :   Histosol (A1)	Dec. C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.    CugR4/6   5   C   PL   C	Depth	Matrix			x Feature				
CURRIA   S   C   PL   C   C   C   C   C   C   C   C   C	Companies   Comp	inches)	-		Color (moist)		Type'	_Loc²		Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Pydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1) Polyvalue Below Surface (S9) (LRR S, T, U) 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)  Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Peledon Hologolain Soils (F19) (LRR D)  Stratified Layers (A5) Pepleted Matrix (F3) Pepleted Dark Surface (F7) Pepleted Dark Surface (F7) Pepleted Dark Surface (F1) Pepleted Dark Surface (A8) (LRR P, T, U) Pepleted Dark Surface (F1) Pepleted Dark Surface (A11) Pepleted Dark Surface (F1) Pepleted Dark Surface (A11) Pepleted Dark Surface (F1) Pepleted Dark Surface (A11) Pepleted Dark Surface (F1) Pepleted Dark Surface (A12) Pepleted Dark Surface (F1) Pepleted	Dec. C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Dec. C=Concentration, D=Depletion, RM=Reduced Sand Grains.  Decentration, D=Depletion Sulface (S3) (LRR S, T, U)  Depleted Matrix (F3)  Depleted Matrix (F3)  Depleted Matrix (F2)  Depleted Dark Surface (F1)  Muck (A9) (LRR P, T, U)  Depleted Dark Surface (F3)  Mark (F10) (LRR U)  Depleted Dark Surface (F1)  Mark (F10) (LRR U)  Depleted Dark Surface (A12)  Urboric Surface (F13) (LRR D, P, T)  Depleted Dark Surface (A12)  Urboric Surface (F13) (LRR P, T, U)  Sandy Mucky Mineral (S1) (LRR O, S)  Sandy Medox (S5)  Sandy Redox (S5)  Depleted Dark Surface (F10) (MLRA 150A)  Depleted Matrix (S4)  Reduced Vertic (F18) (MLRA 150A), 150B)  Piedmont Floodplain Soils (F19) (MLRA 149A)  Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)  Dark Surface (S7) (LRR P, S, T, U)  Trictive Layer (if observed):  Depleted Surface (S7) (LRR P, S, T, U)  Depleted Dark Surface (S7) (LRR P, S, T, U)  Depleted Dark Surface (S7) (LRR P, S, T, U)  Depleted Dark Surface (S7) (LRR P, S, T, U)  Depleted Dark Surface (S7) (LRR P, S, T, U)  Depleted Dark Surface (S7) (LRR P, S, T, U)  Depleted Dark Surface (S7) (LRR P,	0-14	10483/1	90		5				
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Pydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 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 1)  Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR I)  Strallfied Layers (A5) Pepleted Matrix (F3) Anomalous Bright Loamy Soils (F20)  Muck Presence (A8) (LRR P, T, U) Pepleted Dark Surface (F7) Redox Deressions (F8) Poepleted Delva Dark Surface (A9) (LRR I) Poepleted Delva Dark Surface (A9) (LRR I) Poepleted Delva Dark Surface (A11) Poepleted Delva Dark Surface (A12) Poepleted Ochric (F11) (MLRA 151) Poepleted Below Dark Surface (A11) Poepleted Ochric (F11) (MLRA 151) Poepleted Below Dark Surface (A12) Poepleted Ochric (F17) (MLRA 151) Poepleted Delva Dark Surface (A15) (MLRA 150A) Poepleted Ochric (F17) (MLRA 151) Poepleted Ochric (F17) (MLRA 150A) Poepleted Ochric (F17) (MLRA 150A) Poepleted Ochric (F17) (MLRA 150A) Poepleted Ochric (F17) (MLRA 151) Poepleted Ochric (F17) (MLRA 150A) Poepleted	De: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.    C=Concentration				104R4/6	5		PL		
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.    Indicators: (Applicable to all LRRs, unless otherwise noted.)   Indicators for Problematic Hydric Soils¹:     Histosol (A1)	De: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.    C=Concentration	4-20	10484/2	95	100R4/6	5	(	M	C	
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)	Iric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)									
Type: Hydric Soil Present? Yes No _	Popth (inches): Hydric Soil Present? Yes No	ydric Soil  Histosol  Histic Ep  Black Hi  Hydroge  Stratified  Organic  5 cm Mu  Muck Pr  1 cm Mu  Depleted  Thick Da  Coast P  Sandy M	Indicators: (Applications) (A1) pipedon (A2) stic (A3) en Sulfide (A4) d Layers (A5) Bodies (A6) (LRR P, acky Mineral (A7) (LR esence (A8) (LRR U) ack (A9) (LRR P, T) d Below Dark Surface ark Surface (A12) rairie Redox (A16) (M	T, U) R P, T, U) (A11)	LRRs, unless other Polyvalue Be Thin Dark Su Loamy Mucky Loamy Gleye Depleted Mat Redox Dark S Depleted Dar Redox Depre Marl (F10) (L Depleted Och Iron-Mangane Umbric Surfa Delta Ochric	wise not low Surface (S9 Mineral d Matrix rix (F3) Surface (F k Surface ssions (F RR U) ric (F11) ese Mass ce (F13) (F17) (MI	ed.) ce (S8) (Li ) (LRR S, (F1) (LRR (F2)  66) c (F7) 8)  (MLRA 15 es (F12) (LI (LRR P, T, LRA 151)	RR S, T, U T, U) O) (1) LRR O, P, U)	Indicators for  1 cm Mucl 2 cm Mucl Reduced \ Piedmont Anomalou (MLRA Red Parer Very Shall Other (Exp	Problematic Hydric Soils <sup>3</sup> : (A9) (LRR O) (A10) (LRR S) /ertic (F18) (outside MLRA 150A,I Floodplain Soils (F19) (LRR P, S, T s Bright Loamy Soils (F20) I53B) at Material (TF2) ow Dark Surface (TF12) olain in Remarks) rs of hydrophytic vegetation and I hydrology must be present,
The state of the s	Total Visibles C	Sandy F Stripped Dark Su	ledox (S5) Matrix (S6) rface (S7) (LRR P, S	, T, U)	Piedmont Flo	odplain S	oils (F19)	(MLRA 14		3D)
emarks:	narks:	Sandy F Stripped Dark Su estrictive	ledox (S5) Matrix (S6) rface (S7) (LRR P, S	, T, U)	Piedmont Flo	odplain S	oils (F19)	(MLRA 14	A 149A, 153C, 15	
		Sandy F Stripped Dark Su estrictive I Type: Depth (ine	ledox (S5) Matrix (S6) Inface (S7) (LRR P, S) Layer (if observed):	, т, U)	Piedmont Flo	odplain S	oils (F19)	(MLRA 14	A 149A, 153C, 15	
		Sandy F Stripped Dark Su estrictive I Type: Depth (ine	ledox (S5) Matrix (S6) Inface (S7) (LRR P, S) Layer (if observed):	, T, U)	Piedmont Flo	odplain S	oils (F19)	(MLRA 14	A 149A, 153C, 15	



Wetland data point wcmp046f\_w facing southeast.



Wetland data point wcmp046f\_w facing northeast.

Project/Site: ACP		City/County: Cumber	lond	Sampling Date: 3/30/16
Applicant/Owner: Dominion		City/County.	State: NC	Sampling Point: Wemp046-u
Investigator(s): EST-J. Harris	- THE IN MINIOUSE		State: _/-	_ Sampling Form. V-CVV PS 18 - CV
			SIN	7-11
Landform (hillslope, terrace, etc.):	1A+	Local relief (concave, convex	(, none):	Slope (%): 2-4
Subregion (LRR or MLRA):LRR	P Lat: 34,	87951 Long:		53 Datum: W65 8L
Soil Map Unit Name: ROONOKE & V	Norne 50:15,0-240,	occasioned	NWI classif	ication: N/A
Are climatic / hydrologic conditions on	the site typical for this time of ye	ear? Yes No	(If no, explain in	Remarks.)
Are Vegetation, Soil, or				
Are Vegetation, Soil, or			explain any answ	
SUMMARY OF FINDINGS - A				
Undershitin Vagatation Brogant?	YesNo			
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes No No	Is the Sampled Area		
Wetland Hydrology Present?	Yes No	within a Wetland?	Yes	No
Remarks:				
HYDROLOGY				
Wetland Hydrology Indicators:				cators (minimum of two required)
Primary Indicators (minimum of one i	s required; check all that apply)		Complete Control of Control of	I Cracks (B6)
Surface Water (A1)	Aquatic Fauna (B1	POCAL CHARLE UNIT		egetated Concave Surface (B8)
High Water Table (A2)	Marl Deposits (B1:			atterns (B10)
Saturation (A3)	Hydrogen Sulfide (		Moss Trim	Water Table (C2)
Water Marks (B1)	Oxidized Rhizospr Presence of Redu	neres along Living Roots (C3)	Crayfish Bu	
<ul><li>Sediment Deposits (B2)</li><li>Drift Deposits (B3)</li></ul>		ction in Tilled Soils (C6)	THE RESERVE THE PROPERTY AND ADDRESS OF THE PARTY.	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface			c Position (D2)
Iron Deposits (B5)	Other (Explain in F	Remarks)	Shallow Aq	uitard (D3)
Inundation Visible on Aerial Imag	jery (B7)		FAC-Neutra	
Water-Stained Leaves (B9)		1	Sphagnum	moss (D8) (LRR T, U)
Field Observations:	./	0/4		
Surface Water Present? Yes _	No Depth (inches			
Water Table Present? Yes _				Was No
Saturation Present? Yes _ (includes capillary fringe)	No Depth (inches	Wetland	Hydrology Prese	ent? Yes No
Describe Recorded Data (stream gau	uge, monitoring well, aerial phot	os, previous inspections), if av	vailable:	
(A				
Remarks:				

VEGETATION (Four Origin) - Ose scientillo na		Domina	nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30F+ X30F+)	% Cover	Species	37 Status	
1. Pinus taeda	20	Y	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2 Acer rubrum	15	V	FAC	
- DUDGUE VILLAGA	10	-		Total Number of Dominant
3. Quercus rubro		-/	FACU	Species Across All Strata: (B)
4				Percent of Dominant Species 88
5				That Are OBL, FACW, or FAC: (A/B)
6.				
7				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
8,	146	-		OBL species x 1 =
	10	= Total C	over	FACW species x 2 =
50% of total cover: 22.	5 20% o	f total cove	er:	
Sapling/Shrub Stratum (Plot size: 2064 X3064)				FAC species x 3 =
1. Magnolia Virginiana	10	Y	FACW	FACU species x 4 =
2. Acer lubrum	15	V	FAC	UPL species x 5 =
Z. Ticer reference	5	N	FAC	Column Totals: (A) (B)
3. Ilex ofaca		10		
4. Quercus laurisolia	10	7	FACH	Prevalence Index = B/A =
5. COVAUS KIOVIDA	2	N	FACU	Hudsonbutia Vagatation Indicators:
6. Vaccinium commbosam	5	N	FACW	- Rapid Test for Hydrophytic Vegetation
7				Takapid Test for Hydrophytic Vegetation
		-	-	2 - Dominance Test is >50%
8,	717	-		3 - Prevalence Index is ≤3.01
		= Total C		Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 23,	5 20% 0	f total cove	er: 9.4	
Herb Stratum (Plot size: 3054 × 3054)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
A / //				be present, unless disturbed or problematic.
				Transport of the State of the S
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 than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7		_		than 5 in. Don and greater than 5.20 it (1 in) tail.
B				Herb - All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10.				M. J. J. All
				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12.		_		
	0	= Total C	over	
50% of total cover:	20% 0	f total cove	er:	
Woody Vine Stratum (Plot size: 308+X306+)				
1. Gelsenium seaperviens	10	Y	FAC	
	-	14	EDI	
2. Vitis cotundisolia	2	N	FAC	
3. Smilax rotundifolia	15	_ Y	FAC	
4.				
	-			
D	20			Hydrophytic
		= Total C	10	Vegetation Present? Yes No
50% of total cover: 15	20% o	f total cove	er:	Presenti 163 No
Remarks: (If observed, list morphological adaptations belo	ow).			

Profile Description: (Describe to the dept	h needed to docu	ment the indic	ator or confirm	n the absence of indicators.)
Depth Matrix		x Features	1 1 - 2	Texture Remarks
(inches) Color (moist) %	Color (moist)		rpe¹ Loc²	Texture Remarks
0-2 109R3/2 100				
2-12 104R4/3 10U				SL
12-20 104RS/3 80	104R5/6	20	cm	SCL
				2
<sup>1</sup> Type: C=Concentration, D=Depletion, RM= Hydric Soil Indicators: (Applicable to all I			nd Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
			9) // PP S T I	
Histosol (A1) Histic Epipedon (A2)		urface (S9) (LR	88) (LRR S, T, I	2 cm Muck (A10) (LRR S)
Black Histic (A3)	The second secon	y Mineral (F1)		Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)	The substitute of the substitu	ed Matrix (F2)		Piedmont Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)	Depleted Ma			Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark			(MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U)	CONTRACTOR OF THE PROPERTY OF	rk Surface (F7)		Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
Muck Presence (A8) (LRR U)  1 cm Muck (A9) (LRR P, T)	Redox Depre Marl (F10) (L			Other (Explain in Remarks)
Depleted Below Dark Surface (A11)		hric (F11) (MLI	RA 151)	
Thick Dark Surface (A12)			12) (LRR O, P	, T) <sup>3</sup> Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A	A STATE OF THE PARTY OF THE PAR	ace (F13) (LRR	And the second second	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S)		(F17) (MLRA		unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Sandy Redox (S5)			(F19) (MLRA 14	
Stripped Matrix (S6)				RA 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)			,	
Restrictive Layer (if observed):		THE SHOWING		
Type:				
Depth (inches):				Hydric Soil Present? Yes No
Remarks:				



Upland data point wcmp046\_u facing west.



Upland data point wcmp046\_u facing north.

Project/Site: ACP City	County: Cumberiona Sampling Date: 3/30/16
Applicant/Owner: Dominion	State: NC Sampling Point: Wenp 042 f. L.
Investigator(s): ESI-J. Harbur, K. Mulphrey sec	tion Township Range: NA
Landform (hillslope, terrace, etc.): deptession Loc	al relief (concave, convex, none): CONCOVE Slope (%): O-2
Subregion (LRR or MLRA): LRR P Lat: 34, 88	0+4 Long: 78, 81135 Datum: 1455
Soil Map Unit Name: Dy Struckrefts, Steef	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly dist	
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS – Attach site map showing sa	Impling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
NCWAM: BOHOMLAND HAVOWOOD FO	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (Li	
Saturation (A3) Hydrogen Sulfide Odor Water Marks (B1) Oxidized Rhizospheres	
Water Marks (B1) Oxidized Rhizospheres Sediment Deposits (B2) Presence of Reduced I	
Drift Deposits (B3) Recent Iron Reduction	
Algal Mat or Crust (B4) Thin Muck Surface (C7	
Iron Deposits (B5) Other (Explain in Rema	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? YesNo Depth (inches):	
Water Table Present? Yes No Depth (inches):	3
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:
Remarks:	

Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:  Total Number of Dominant Species Across All Strata:  Percent of Dominant Species That Are OBL, FACW, or FAC:  Prevalence Index worksheet:  Total % Cover of:  Multiply by:  OBL species  FACW species  FACW species  FACU species  Y 2 =  FACU species  Y 3 =  FACU species  Y 4 =  UPL species  Y 5 =  Column Totals:  A (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  Rapid Test for Hydrophytic Vegetation  2 - Dominance Test is >50%
Total Number of Dominant Species Across All Strata:  Percent of Dominant Species That Are OBL, FACW, or FAC:  Prevalence Index worksheet:  Total % Cover of:  OBL species
Species Across All Strata:
Percent of Dominant Species That Are OBL, FACW, or FAC:  Prevalence Index worksheet:  Total % Cover of:  OBL species  FACW species  FAC species  FAC species  FAC uspecies  FACU species  FACU species
Percent of Dominant Species   That Are OBL, FACW, or FAC:   (A/B)
Prevalence Index worksheet:  Total % Cover of: Multiply by:  OBL species x1 = FACW species x2 = FAC species x3 = FACU species x4 = UPL species x5 = Column Totals: (A) (B)  Prevalence Index = B/A = Hydrophytic Vegetation 1 Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
Total % Cover of:
OBL species x 1 = FACW species x 2 = FAC species x 3 = FACU species x 4 = UPL species x 5 = Column Totals: (A) (B)  Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
FACW species x 2 =
FAC species
FAC species
UPL species x 5 =
UPL species x 5 = (B)  Column Totals: (A) (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators: 1 Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:1 Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%
Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:1 Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%
Hydrophytic Vegetation Indicators:  Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
2 - Dominance Test is >50%
The state of the s
0.00
3 - Prevalence Index is ≤3.01
Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Definitions of Four Vegetation Strata:
Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
more in diameter at breast height (DBH), regardless of height.
S. II. ISI. I. Mindrelanta avaluation vince less
Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Herb – All herbaceous (non-woody) plants, regardless
of size, and woody plants less than 3.28 ft tall.
Woody vine – All woody vines greater than 3.28 ft in
height.
6
<u></u>
<u>-</u>
<u>-</u>
<u>C</u>
Hydrophytic
Vegetation
Vegetation
-

	cription: (Describe	to the dep				or confirm	n the absence o	of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Feature %	Type	Loc2	Texture	Remarks
0-8	104R3/1	98	104R4/6	2	C	PL	SIHL	
8-20	105R4/1	98	104R4/6	2	C	PL	Sanda L	
0 00	100/10 17/		10/10/17				30.09	
	-					-	-	
	-	-			-	-	-	
		-		-				
			1					
		A. Charles					<u> </u>	
	oncentration, D=Dep					rains.		PL=Pore Lining, M=Matrix.
	Indicators: (Applic	able to all						or Problematic Hydric Soils <sup>3</sup> :
Histoso	(A1) pipedon (A2)		Polyvalue Be Thin Dark Su					uck (A9) (LRR O) uck (A10) (LRR S)
10 mm (Control of Control of Cont	istic (A3)		Loamy Muck					d Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleye					nt Floodplain Soils (F19) (LRR P, S, T)
_ Stratifie	d Layers (A5)		✓ Depleted Ma					ous Bright Loamy Soils (F20)
	Bodies (A6) (LRR P		Redox Dark				1252 1 1000 000 1750	A 153B)
_ 5 cm M	Depleted Da Redox Depre					rent Material (TF2) allow Dark Surface (TF12)		
	resence (A8) (LRR U uck (A9) (LRR P, T)	,	Mari (F10) (L		0)			Explain in Remarks)
The second of th	d Below Dark Surfac	e (A11)	Depleted Oc		(MLRA 1	51)		
Thick D	ark Surface (A12)		Iron-Mangan		AUTOR MARKET NAME OF			tors of hydrophytic vegetation and
	rairie Redox (A16) (1							and hydrology must be present,
and the first of the Control of the	Mucky Mineral (S1) (I	LRR O, S)	Delta Ochric Reduced Ver					ss disturbed or problematic.
THE R. P. LEWIS CO., LANSING, MICH. 49 P. LEWIS CO., LANSING, MICH. 40 P. LEWIS CO., LANSING,	Sleyed Matrix (S4) Redox (S5)		Piedmont Flo					
	Matrix (S6)						RA 149A, 153C,	153D)
	rface (S7) (LRR P, S	S, T, U)	TO A STANDARD STANDARD					
Restrictive	Layer (if observed)							
Type:			<u> </u>					
Depth (in	ches):					- 1	Hydric Soil F	Present? Yes No
Remarks:								



Wetland data point wcmp042f\_w facing north.



Wetland data point wcmp042f\_w facing southwest.

Project/Site: ACP	City	County CUMber	samplin	g Date: 3/30/16
Applicant/Owner: Dominion	Oily)	Journey.	State: NC Samplin	a Point: WcmpB4Ze
Investigator(s): EST- J. Harbou	C. K. Mulphleyen	tion Township Pange:	NA	
Landform (hillslope, terrace, etc.):	ression les		none): CONCAVE	Slone (%): (2-2
Subregion (LRR or MLRA): LRR	24 88	02 7	78 81177	Datum: \N65 8
Subregion (LRR or MLRA):	OFC CLOOP	Long:		01.0
Soil Map Unit Name: Dy Strochle		. /.	NWI classification:	
Are climatic / hydrologic conditions on the			(If no, explain in Remarks.)	1 2
Are Vegetation, Soil, or Hy			al Circumstances" present?	
Are Vegetation, Soil, or Hy	drology naturally probler	matic? (If needed,	explain any answers in Ren	narks.)
SUMMARY OF FINDINGS - Atta	ach site map showing sa	mpling point location	ons, transects, impo	rtant features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes No No No	Is the Sampled Area within a Wetland?	Yes No	
Wetland Hydrology Present?	Yes No	Within a Welland		
LIVEROLOGY.				
HYDROLOGY			Secondary Indicators (mir	nimum of two required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is re	autend; abook all that apply)		Surface Soil Cracks (	
Surface Water (A1)	Aquatic Fauna (B13)		THE RESERVE OF THE PARTY OF THE	Concave Surface (B8)
High Water Table (A2)	Marl Deposits (B15) (LI	RR U)	Drainage Patterns (B	
Saturation (A3)	Hydrogen Sulfide Odor		Moss Trim Lines (B16	
Water Marks (B1)	Oxidized Rhizospheres	along Living Roots (C3)	Dry-Season Water Ta	able (C2)
Sediment Deposits (B2)	Presence of Reduced I		Crayfish Burrows (C8	
Drift Deposits (B3)	Recent Iron Reduction	market more could do pr	Saturation Visible on	
Algal Mat or Crust (B4)	Thin Muck Surface (C7 Other (Explain in Rema		Geomorphic Position Shallow Aquitard (D3	
Iron Deposits (B5) Inundation Visible on Aerial Imagery		ins	FAC-Neutral Test (D	
Water-Stained Leaves (B9)	(0.7		Sphagnum moss (D8	
Field Observations:	/	1-		
Surface Water Present? Yes	No Depth (inches):	VA		
Water Table Present? Yes	No Depth (inches):	MIBBER		1/
Saturation Present? Yes	No Depth (inches): 5	Wetland	Hydrology Present? Yes	s No
(includes capillary fringe)  Describe Recorded Data (stream gauge	, monitoring well, aerial photos, p	previous inspections), if av	railable:	
Remarks:				

Tree Stratum (Plot size: 3084 × 3064)	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
1. Nune present		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata:  (B)
4 5		Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
8		OBL species x1 =
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	= Total Cover	FACW species x 2 =
	20% of total cover:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 308+X308-1)  1. Liquidam box Styraciacua	5 Y FAC	FACU species x 4 =
		UPL species x 5 =
2		Column Totals: (A) (B)
3		
4		
5		
6		Rapid Test for Hydrophytic Vegetation
7	·	2 - Dominance Test is >50%
8		- ☐ 3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	S 20% of total cover:	
Herb Stratum (Plot size: 30F+ x 30F+)	TA V FACI	Indicators of hydric soil and wetland hydrology must
1. Avundinavia gigantea	50 Y FACE	The state of the s
	10 N FAC	Definitions of Four Vegetation Strata:
3. SCIPUS CYPELIAUS	10 N OBL	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Dicharthelium Scoparium		more in diameter at breast height (DBH), regardless of
5. TUNCUS EFFUSCUS	5 N OBL	height.
6.		Sapling/Shrub – Woody plants, excluding vines, less
7		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.		11-t All h-t (non-woods) plants regardless
9		<ul> <li>Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.</li> </ul>
10		Woody vine – All woody vines greater than 3.28 ft in
11		height.
12,	40	
10	80 = Total Cover	
50% of total cover:	20% of total cover: 16	
Woody Vine Stratum (Plot size: 305+1305+1)		
a dan Directal		
1. NONE Plesent		
1. NONE PRESENT		
2		
		- Hudrophytic
2		- Hydrophytic Vegetation
2	O = Total Cover	- Hydrophytic Vegetation Present? Yes No
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation

Fiome Desc								the absence o	
Depth	Matrix		purnecucu		Feature			the abouter	
(inches)	Color (moist)	%	Color (		%		Loc2	Texture	Remarks
0-1	104R5/6	100						Silt L	
1-5	104R5/1	90	Gley 1	2.5/1064	10	C	2	LS	
5-20	104R5/2	100	O. C.				-	15	
2 00	10915-7	100				-			
-	-	-	-						
	-		-		-				
¹Type: C=C	oncentration, D=Dep	oletion, RM	1=Reduced	Matrix, MS	=Maske	d Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	cable to a	I LRRs, unl	less other	wise no	ted.)			or Problematic Hydric Soils <sup>3</sup> :
☐ Histosol	BOT-ON THE CASE OF THE PARTY OF		-	lyvalue Bel					uck (A9) (LRR O)
	pipedon (A2)			in Dark Su					uck (A10) (LRR S) d Vertic (F18) (outside MLRA 150A,B)
	istic (A3)			amy Mucky amy Gleye			. 0)		nt Floodplain Soils (F19) (LRR P, S, T)
The second secon	en Sulfide (A4) d Layers (A5)			pleted Mat		(1-2)		and the second s	ous Bright Loamy Soils (F20)
	Bodies (A6) (LRR F	P, T, U)	Telegraph .	dox Dark S		F6)		The second secon	A 153B)
	ucky Mineral (A7) (L		J) 🔲 De	pleted Dar	k Surfac	e (F7)		7	rent Material (TF2)
Muck P	resence (A8) (LRR L	J)	-	dox Depre	OM MACO YOU AND	-8)			nallow Dark Surface (TF12)
	uck (A9) (LRR P, T)		The state of the s	rl (F10) (L			-41	Other (E	Explain in Remarks)
	ed Below Dark Surface	ce (A11)		pleted Och n-Mangan				T) 3Indies	ators of hydrophytic vegetation and
	ark Surface (A12) Prairie Redox (A16) (	MI RA 15	- Comment	nbric Surfa				The second secon	and hydrology must be present,
	Mucky Mineral (S1) (			lta Ochric			, -,		ss disturbed or problematic.
	Gleyed Matrix (S4)			educed Ver			OA, 150B	)	
-	Redox (S5)			edmont Flo					
	d Matrix (S6)		An	omalous E	right Loa	amy Soils (	F20) (MLF	RA 149A, 153C,	153D)
1 1 0 - 1 0									
	urface (S7) (LRR P,				_				
Restrictive	Layer (if observed)								/
Restrictive Type:	Layer (if observed)							Under Call	Proceeds Von No
Restrictive Type: Depth (in								Hydric Soil	Present? Yes No
Restrictive Type: Depth (in	Layer (if observed)	):		100	-	a Pan	0 '	The state of the s	
Restrictive Type: Depth (in	Layer (if observed)	):	andwo	mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, (v	The state of the s	Present? Yes No
Restrictive Type: Depth (ir Remarks:	Layer (if observed)	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	Mer	Se	ePog	e, (Y	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	und wo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	Mer	Se	ePog	e, iv	The state of the s	



Wetland data point wcmp042e\_w facing east.



Wetland data point wcmp042e\_w facing northwest.

Project/Site: ACP		_ City/County: Camber	lond sam	npling Date: 3/30/16
Applicant/Owner: Dominion				pling Point: Wcmp042_1
Investigator(s): EST- J. Harlow	JUI, K. MUYPINEL	1 Section Township Range:		
Landform (hillslone terrace etc.): Hi	11510PE	Local relief (concave, conve	ex none): CONVEX	Slope (%): 2-4
Landform (hillslope, terrace, etc.): His	P 12:34	. 46043 Long	-78.41132	Datum: W65 8
Soil Map Unit Name: DY 5+10	cheapts sto	e Pa	NWI classification	· NI/A
Are climatic / hydrologic conditions on t			_ (If no, explain in Remar	
Are Vegetation, Soil, or			nal Circumstances" prese	
Are Vegetation, Soil, or			d, explain any answers in	
SUMMARY OF FINDINGS – A	ttach site map showi	ing sampling point loca	tions, transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes No	Is the Sampled Are	а	. /
Hydric Soil Present?	Yes No	within a Wetland?	Yes	No
Wetland Hydrology Present?	Yes No			
Remarks:				
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators	(minimum of two required)
Primary Indicators (minimum of one is	required; check all that app	nly)	Surface Soil Crac	ks (B6)
Surface Water (A1)	Aquatic Fauna	(B13)	Sparsely Vegetate	ed Concave Surface (B8)
High Water Table (A2)	Marl Deposits (i		Drainage Patterns	
Saturation (A3)	Hydrogen Sulfic		Moss Trim Lines	
Water Marks (B1)	2000 A SECTION 1 SECTION 1	spheres along Living Roots (C3		
Sediment Deposits (B2)	All the second of the second o	duced Iron (C4) duction in Tilled Soils (C6)	Crayfish Burrows	on Aerial Imagery (C9)
Drift Deposits (B3) Algal Mat or Crust (B4)	Thin Muck Surfa		Geomorphic Posi	
Iron Deposits (B5)	Other (Explain i		Shallow Aquitard	
Inundation Visible on Aerial Imag			FAC-Neutral Test	
Water-Stained Leaves (B9)			Sphagnum moss	(D8) (LRR T, U)
Field Observations:				
Surface Water Present? Yes _	No Depth (incl			
Water Table Present? Yes _	No Depth (incl	hes): 7201		1/
	No Depth (incl	hes): 720" Wetlan	d Hydrology Present?	Yes No
(includes capillary fringe)  Describe Recorded Data (stream gau	ige monitoring well serial n	hotos previous inspections) if a	available:	
Describe Necorded Data (Stream gas	ge, monitoring wen, denat pr	notes, previous inspections,; in		
Remarks:				
Tremans.				

Tree Stratum (Plot size: 308+ X 308+)  1. Carpinus Caruliniana 2. Quelcus Vulora 3.	% Cover 20 5	Dominant Species?	Status FAC	Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:  Total Number of Dominant Species Across All Strata:  (A)  (B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: 83% (A/B)
7		= Total Co		Prevalence Index worksheet:
50% of total cover: 12			_	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 308+ X308+)	20 /0 01	total cover		FAC species x 3 =
1. COPPINUS CONDITIONA	15	Y	FAC	FACU species x 4 =
2 Leucothoe axillaris.	10	V	FACW	UPL species x 5 =
3.				Column Totals: (A) (B)
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8		_	_	3 - Prevalence Index is ≤3.0 <sup>1</sup>
		= Total Co		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	, 5 20% of	total cover	:_5_	
Herb Stratum (Plot size: 30 F + X30 F)	10	V	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Arundinaria gigantea	- 10			be present, unless disturbed or problematic.
2. Woodwardlor areolata			OBL	Definitions of Four Vegetation Strata:
34				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
5 6				Sapling/Shrub - Woody plants, excluding vines, less
7 8				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
9				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10 11				Woody vine – All woody vines greater than 3.28 ft in height.
12.				Tielgit.
14.	12	= Total Co	vor	
50% of total cover:		f total cover		
Woody Vine Stratum (Plot size: 308+X308+) 1. Smilax (V+und: 80110	5	<u>y</u>	FAC	
2				
3				
4				
5				Hydrophytic
	_5_	= Total Co	ver	Vegetation
50% of total cover:	2. 5 20% 0	f total cove	. 1	Present? Yes No
Remarks: (If observed, list morphological adaptations	below).	The second of the		
Tremains: (ii observed, list morphological adaptations	20.011/			

Profile Desc	cription: (Describe	to the depth n				or confirm	the absence o	of indicators.)
Depth (inches)	Color (moist)	%	Redo Color (moist)	x Features	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-20	104R3/4	100	O O I O I I I I I I I I I I I I I I I I				LS	The same of the sa
	10/10/1				-			
						_	-	
	-			-		_		
				-	_			
	-			-				
.1911	-			-				
	-		an a second	-				The second section of the sect
Type: C=C	oncentration, D=Dep	oletion, RM=Re	duced Matrix, M	S=Masked	Sand Gr	ains.		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils <sup>3</sup> :
	Indicators: (Applic	able to all LRI	Polyvalue Be			DD S T I		luck (A9) (LRR O)
Histoso	pipedon (A2)		Thin Dark Su					luck (A10) (LRR S)
	istic (A3)		Loamy Muck					ed Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleye	ed Matrix (				ont Floodplain Soils (F19) (LRR P, S, T)
Market Co.	d Layers (A5)		Depleted Ma		_			lous Bright Loamy Soils (F20)
	Bodies (A6) (LRR P		Redox Dark Depleted Da	Control of the last of the las				RA 153B) arent Material (TF2)
THE REAL PROPERTY.	ucky Mineral (A7) (Li resence (A8) (LRR L		Redox Depre					hallow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (I					(Explain in Remarks)
	d Below Dark Surfac	ce (A11)	Depleted Oc					
	ark Surface (A12)		Iron-Mangar					ators of hydrophytic vegetation and
	rairie Redox (A16) ( Mucky Mineral (S1) (		Umbric Surfa Delta Ochric					land hydrology must be present, ess disturbed or problematic.
	Gleyed Matrix (S4)	LKK U, S)	Reduced Ve					coo distalled of presentation
	Redox (S5)		Piedmont FI					
	d Matrix (S6)		Anomalous I	Bright Loan	my Soils	(F20) (MLF	RA 149A, 153C	, 153D)
	urface (S7) (LRR P,							
	Layer (if observed)	):						/
Type:	- L		-				Hydric Soil	Present? Yes No
	nches):		-				Trydric doil	11030111 103 113
Remarks:								



Upland data point wcmp042\_u facing northeast.



Upland data point wcmp042\_u facing southeast.

Project/Site: ACP City	County: Cumberiona Sampling Date: 3/30/16
Applicant/Owner: Dominion	State: NC Sampling Point: Wenp 042 f. L.
Investigator(s): ESI-J. Harbur, K. Mulphrey sec	tion Township Range: NA
Landform (hillslope, terrace, etc.): deptession Loc	al relief (concave, convex, none): CONCOVE Slope (%): O-2
Subregion (LRR or MLRA): LRR P Lat: 34, 88	0+4 Long: 78, 81135 Datum: 1455
Soil Map Unit Name: Dy Struckrefts, Steef	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly dist	
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS – Attach site map showing sa	Impling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
NCWAM: BOHOMLAND HAYDWOOD FO	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (Li	
Saturation (A3) Hydrogen Sulfide Odor Water Marks (B1) Oxidized Rhizospheres	
Water Marks (B1) Oxidized Rhizospheres Sediment Deposits (B2) Presence of Reduced I	
Drift Deposits (B3) Recent Iron Reduction	
Algal Mat or Crust (B4) Thin Muck Surface (C7	
Iron Deposits (B5) Other (Explain in Rema	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? YesNo Depth (inches):	
Water Table Present? Yes No Depth (inches):	3
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:
Remarks:	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 308+ x308+ )		Species?		Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2. Corpinus coroliniona	20	V	FAC	
3. Toxodium disticham	15	Y	OBL	Total Number of Dominant Species Across All Strata:  (B)
4. Quercus michauxii	5	N	FACIN	
5. Acer rubium	10	Y	FAC	Percent of Dominant Species That Are OBL, FACW, or FAC:  (A/B)
6				
7.				Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
	50	= Total Cov	ver	OBL species x 1 =
50% of total cover: 25				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 306+ X306+)	2070 0.	10101 00101		FAC species x 3 =
1. Carpinus caroliniana	30	V	FAC	FACU species x 4 =
				UPL species x 5 =
2				Column Totals: (A) (B)
3,				
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1 Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.01
	30	= Total Cov	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: _ 1 S	20% of	total cover	: 6	
Herb Stratum (Plot size: 308+ X308+)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1.hDodwardia areolata	30	_/	OBL	be present, unless disturbed or problematic.
2. Arundinaria gigantea	10	Y	FACW	Definitions of Four Vegetation Strata:
3.				
4.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
				height.
5				
6				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				than 5 m. DBT and greater than 5.20 ft (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.				
	40	= Total Cov	ver	
50% of total cover: 20	20% of	total cover	. 8	
Woody Vine Stratum (Plot size: 305+X305-1)				
1. Smilex retunditolia	5	4	FAC	
2.		-/		
2				
3				
4				
5	-	-		Hydrophytic
	,	= Total Cov		Vegetation Present? Yes No
50% of total cover: 2,	20% of	total cover	:	11000111
Remarks: (If observed, list morphological adaptations below	w).			

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.   Texture   Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.   *Location: PL=Pore Lining, M=Matrix.   Indicators for Problematic Hydric Soils*:   Histosol (A1)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  1ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  1 Histosol (A1)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)
Dark Surface (S7) (LRR P, S, T, U)  estrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present? Yes No
emarks:



Wetland data point wcmp042f\_w facing north.



Wetland data point wcmp042f\_w facing southwest.

Project/Site: ACP	City	County CUMber	samplin	g Date: 3/30/16
Applicant/Owner: Dominion	Oily)	Journey.	State: NC Samplin	a Point: WcmpB4Ze
Investigator(s): EST- J. Harbou	C. K. Mulphleyen	tion Township Pange:	NA	
Landform (hillslope, terrace, etc.):	ression les		none): CONCAVE	Slone (%): (2-2
Subregion (LRR or MLRA): LRR	24 88	02 7	78 81177	Datum: \N65 8
Subregion (LRR or MLRA):	OFC CLOOP	Long:		01.0
Soil Map Unit Name: Dy Strochle		. /.	NWI classification:	
Are climatic / hydrologic conditions on the			(If no, explain in Remarks.)	1 2
Are Vegetation, Soil, or Hy			al Circumstances" present?	
Are Vegetation, Soil, or Hy	drology naturally probler	matic? (If needed,	explain any answers in Ren	narks.)
SUMMARY OF FINDINGS - Atta	ach site map showing sa	mpling point location	ons, transects, impo	rtant features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes No No No	Is the Sampled Area within a Wetland?	Yes No	
Wetland Hydrology Present?	Yes No	Within a Welland		
LIVEROLOGY.				
HYDROLOGY			Secondary Indicators (mir	nimum of two required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is re	autend; abook all that apply)		Surface Soil Cracks (	
Surface Water (A1)	Aquatic Fauna (B13)		THE RESERVE OF THE PARTY OF THE	Concave Surface (B8)
High Water Table (A2)	Marl Deposits (B15) (LI	RR U)	Drainage Patterns (B	
Saturation (A3)	Hydrogen Sulfide Odor		Moss Trim Lines (B16	
Water Marks (B1)	Oxidized Rhizospheres	along Living Roots (C3)	Dry-Season Water Ta	able (C2)
Sediment Deposits (B2)	Presence of Reduced I		Crayfish Burrows (C8	
Drift Deposits (B3)	Recent Iron Reduction	market more could do pr	Saturation Visible on	
Algal Mat or Crust (B4)	Thin Muck Surface (C7 Other (Explain in Rema		Geomorphic Position Shallow Aquitard (D3	
Iron Deposits (B5) Inundation Visible on Aerial Imagery		ins	FAC-Neutral Test (D	
Water-Stained Leaves (B9)	(0.7		Sphagnum moss (D8	
Field Observations:	/	1-		
Surface Water Present? Yes	No Depth (inches):	VA		
Water Table Present? Yes	No Depth (inches):	MIBBER		1/
Saturation Present? Yes	No Depth (inches): 5	Wetland	Hydrology Present? Yes	s No
(includes capillary fringe)  Describe Recorded Data (stream gauge	, monitoring well, aerial photos, p	previous inspections), if av	railable:	
Remarks:				

Tree Stratum (Plot size: 3084 × 3064)	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
1. Nune present		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata:  (B)
4 5		Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
8		OBL species x1 =
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	= Total Cover	FACW species x 2 =
	20% of total cover:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 308+X308-1)  1. Liquidam box Styraciacua	5 Y FAC	FACU species x 4 =
		UPL species x 5 =
2		Column Totals: (A) (B)
3		
4		
5		
6		Rapid Test for Hydrophytic Vegetation
7	·	2 - Dominance Test is >50%
8		- ☐ 3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	S 20% of total cover:	
Herb Stratum (Plot size: 30F+ x 30F+)	TA V FACI	Indicators of hydric soil and wetland hydrology must
1. Avundinavia gigantea	50 Y FACE	The state of the s
	10 N FAC	Definitions of Four Vegetation Strata:
3. SCIPUS CYPELIAUS	10 N OBL	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Dicharthelium Scoparium		more in diameter at breast height (DBH), regardless of
5. TUNCUS EFFUSCUS	5 N OBL	height.
6.		Sapling/Shrub – Woody plants, excluding vines, less
7		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.		11-t All h-t (non-woods) plants regardless
9		<ul> <li>Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.</li> </ul>
10		Woody vine – All woody vines greater than 3.28 ft in
11		height.
12,	40	
10	80 = Total Cover	
50% of total cover:	20% of total cover: 16	
Woody Vine Stratum (Plot size: 305+1305+1)		
a dan Directal		
1. NONE Plesent		
1. NONE PRESENT		
2		
		- Hudrophytic
2		- Hydrophytic Vegetation
2	O = Total Cover	- Hydrophytic Vegetation Present? Yes No
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation
2	= Total Cover 20% of total cover:	Vegetation

Fiome Desc								the absence o	
Depth	Matrix		purnecucu		Feature			the abouter	
(inches)	Color (moist)	%	Color (		%		Loc2	Texture	Remarks
0-1	104R5/6	100						Silt L	
1-5	104R5/1	90	Gley 1	2.5/1064	10	C	2	LS	
5-20	104R5/2	100	O. C.				-	15	
2 00	10915-7	100				-			
-	-	-	-						
	-		-		-				
¹Type: C=C	oncentration, D=Dep	oletion, RM	1=Reduced	Matrix, MS	=Maske	d Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	cable to a	I LRRs, unl	less other	wise no	ted.)			or Problematic Hydric Soils <sup>3</sup> :
☐ Histosol	BOT-ON THE CASE OF THE PARTY OF		-	lyvalue Bel					uck (A9) (LRR O)
	pipedon (A2)			in Dark Su					uck (A10) (LRR S) d Vertic (F18) (outside MLRA 150A,B)
	istic (A3)			amy Mucky amy Gleye			. 0)		nt Floodplain Soils (F19) (LRR P, S, T)
The second secon	en Sulfide (A4) d Layers (A5)			pleted Mat		(1-2)		The second secon	ous Bright Loamy Soils (F20)
	Bodies (A6) (LRR F	P, T, U)	Telegraph .	dox Dark S		F6)		The second secon	A 153B)
	ucky Mineral (A7) (L		J) 🔲 De	pleted Dar	k Surfac	e (F7)		7	rent Material (TF2)
Muck P	resence (A8) (LRR L	J)	-	dox Depre	OM MACO YOU AND	-8)			nallow Dark Surface (TF12)
	uck (A9) (LRR P, T)		The state of the s	rl (F10) (L			-41	Other (E	Explain in Remarks)
	ed Below Dark Surface	ce (A11)		pleted Och n-Mangan				T) 3Indies	ators of hydrophytic vegetation and
	ark Surface (A12) Prairie Redox (A16) (	MI RA 15	- Comment	nbric Surfa				The second secon	and hydrology must be present,
	Mucky Mineral (S1) (			lta Ochric			, -,		ss disturbed or problematic.
	Gleyed Matrix (S4)			educed Ver			OA, 150B	)	
-	Redox (S5)			edmont Flo					
	d Matrix (S6)		An	omalous E	right Loa	amy Soils (	F20) (MLF	RA 149A, 153C,	153D)
1 1 0 - 1 0									
	urface (S7) (LRR P,				_				
Restrictive	Layer (if observed)								/
Restrictive Type:	Layer (if observed)							Under Call	Proceeds Von No
Restrictive Type: Depth (in								Hydric Soil	Present? Yes No
Restrictive Type: Depth (in	Layer (if observed)	):		100	-	a Pan	0 '	The state of the s	
Restrictive Type: Depth (in	Layer (if observed)	):	andwo	mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, (v	The state of the s	Present? Yes No
Restrictive Type: Depth (ir Remarks:	Layer (if observed)	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	Mer	Se	ePog	e, (Y	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	und wo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	andwo	Mer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	wer	Se	ePog	e, iv	The state of the s	
Restrictive Type: Depth (ir Remarks:	nches):	):	undwo	Mer	Se	ePog	e, iv	The state of the s	



Wetland data point wcmp042e\_w facing east.



Wetland data point wcmp042e\_w facing northwest.

Project/Site: ACP		_ City/County: Camber	lond sam	npling Date: 3/30/16
Applicant/Owner: Dominion				pling Point: Wcmp042_1
Investigator(s): EST- J. Harlow	JUI, K. MUYPINEL	1 Section Township Range:		
Landform (hillslone terrace etc.): Hi	11510PE	Local relief (concave, conve	ex none): CONVEX	Slope (%): 2-4
Landform (hillslope, terrace, etc.): His	P 12:34	. 46043 Long	-78.41132	Datum: W65 8
Soil Map Unit Name: DY 5+10	cheapts sto	e Pa	NWI classification	· NI/A
Are climatic / hydrologic conditions on t			_ (If no, explain in Remar	
Are Vegetation, Soil, or			nal Circumstances" prese	
Are Vegetation, Soil, or			d, explain any answers in	
SUMMARY OF FINDINGS – A	ttach site map showi	ing sampling point loca	tions, transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes No	Is the Sampled Are	а	. /
Hydric Soil Present?	Yes No	within a Wetland?	Yes	No
Wetland Hydrology Present?	Yes No			
Remarks:				
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators	(minimum of two required)
Primary Indicators (minimum of one is	required; check all that app	nly)	Surface Soil Crac	ks (B6)
Surface Water (A1)	Aquatic Fauna	(B13)	Sparsely Vegetate	ed Concave Surface (B8)
High Water Table (A2)	Marl Deposits (i		Drainage Patterns	
Saturation (A3)	Hydrogen Sulfic		Moss Trim Lines	
Water Marks (B1)	2000 A SECTION 1 SECTION 1	spheres along Living Roots (C3		
Sediment Deposits (B2)	All the second of the second o	duced Iron (C4) duction in Tilled Soils (C6)	Crayfish Burrows	on Aerial Imagery (C9)
Drift Deposits (B3) Algal Mat or Crust (B4)	Thin Muck Surfa		Geomorphic Posi	
Iron Deposits (B5)	Other (Explain i		Shallow Aquitard	
Inundation Visible on Aerial Imag			FAC-Neutral Test	
Water-Stained Leaves (B9)			Sphagnum moss	(D8) (LRR T, U)
Field Observations:				
Surface Water Present? Yes _	No Depth (incl			
Water Table Present? Yes _	No Depth (incl	hes): 7201		1/
	No Depth (incl	hes): 720" Wetlan	d Hydrology Present?	Yes No
(includes capillary fringe)  Describe Recorded Data (stream gau	ige monitoring well serial n	hotos previous inspections) if a	available:	
Describe Necorded Data (Stream gas	ge, monitoring wen, denat pr	notes, previous inspections,; in		
Remarks:				
Tremans.				

Tree Stratum (Plot size: 308+ X 308+)  1. Carpinus Caruliniana 2. Quelcus Vulora 3.	% Cover 20 5	Dominant Species?	Status FAC	Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:  Total Number of Dominant Species Across All Strata:  (A)  (B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: 83% (A/B)
7		= Total Co		Prevalence Index worksheet:
50% of total cover: 12			_	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 308+ X308+)	20 /0 01	total cover		FAC species x 3 =
1. COPPINUS CONDITIONA	15	Y	FAC	FACU species x 4 =
2 Leucothoe axillaris.	10	V	FACW	UPL species x 5 =
3.				Column Totals: (A) (B)
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8		_	_	3 - Prevalence Index is ≤3.0 <sup>1</sup>
		= Total Co		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	, 5 20% of	total cover	:_5_	
Herb Stratum (Plot size: 30 F + X30 F)	10	V	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Arundinaria gigantea	- 10			be present, unless disturbed or problematic.
2. Woodwardlor areolata			OBL	Definitions of Four Vegetation Strata:
34				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
5 6				Sapling/Shrub - Woody plants, excluding vines, less
7 8				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
9				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10 11				Woody vine – All woody vines greater than 3.28 ft in height.
12.				Tielgit.
14.	12	= Total Co	vor	
50% of total cover:		f total cover		
Woody Vine Stratum (Plot size: 308+X308+) 1. Smilax (V+und: 80110	5	<u>y</u>	FAC	
2				
3				
4				
5				Hydrophytic
	_5_	= Total Co	ver	Vegetation
50% of total cover:	2. 5 20% 0	f total cove	. 1	Present? Yes No
Remarks: (If observed, list morphological adaptations	below).	The second of the		
Tremains: (ii observed, list morphological adaptations	20.011/			

Profile Desc	cription: (Describe	to the depth n				or confirm	the absence o	of indicators.)
Depth (inches)	Color (moist)	%	Redo Color (moist)	x Features	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-20	104R3/4	100	O O I O I I I I I I I I I I I I I I I I				LS	The same of the sa
	10/10/1				-			
						_	-	
	-			-		_		
				-	_			
	-			-				
.1911	-			-				
	-		an a second	-				The second section of the sect
Type: C=C	oncentration, D=Dep	oletion, RM=Re	duced Matrix, M	S=Masked	Sand Gr	ains.		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils <sup>3</sup> :
	Indicators: (Applic	able to all LRI	Polyvalue Be			DD S T I		luck (A9) (LRR O)
Histoso	pipedon (A2)		Thin Dark Su					luck (A10) (LRR S)
	istic (A3)		Loamy Muck					ed Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleye	ed Matrix (				ont Floodplain Soils (F19) (LRR P, S, T)
Market Co.	d Layers (A5)		Depleted Ma		_			lous Bright Loamy Soils (F20)
	Bodies (A6) (LRR P		Redox Dark Depleted Da	Control of the late of the lat				RA 153B) arent Material (TF2)
THE REAL PROPERTY.	ucky Mineral (A7) (Li resence (A8) (LRR L		Redox Depre					hallow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (I					(Explain in Remarks)
	d Below Dark Surfac	ce (A11)	Depleted Oc					
	ark Surface (A12)		Iron-Mangar					ators of hydrophytic vegetation and
	rairie Redox (A16) ( Mucky Mineral (S1) (		Umbric Surfa Delta Ochric					land hydrology must be present, ess disturbed or problematic.
	Gleyed Matrix (S4)	LKK U, S)	Reduced Ve					coo distalled of presentation
	Redox (S5)		Piedmont FI					
	d Matrix (S6)		Anomalous I	Bright Loan	my Soils	(F20) (MLF	RA 149A, 153C	, 153D)
	urface (S7) (LRR P,							
	Layer (if observed)	):						/
Type:	- L		-				Hydric Soil	Present? Yes No
	nches):		-				Trydric doil	11030111 103 113
Remarks:								



Upland data point wcmp042\_u facing northeast.



Upland data point wcmp042\_u facing southeast.

Project/Site: Dominion City/C	County: Cumberiond Sampling Date: 3/30/16
Applicant/Owner: ACP	State: NC Sampling Point: WEMPOHLE-W
	on, Township, Range: NA
Landform (hillslope, terrace, etc.): Defression Local Subregion (LRR or MLRA): LRRP Lat:34,880 Soil Map Unit Name: DYSTYOCHYEPTS, SteeP	relief (concave, convex, none): CONCAVE Slope (%): 0-2 207 Long: -78.8) 162 Datum: W65.8  NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly disturb	bed? 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 sam	ppling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:	Is the Sampled Area within a Wetland? YesNo
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: check all that apply)  Surface Water (A1) Aquatic Fauna (B13)  High Water Table (A2) Marl Deposits (B15) (LRF Hydrogen Sulfide Odor (COT)  Water Marks (B1) Oxidized Rhizospheres a Presence of Reduced Iro Print Deposits (B3) Recent Iron Reduction in Algal Mat or Crust (B4) Thin Muck Surface (C7)  Iron Deposits (B5) Other (Explain in Remark Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	C1)
Field Observations:  Surface Water Present? Yes No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches): Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, presents)	Wetland Hydrology Present? Yes No
Remarks:	

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

2 . 24	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 308+X3064)	% Cover Species? Status	Number of Dominant Species
1. None Plesent		That Are OBL, FACW, or FAC: (A)
2.		
		Total Number of Dominant
3.		Species Across All Strata: (B)
4		Percent of Dominant Species
5,		That Are OBL, FACW, or FAC: (A/B)
6		
7.		Prevalence Index worksheet:
The state of the s		Total % Cover of: Multiply by:
8	O = Total Cover	OBL species x 1 =
		FACW species x 2 =
50% of total cover:	20% of total cover:	5 - [1] 전환경 (1) 10 10 10 10 10 10 10 10 10 10 10 10 10
Sapling/Shrub Stratum (Plot size: 30 Ft X 30 Ft)		FAC species x 3 =
11000 1110000		FACU species x 4 =
2.		UPL species x 5 =
ARTER STANDARD AND AND AND AND AND AND AND AND AND AN		Column Totals: (A) (B)
3,		
4.		Prevalence Index = B/A =
5.		Hydrophytic Vegetation Indicators:
6.		
7.		2 - Dominance Test is >50%
######################################		[1]   1]
8	10	3 - Prevalence Index is ≤3.0¹
	Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	20% of total cover:	
Herb Stratum (Plot size: 30 F+ x 30 F+)		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Rubus argutas	30 Y FAC	be present, unless disturbed or problematic.
2. Carex lurida	10 N OBL	Definitions of Four Vegetation Strata:
		beimmons of rour vegetation of att.
3. Solidago gigantea	TO THEW	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Juncus effusus	5 N FACE	more in diameter at breast height (DBH), regardless of
5		height.
6.		Sapling/Shrub - Woody plants, excluding vines, less
1998 Fig. 4 (4) 10 (4)		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.
Adaptive contract the second second representation of the second		
12	55	
27 (	= Total Cover	
50% of total cover: 27. 5	20% of total cover:	
Woody Vine Stratum (Plot size 308+X308+)		
1. None Plesent		
2		
3		
4		
5.		Hydrophytic
	O = Total Cover	Vegetation
	Total Cover	Present? Yes No
50% of total cover:	20% of total cover:	
Remarks: (If observed, list morphological adaptations below	ow).	

	cription: (Describe					or confiri	m the abs		0			
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Feature %	Type	Loc²	Text	ıre			Remarks	
0-2	104R2/1		Color (moist)	70	1100		mach		1000		11011101110	
0-5			10 0011	101	-		A management to the	they	roam			
3-20	104R3/1	90	104R3/6	10	-	M	Silt	L				
					O THE STATE OF	0.000	-	Million S	PATE I	BOW I		
							-	-	-			
									QUALITY OF		N. O. P. O. C. C.	
1= 0.6	A STATE OF THE STA		B-4	C-14l			21	-11	DI =Do	en I ini	na M=Mat	-lu
	Concentration, D=Dep Indicators: (Application)					ams.					ng, M=Mat ntic Hydric	
		able to all				DD C T						Cons .
Histoso			Polyvalue Be				The state of the s		Muck (A			
A	pipedon (A2)		Thin Dark Su						Muck (A			MLRA 150A,B)
	listic (A3)		Loamy Muck			. 0)						(LRR P, S, T)
State of the second of the sec	en Sulfide (A4)		Loamy Gleye		(72)						amy Soils	
	ed Layers (A5)	T 115	Depleted Ma		· 6)		- '		RA 153		arily Solis	(120)
	c Bodies (A6) (LRR P, lucky Mineral (A7) (LR		Redox Dark Depleted Da	Epite 1000-924 (4300-12700) (52)				125 7 3995 AVE	arent M		(TF2)	
IC. CO. C. C. CERTHONESON RESTRICTOR	resence (A8) (LRR U		Redox Depre								Surface (TF	12)
	uck (A9) (LRR P, T)	,	Marl (F10) (L		-,				(Explair			7
	ed Below Dark Surface	(A11)	Depleted Oc		(MLRA 1	51)			,			
Committee Annual Committee Annual Committee Co	Park Surface (A12)	. (****)	Iron-Mangan				. T)	3Indi	cators o	hydro	phytic veg	etation and
16	Prairie Redox (A16) (N	ILRA 150									y must be p	
30-11-11-11-15-14-15-16-16-16-16-16-16-16-16-16-16-16-16-16-	Mucky Mineral (S1) (L		Delta Ochric						Marine Contraction Co.	130 W. 100 W	or problem	
10-11-11-11-11-11-11-11-11-11-11-11-11-1	Gleyed Matrix (S4)		Reduced Ve			0A, 150B	)					
150 mars and 2000 report to the 2000 and	Redox (S5)		Piedmont Flo									
CONTRACTOR OF PROPERTY AND A 2 TO	d Matrix (S6)		Anomalous B					1530	, 153D)			
	urface (S7) (LRR P, S	, T, U)										
	Layer (if observed):						19 82 70 DE					/
							28 GESPACE					
Type:											1/	
	nches):						Hydri	c Soi	Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Soi	l Preser	nt?	Yes	_ No
	nches):						Hydri	c Soi	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Soi	l Preser	nt? '	Yes	_ No
Depth (in	nches):			•			Hydri	c Soi	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Soi	l Preser	nt?	Yes	No
Depth (in	nches):						Hydri	c Soi	l Preser	nt?	Yes	No
Depth (in	nches):						Hydri	c Soi	l Preser	nt? '	Yes	No
Depth (in	nches):						Hydri	c Sol	l Preser	nt? '	Yes	No
Depth (in	nches):						Hydri	c Soi	l Preser	nt?	Yes	No
Depth (in	nches):						Hydri	c Soi	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Soi	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Soi	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Soi	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Soi	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Soi	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Sol	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Sol	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Sol	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Sol	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Sol	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Sol	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Sol	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Sol	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Sol	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Sol	l Preser	nt?	Yes	_ No
Depth (in	nches):						Hydri	c Sol	l Preser	nt?	Yes	_ No



Wetland data point wcmp041e\_w facing south.



Wetland data point wcmp041e\_w facing south.

Project/Site: ACP	Cit./C	Cumpet	rland	Sampling Date: 3/30/16
TO THE STATE OF TH	City/C		provide a place of the control of th	
Applicant/Owner: Oom/nion	11 110 10			Sampling Point: Wemp 041-4
Investigator(s): FSI-J. Hav way, 15,				_ a
Landform (hillslope, terrace, etc.): hill Slope	Local	relief (concave, convex	c, none): CONVE	Slope (%): 0-1
Subregion (LRR or MLRA): LRR P	Lat: 34,880	Long:	-78.8116	4 Datum: W65 8
Soil Map Unit Name: Dystrochrept.				eation: NA
Are climatic / hydrologic conditions on the site typ		os No		
				1/
Are Vegetation, Soil, or Hydrolog				present? Yes No
Are Vegetation, Soil, or Hydrology	y naturally problems	atic? (If needed,	explain any answe	rs in Remarks.)
SUMMARY OF FINDINGS - Attach s	ite map showing san	pling point locati	ions, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes _	V No			
Hydric Soil Present? Yes _	No No	Is the Sampled Area		
네는 항상 중에 생각하면 없다면 어떻게 있다. 전에 있는 전에 있는 것이 없었다면 사람들이 되었다면 하는데	No V	within a Wetland?	Yes	No
Remarks:				
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required:	check all that apply)		Surface Soil	
Surface Water (A1)	_ Aquatic Fauna (B13)		The second of the second state of the second	getated Concave Surface (B8)
High Water Table (A2)	_ Marl Deposits (B15) (LRF	R U)	Drainage Pat	
	_ Hydrogen Sulfide Odor (0		Moss Trim Li	
Water Marks (B1)	Oxidized Rhizospheres a			Water Table (C2)
	Presence of Reduced Iro		Crayfish Burn	
	Recent Iron Reduction in		P. S. January 11, 12, 12, 12, 12, 12, 12, 12, 12, 12,	isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	_ Thin Muck Surface (C7)			Position (D2)
Iron Deposits (B5)	Other (Explain in Remark	s)	Shallow Aqui	itard (D3)
Inundation Visible on Aerial Imagery (B7)			FAC-Neutral	Test (D5)
Water-Stained Leaves (B9)			Sphagnum m	noss (D8) (LRR T, U)
Field Observations:	/			
Surface Water Present? Yes No				
Water Table Present? Yes No	Depth (inches):	20		
Saturation Present? Yes No			Hydrology Presen	nt? Yes No
(includes capillary fringe)	ring well periol photos, pro	vieus inspections) if av	railable:	
Describe Recorded Data (stream gauge, monito	oring well, aerial priotos, pre	vious inspections), ii av	raliable.	
Powerke				
Remarks:				

TEGETATION (Four Grand)	ос о. р			
206442064	Color Annual Color State Color	The second secon	t Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30F+x30F+	% Cover	Species	? Status	Number of Dominant Species
1. None Piesen+				That Are OBL, FACW, or FAC:(A)
2				Total Number of Dominant
3.		1.00		Species Across All Strata: (B)
4				-6.
				Percent of Dominant Species 75%
5.	-	1. 1987a		That Are OBL, FACW, or FAC: (A/B)
6				
7.				Prevalence Index worksheet:
		in Committee of the co		Total % Cover of: Multiply by:
8.	the spirite of			THE PARTY OF THE P
	0	= Total Co	over	OBL species x 1 =
500/ - 51-1-1	STREET, STREET			FACW species x 2 =
50% of total cover:	20% 0	total cove	:r:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 308+ X 308+)				\$2,000 MONTH \$4.000 ACC \$2,000 MONTH \$4.000
1. Liquidombow Styracistua	10	Y	FAC	FACU species x 4 =
	16	1		UPL species x 5 =
2. Acer Morum	12	1	FAC	
3				Column Totals: (A) (B)
4				Prevalence Index = B/A =
5.				Hydrophytic Vegetation Indicators:
6.				[ 12 전상기 : 12 전성도 - 12 전성기 : 12 전 12
				- Rapid Test for Hydrophytic Vegetation
7.		3.012		2 - Dominance Test is >50%
8.				3 - Prevalence Index is ≤3.01
	25	= Total Co		
	-00	- Total Co	IVE!	Problematic Hydrophytic Vegetation1 (Explain)
50% of total cover:	20% of	f total cove	r: _>	
Herb Stratum (Plot size: 30 F+ X 20 F+)				11-41-4
Older a Variation	21	1/	FAC	¹Indicators of hydric soil and wetland hydrology must
1. Rulous argutus	30	-	1110	be present, unless disturbed or problematic.
2.				Definitions of Four Vegetation Strata:
NO STANDARD AND STANDARD STANDARD WINDOWS AND	O. SMARK STATE OF STREET			
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				Manager All was deviced assets than 2.29 ft in
				Woody vine – All woody vines greater than 3.28 ft in
11.				height.
12.				
	30	= Total Co	ver	
50% of total cover:	20% 0	f total cove	r:	
Woody Vine Stratum (Plot size: 308+123084)				
1. Lonicera japonica	10	4	FACCI	
. COLLECT TOPPERE			and or management of a life	
2.				
3.				
		OR PERMIT		
4.				
5.				Hydrophytic
	10	= Total Co	wor	Vegetation
	FT-100 - 100 TO 100	Side of the Section of		Present? Yes No
50% of total cover:	20% 0	f total cove	r:	
Remarks: (If observed, list morphological adaptations belo	w)	ar Vois /r Pris pr	part to transmission	PROGRAMMED THE TOTAL TRANSPORT OF THE PROPERTY
remains. (Il observed, list morphological adaptations sele				

Profile Description: (Describe to the dep			r or confirm	the absence of ir	dicators.)	
Depth (inches)	Color (moist)	x Features % Type		Texture 5	Remarks	
1Type: C=Concentration, D=Depletion, RM:  Hydric Soil Indicators: (Applicable to all  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 1504)  Sandy Mucky Mineral (S1) (LRR O, S)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)	LRRs, unless other  Polyvalue Bel Thin Dark Sur Loamy Mucky Loamy Gleyer Depleted Mate Redox Dark Sor Depleted Dark Redox Depreted Dark Redox Depreted Och Iron-Mangane Delta Ochric ( Reduced Verl Piedmont Floor	wise noted.) low Surface (S8) rface (S9) (LRR 5 y Mineral (F1) (LF d Matrix (F2) trix (F3) Surface (F6) k Surface (F7) ssions (F8) RR U) nric (F11) (MLRA ese Masses (F12) ce (F13) (LRR P, (F17) (MLRA 151) tic (F18) (MLRA odplain Soils (F12)	(LRR S, T, U 5, T, U) RR O) (151) (LRR O, P, T, U) ) (50A, 150B) (MLRA 149	Indicators for I  I cm Muck I cm Muck Reduced V Piedmont F Anomalous (MLRA 1 Red Parent Very Shallo Other (Exp  T)  Indicators wetland unless of	Material (TF2) bw Dark Surface (TF12) lain in Remarks) s of hydrophytic vegetati hydrology must be pres listurbed or problematic.	RA 150A,B) RR P, S, T) 0) on and ent,
Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type: Depth (inches):  Remarks:	Anomalous B			Hydric Soil Pre		No V



Upland data point wcmp041\_u facing east.



Upland data point wcmp041\_u facing west.

Project/Site: ACP City/County: Cumber land Sampling Date: 9/19/16  Applicant/Owner: Dominion State: NC Sampling Point: womoD35f-
Investigator(s): EST - L. Roper, L. Johnson Section, Township, Range: None
Landform (hillslope, terrace, etc.): drain age Local relief (concave, convex, none): Longard Slope (%): 3-7% Subregion (LRR or MLRA): LFF P Lat: 34.88680 Long: -78.81463 Datum: W6586
Subregion (LRR or MLRA): <u>LFF T</u> Lat: <u>34.88680</u> Long: <u>-78.81463</u> Datum: <u>W6384</u>
Soil Map Unit Name: Delass loam NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No  Yes No  No  No  Within a Wetland?  Yes No
Remarks:
NCWAM: Riverine Swamp Forest
HYDROLOGY
Wetland Hydrology Indicators:  Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)  Surface Soil Cracks (B6)
Surface Water (A1)  High Water Table (A2)  Aquatic Fauna (B13)  Marl Deposits (B15) (LRR U)  Drainage Patterns (B10)
High Water Table (A2)  Marl Deposits (B15) (LRR U)  Saturation (A3)  Marl Deposits (B15) (LRR U)  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)
☐ Jron Deposits (B5) ☐ Other (Explain in Remarks) ☐ Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)  FAC-Neutral Test (D5)
Water-Stained Leaves (B9)  Sphagnum moss (D8) (LRR T, U)
Field Observations:
Surface Water Present?  Yes No Depth (inches): No Depth (inches): 5 rn
Saturation Present? Yes No Depth (inches): 511 Aug Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:

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

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

2+0 7-0	Absolute Domin		Dominance Test worksheet:		
Tree Stratum (Plot size: 30ff x 30ff)	% Cover Speci		Number of Dominant Species	7	
1. Taxodium distichum	20 Y	DBL	That Are OBL, FACW, or FAC:		(A)
2.					
			Total Number of Dominant	3	(D)
3			Species Across All Strata:		(B)
4			Percent of Dominant Species		
5			That Are OBL, FACW, or FAC:	100	(A/B)
6				Indiana a	
7.			Prevalence Index worksheet:		
8.			Total % Cover of:	Multiply by:	_
	20 = Total		OBL species x	1 =	
1.	The second secon	CONTRACTOR OF THE ACCUSATION AND ACCUSATION OF THE PARTY	FACW species x		COMMUNICATION OF STANCES
50% of total cover: 1D	20% of total co	ver:	FAC species x		
Sapling/Shrub Stratum (Plot size: 30f4 x 30f4)			TOTAL SECTION AND ADMINISTRATION OF THE PROPERTY OF THE PROPER		Chica Coperation
1. none			FACU species x		ment at the first state of
2.			UPL species x	5 =	_
			Column Totals: (A	)	_ (B)
3					
4.			Prevalence Index = B/A =		_
5,			Hydrophytic Vegetation Indica	tors:	FRANKE
6			Rapid Test for Hydrophyt		
7.			2 - Dominance Test is >50%		
8.					
			3 - Prevalence Index is ≤3.0		
	= Total		Problematic Hydrophytic Veg	getation¹ (Expla	ıin)
50% of total cover:	20% of total co	ver:			
Herb Stratum (Plot size: 30f4 x30f4)	1. 1		<sup>1</sup> Indicators of hydric soil and wetl	and hydrology	must
1. Murdannia Keisak	66 4	OBL	be present, unless disturbed or p	roblematic.	
2. Microstegium vimineum	30 Y	FAC	Definitions of Four Vegetation	Strata:	THE PROPERTY.
3. Boehmeria cylindrica	10 N	FACW			
The Company of the Co	A COMMISSION AND CORP. IN A SERVICE STATE OF	PRODUCTION OF THE PROPERTY.	Tree - Woody plants, excluding		
4			more in diameter at breast heigh	t (DBH), regard	less of
5			height.		
6.			Sapling/Shrub - Woody plants,	excluding vines	s, less
7			than 3 in. DBH and greater than	3.28 ft (1 m) tal	d.
8.					
			Herb – All herbaceous (non-woo of size, and woody plants less th	dy) plants, rega	ardless
9			of size, and woody plants less th	an 5.20 it tail.	
10.			Woody vine - All woody vines g	reater than 3.2	8 ft in
11.			height.		
12					
	= Total	Cover			30.000
50% of total cover: 50	20% of total co				
Woody Vine Stratum (Plot size: 30ft x 30ft)	20 /0 01 total co	VCI			
1. None					
2.					
3					
4.					
				,	
5	0 = Total		Hydrophytic		
	er var westernoons at the collection of		Vegetation Yes	No	
50% of total cover:	20% of total co	ver:	163	A STATE OF THE STA	
Remarks: (If observed, list morphological adaptations belo	w).				

		٠		
•	rı			
_	u		L	_

Sampling Point:

		to the de	oth needed to docu			or confirm	the absence o	of Indicators.)
Depth (inches)	Color (moist)	%	Color (moist)	ox Feature %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-20	104R31	80	10 YR 4/6	20	C	M	L	
		- 00	10 115 10					
TO SECULO SECULO								
¹Type: C=C	oncentration D=De	nletion RM	=Reduced Matrix, M	S=Masker	Sand Gr	aine	<sup>2</sup> Location: F	PL=Pore Lining, M=Matrix.
			LRRs, unless other			ams.		or Problematic Hydric Soils <sup>3</sup> :
☐ Histosol			☐ Polyvalue B			RR S. T. U		uck (A9) (LRR O)
The second secon	pipedon (A2)		Thin Dark S					uck (A10) (LRR S)
Black H	istic (A3)		Loamy Muci			(0)		d Vertic (F18) (outside MLRA 150A,B)
The second secon	en Sulfide (A4)		Loamy Gley		(F2)			nt Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma		-01		WILLIAM TO THE STORY OF WARRING TO SHOULD BE A STORY OF THE STORY OF T	ous Bright Loamy Soils (F20) A 153B)
	Bodies (A6) (LRR I ucky Mineral (A7) (L		APPENDING TO THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY	PERSON OF THE STATE OF THE STAT				rent Material (TF2)
The second secon	resence (A8) (LRR		Redox Depr					allow Dark Surface (TF12)
	ick (A9) (LRR P, T)		Marl (F10) (					Explain in Remarks)
	d Below Dark Surfa		Depleted Oc					
A CONTRACTOR OF THE PARTY OF TH	ark Surface (A12)		Iron-Mangar					itors of hydrophytic vegetation and
	rairie Redox (A16) (					, U)		and hydrology must be present, ss disturbed or problematic.
	Mucky Mineral (S1) ( Gleyed Matrix (S4)	(LKK U, S)	Delta Ochrid			0Δ 150B)		ss disturbed of problematic.
10.000	Redox (S5)		Piedmont FI					
	Matrix (S6)						A 149A, 153C,	153D)
	rface (S7) (LRR P,							
Restrictive	Layer (if observed	):						
Type:								/
Depth (in	ches):						Hydric Soil F	Present? Yes No
Remarks:								



Wetland data point wcmo035f\_w facing north.



Project/Site: ACP Applicant/Owner: Dominion	City/C			ing Date: 9119116
Investigator(s): ESI-L, Rooe	- 1 Tahasan - "			ing Point: want 6555 = 1
				2 7
Landform (hillslope, terrace, etc.):	Local Local	relief (concave, convex, n	one): CONVEX	Slope (%): _5 = /
Subregion (LRR or MLRA): LPR	Lat: 34,88	676 Long: <u></u>	78.81478	Datum: W 658°
Soil Map Unit Name: De loss 10	am		NWI classification: _	NA
Are climatic / hydrologic conditions on the	a site typical for this time of year?			
Are Vegetation, Soil, or F			Circumstances" present?	
Are Vegetation, Soil, or F			plain any answers in Re	
SUMMARY OF FINDINGS – At				
Hydrophytic Vegetation Present?	Yes No	Is the Sampled Area		
Hydric Soil Present?	Yes No	within a Wetland?	YesN	/
Wetland Hydrology Present?	Yes No	Within a Wetland	165	
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (m	inimum of two required)
Primary Indicators (minimum of one is	equired: check all that apply)	Ī	Surface Soil Cracks	
Surface Water (A1)	Aquatic Fauna (B13)			Concave Surface (B8)
High Water Table (A2)	Marl Deposits (B15) (LR	RU)	Drainage Patterns (E	
Saturation (A3)	Hydrogen Sulfide Odor (		Moss Trim Lines (B1	6)
Water Marks (B1)	Oxidized Rhizospheres a	along Living Roots (C3)	Dry-Season Water T	able (C2)
Sediment Deposits (B2)	Presence of Reduced Iro	n (C4)	Crayfish Burrows (C	
Drift Deposits (B3)	Recent Iron Reduction in	Tilled Soils (C6)		Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface (C7)		Geomorphic Position	
Iron Deposits (B5)	Other (Explain in Remark	KS) I	Shallow Aquitard (D: FAC-Neutral Test (D	#####################################
Inundation Visible on Aerial Image Water-Stained Leaves (B9)	y (B/)	†	Sphagnum moss (Di	발표 구시한 집에 없는 하네요. 살아서 내가 있는 것이 없는 것이 없는 것이다.
Field Observations:			Spriagriditi filoss (Di	o) (Little 1, 0)
	No Depth (inches):	NA		
Water Table Present? Yes	No Depth (inches):	>20		
Saturation Present? Yes	No Depth (inches):	>20 Wetland Hy	drology Present? Ye	s No
(includes capillary fringe)				
Describe Recorded Data (stream gauge	e, monitoring well, aerial photos, pre	evious inspections), if avail	able:	
Remarks:				

Tree Stratum (Plot size: 30ft x 30ft)	Absolute Dominant Indicator	Dominance Test worksheet:
	% Cover Species? Status	Number of Dominant Species
1. Quercus alba	10 Y FACU	That Are OBL, FACW, or FAC: (A)
2. Liquidambar styraciflua	15 Y FAC	
	ID Y FAL	Total Number of Dominant
3. Acer rubrum		Species Across All Strata: (B)
4. Carpinus caroliniana	10 Y FAC	
THE CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE CONTRACTOR OF THE PROPERTY OF THE PROPER		Percent of Dominant Species That Are OBL, FACW, or FAC: 88/, (A/B)
5		That Are OBL, FACW, or FAC: OB/ (A/B)
6	The state of the s	
7		Prevalence Index worksheet:
8.		Total % Cover of: Multiply by:
	TI E	OBL species x 1 =
	45 = Total Cover	
50% of total cover: 22	5 20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30ff x 30ff)		FAC species x 3 =
	:= V =100	FACU species x 4 =
1. Carpinus caroliniana		THE RESIDENCE AND ADMINISTRAL PROPERTY OF THE
2. Lightdambar styraciflua	10 Y FAL	UPL species x 5 =
		Column Totals: (A) (B)
3		
4.		Prevalence Index = B/A =
5.		Control (MACA) And Annual Macada Macada Annual Annual MacA
		The Control of the Co
6.		Rapid Test for Hydrophytic Vegetation
7.		2 - Dominance Test is >50%
CONTRACTOR AND ABOUT THE A		- 10 10
8.	7.0	-   L 3 - Prevalence Index is ≤3.01
	20 = Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	20% of total cover:	
Herb Stratum (Plot size: 30ft x30ft)		
		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. none		be present, unless disturbed or problematic.
2		Definitions of Four Vegetation Strata:
3.	parameter was a second second	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4.		more in diameter at breast height (DBH), regardless of
○ 2000年では、1000年のからにおおいません。 1000年の前には、100		height.
5.		
6.		Sapling/Shrub - Woody plants, excluding vines, less
		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
[4] [4] [4] [4] [4] [4] [4] [4] [5] [6] [6] [6] [6] [6] [6] [6] [6] [6] [6		I than 5 m. Don and greater than 5.20 k (1 m) tan.
7		- Itali 5 III. Doi'r and greater than 5.25 k (1 III) tail.
B	The state of the s	- Herb – All herbaceous (non-woody) plants, regardless
B	The state of the s	
8 9		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 9		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	= Total Cover	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	= Total Cover	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	= Total Cover 20% of total cover:	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	= Total Cover 20% of total cover:	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.  9.  10.  11.  12.  50% of total cover:  Woody Vine Stratum (Plot size: 30ft x30ft)  1. Taxico dendran radicans  2. Smilax rotunditalia  3.		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.  9.  10.  11.  12.  50% of total cover:  Woody Vine Stratum (Plot size: 30ft x36ft)  1. Toxico dendran radicans  2. Smilax rotunditalia  3.  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 height.
8.  9.  10.  11.  12.  50% of total cover:  Woody Vine Stratum (Plot size: 30ft x30ft)  1. Taxico dendran radicans  2. Smilax rotunditalia  3.		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
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 height.  Hydrophytic Vegetation
8.  9.  10.  11.  12.  50% of total cover:  Woody Vine Stratum (Plot size: 30ft x36ft)  1. Toxico dendran radicans  2. Smilax rotunditalia  3.  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 height.  Hydrophytic
8	0 = Total Cover 20% of total cover: 5	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	0 = Total Cover 20% of total cover: 5	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	0 = Total Cover 20% of total cover: 5	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	0 = Total Cover 20% of total cover: 5	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	0 = Total Cover 20% of total cover: 5	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	0 = Total Cover 20% of total cover: 5	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	0 = Total Cover 20% of total cover: 5	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	0 = Total Cover 20% of total cover: 5	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	0 = Total Cover 20% of total cover: 5	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

-	0	
	u	

Sampling Point: \_\_\_\_

Profile Desc	ription: (Describe	to the depth	needed to docu	ment the i	indicator	or confirm	the absence of	indicators.)	
Depth	Matrix	0/		x Feature		12	T	Remarks	
(inches) D-ZU	Color (moist)	100	Color (moist)	%	Type <sup>1</sup>	_Loc²	Texture	Remarks	
0 00	10 / K 3/3	100					50		
309 755 3				1.000	-				
1- 0.0							21	-D I I-i M-M-t-	
	ncentration, D=Dep ndicators: (Applic					ains.		_=Pore Lining, M=Matr r Problematic Hydric	
Histosol		able to all El	Polyvalue Be			RRSTII		ck (A9) (LRR O)	
	ipedon (A2)		Thin Dark St				PRODUCTION OF THE PROPERTY OF	ck (A10) (LRR S)	
Black His			Loamy Muck					Vertic (F18) (outside I	MLRA 150A,B)
19 Table 19	Sulfide (A4)		Loamy Gleye	#1641961114611000000000000000000000000000	F2)			Floodplain Soils (F19)	
	Layers (A5)		Depleted Ma				Charles Company of the Company of th	us Bright Loamy Soils (	F20)
	Bodies (A6) (LRR F cky Mineral (A7) (L		Redox Dark Depleted Da				☐ (MLRA	nt Material (TF2)	
	esence (A8) (LRR L		Redox Depre					llow Dark Surface (TF1	2)
	ck (A9) (LRR P, T)		Marl (F10) (L		-,			plain in Remarks)	
	Below Dark Surface	ce (A11)	☐ Depleted Oc		(MLRA 1	51)			
The Control of the Co	rk Surface (A12)		Iron-Mangan					ors of hydrophytic vege	
	airie Redox (A16) (					, U)		nd hydrology must be p s disturbed or problema	
	ucky Mineral (S1) ( eyed Matrix (S4)	LRR 0, 5)	Delta Ochric Reduced Ve			DA 150R)	uniess	disturbed of problems	uc.
	edox (S5)		Piedmont Flo				9A)		
	Matrix (S6)						A 149A, 153C, 1	53D)	
	face (S7) (LRR P,								
	ayer (if observed)								/
Type:			<del>-</del>						/
Depth (inc	hes):		_				Hydric Soil Pr	esent? Yes	No
Remarks:									



Upland data point wcmo035\_u facing west.



Project/Site: PCP City	County: Comberland Sampling Date: 4/5/16
Applicant/Owner: Dominion	State: NC Sampling Point: WcmoDZZf_N
Investigator(s): L. Roper, S. Bryan Sec	
Least and (hillands demand at a) + P x C (A ( P )	al relief (concave, convex, none): CONVEX Slope (%): 0-5/
Landform (nilisiope, terrace, etc.). 1211 0000	3069 Long: -78, 81888 Datum: W 6585
[1] : [1] :	Long: 470,01000 Datum. 14 (33)
Soil Map Unit Name: Chewacla loam	NWI classification: PFO
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 dist	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? YesNo	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	Within a Wetianu 7
Remarks: abnormally dry conditions	
livestock access	
Thesion access	
NCWAM: Headwater forest	
HYDROLOGY	
to be a street of the design of the design of the design of the street o	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)  Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (L	(2.4) [2.1]
Saturation (A3) Hydrogen Sulfide Odor	
	along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)  Presence of Reduced I	5:14:14일 5
☐ Drift Deposits (B3) ☐ Recent Iron Reduction	2002년(1914년 1915년 1917년 1914년 19
Algal Mat or Crust (B4)  Thin Muck Surface (C7	[25] [25] [25] [25] [25] [25] [25] [25]
☐ Iron Deposits (B5) ☐ Other (Explain in Rema	arks)
Inundation Visible on Aerial Imagery (B7)	Sphagnum moss (D8) (LRR T, U)
Water-Stained Leaves (B9) Field Observations:	<u> </u>
Surface Water Present? Yes No Depth (inches):	111
Water Table Present? Yes No Depth (inches): 5	orface /
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:
Remarks:	

	Absolute Dom	inant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft x30 ft)	% Cover Spe		Number of Deminent Species
1. Alex rubrum	20 1	and the second second	That Are OBL, FACW, or FAC: (A)
2. Pinus taeda	10 Y	FAC	
3. Carpinus caroliniana	15		Total Number of Dominant Species Across All Strata:  (B)
TO CONTRACTOR OF A PROPERTY OF A STATE OF THE STATE OF TH			Species Across All Strata: (B)
4.			Percent of Dominant Species
5.			That Are OBL, FACW, or FAC: (A/B)
6.			
7.			Prevalence Index worksheet:
CASA CHARLES AND			Total % Cover of: Multiply by:
8			OBL species x 1 =
22	45 = Tota		FACW species x 2 =
50% of total cover: 22	20% of total	cover:	FAC species x3 =
Sapling/Shrub Stratum (Plot size: 30ft x 30ft)			
1. Acer rubrum	10	1 FAC	FACU species x 4 =
2. Carpinus caroliniana		FAC	UPL species x 5 =
		FAC	Column Totals: (A) (B)
3. Liquistrum sinense	10	THE	
4		RECORD SERVED TO	Prevalence Index = B/A =
5.			Hydrophytic Vegetation Indicators:
6.			1 - Rapid Test for Hydrophytic Vegetation
7.			2 - Dominance Test is >50%
	portrat by the least	ngar ng di sanan aran	
8.	2-		3 - Prevalence Index is ≤3.01
	30 = Tota		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 15	20% of total	cover:	
Herb Stratum (Plot size: 30f4 x 30f4)			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Athyrium asplenioides	ID Y	FAC	be present, unless disturbed or problematic.
	10 4	FAC	Definitions of Four Vegetation Strata:
Different week per legisteren vonder einer samterpretten met die het manufatente betreit het die alle alteratives is	· Control to the control of the control	spenier de la companier de	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.			Carting/Sharb Woody plants excluding vines less
			Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7.			than 5 m. Don and groater than 5 as it (1 m) to
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.
	HEATTER ASSE		Troight.
12.	7.0	5.020. mach 1811.	
	= Tot		AND A SECRETARIO CONTRACTOR OF THE PROPERTY OF
50% of total cover: 10	20% of total	cover:	
Woody Vine Stratum (Plot size: 30++ x 30++)			
Woody Vine Stratum (Plot size: 30ff x 30ff)	10 )	FAC	
1. Smilax rotunditolia		FAC	
1. 5 milax rotundifolia 2. Toxico dendron radicans		FAC	
1. Smilax rotunditolia			
1. Smilax rotunditolia			
1. Smilax rotunditolia			Hydraphytic
1. Smilax rotunditolia	10 ) 5 )	FAC	Hydrophytic Vegetation
1. Smilax rotunditalia 2. Toxico dendron radicans 3. 4.	10 ) 5 )	FAC	Hydrophytic Vegetation Present? Yes No
1. Smilax rotundifolia 2. Toxico dendron radicans 3. 4. 5. 50% of total cover: 713	10 y 5 y	FAC	Vegetation /
1. Smilax rotunditalia 2. Toxico dendron radicans 3. 4.	10 y 5 y	FAC	Vegetation /
1. Smilax rotundifolia 2. Toxico dendron radicans 3. 4. 5. 50% of total cover: 713	10 y 5 y	FAC	Vegetation /
1. Smilax rotundifolia 2. Toxico dendron radicans 3. 4. 5. 50% of total cover: 713	10 y 5 y	FAC	Vegetation /
1. Smilax rotundifolia 2. Toxico dendron radicans 3. 4. 5. 50% of total cover: 713	10 y 5 y	FAC	Vegetation /
1. Smilax rotundifolia 2. Toxico dendron radicans 3. 4. 5. 50% of total cover: 713	10 y 5 y	FAC	Vegetation /
1. Smilax rotundifolia 2. Toxico dendron radicans 3. 4. 5. 50% of total cover: 713	10 y 5 y	FAC	Vegetation /
1. Smilax rotundifolia 2. Toxico dendron radicans 3. 4. 5. 50% of total cover: 713	10 y 5 y	FAC	Vegetation /
1. Smilax rotundifolia 2. Toxico dendron radicans 3. 4. 5. 50% of total cover: 713	10 y 5 y	FAC	Vegetation /

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

		to the depth	needed to docum			or confirm	the absence of i	indicators.)
Depth (inches)	Matrix Color (moist)	<u>%</u>	Color (moist)	Features %	Type <sup>1</sup>	Loc²	Texture	Remarks
D-ZO	10 Y R 51.	105	7.51R 578	35	C	M	CL	
0 20	10 IF II		110 16 16	-00				
				e included				
							or a second second second	
¹Type: C=C	ncentration D=De	pletion RM=F	Reduced Matrix, MS	=Masked	Sand Gr	ains.	<sup>2</sup> Location: PL	=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to all L	RRs, unless other	wise not	ed.)		Indicators for	Problematic Hydric Soils <sup>3</sup> :
☐ Histosol			☐ Polyvalue Be			RR S, T, U		k (A9) (LRR O)
	oipedon (A2)		Thin Dark Su					k (A10) (LRR S)
The second secon	stic (A3)		Loamy Mucky			(0)		Vertic (F18) (outside MLRA 150A,B)
	n Sulfide (A4)		Loamy Gleye		F2)			Floodplain Soils (F19) (LRR P, S, T) us Bright Loamy Soils (F20)
A Particular Control of the Control	d Layers (A5) Bodies (A6) (LRR I	D T III	Depleted Mat		6)		(MLRA	and July 18. T. (1984), 18. (1984), 19. (1984), 18. (1984), 18. (1984), 18. (1984), 18. (1984), 18. (1984), 18.
	icky Mineral (A7) (L		Depleted Dar		Total Control of the			nt Material (TF2)
The state of the s	esence (A8) (LRR		Redox Depre		8)			llow Dark Surface (TF12)
	ick (A9) (LRR P, T)		Marl (F10) (L				Other (Ex	plain in Remarks)
17 TOTAL B. C. (170) OF STREET	d Below Dark Surfa	ce (A11)	Depleted Oct				T) <sup>3</sup> Indicate	ors of hydrophytic vegetation and
	ark Surface (A12) rairie Redox (A16)	(MI RA 150A)						nd hydrology must be present,
	Aucky Mineral (S1)		Delta Ochric					s disturbed or problematic.
	Sleyed Matrix (S4)		Reduced Ver					
	Redox (S5)		Piedmont Flo					
	Matrix (S6)		Anomalous E	Bright Loa	my Soils	(F20) (MLR	A 149A, 153C, 1	53D)
	rface (S7) (LRR P, Layer (if observed							
Type:	Layer (II observed	,.						
The VIII of the Add to begin to	ches):		_				Hydric Soil Pr	resent? Yes No
Remarks:	G1163).							
Remarks.								



Wetland data point wcmo022f\_w facing north.

