Project/Site: ACP City/C	County: Cumberland Sampling Date: 6-10-16
Applicant/Owner: Dominion	State: NC Sampling Point: Wcmp 049s-w
Investigator(s): ESI(W. Vaughan, Harboun) Secti	on Township Range: \\ OO \&
Landform (hillslope, terrace, etc.):	
Subregion (LRR or MLRA): LRRP Lat: 34.872	
Soil Map Unit Name: Johnston loam	NWI classification: PSS
Are climatic / hydrologic conditions on the site typical for this time of year?	
	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
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 apply)	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
Aigh Water Table (A2) Aigh Water Table (A2) Addatic Fadria (B15) Addatic Fadria (B15)	
Saturation (A3) Hydrogen Sulfide Odor (
☐ Water Marks (B1) ☐ Oxidized Rhizospheres a	
Sediment Deposits (B2)	
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in	Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) H Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Under (Explain in Remark	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	☐ Sphagnum moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes No Depth (inches):	:-
Water Table Present? Yes No Depth (inches): Set No Depth (inches): S	
Saturation Present? Yes No Depth (inches): _Si	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
	% 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)
4					(2)
5				Percent of Dominant Species	O (A/B)
				That Are OBL, FACW, or FAC:	(A/B)
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply	by:
8				OBL species x 1 =	The second secon
	0	= Total Co	/er		
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. Alnus semulata	40	yes	FACW	FACU species x 4 =	
2. Acer rubrum	5	no	FAC	UPL species x 5 =	<u> </u>
The state of the s				Column Totals: (A)	(B)
3					
4				Prevalence Index = B/A =	
5				Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegeta	tion
7.				2 - Dominance Test is >50%	
8.					
	45	Total Ca		3 - Prevalence Index is ≤3.01	
22 5		= Total Cov		Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover: 22.5	_ 20% of	total cover			
Herb Stratum (Plot size: 30ft X 30ft)				¹ Indicators of hydric soil and wetland hydro	logy must
1. Peltandra viginica	15	ves	OBL	be present, unless disturbed or problematic	c.
2. Nughar lutea	20	yes	OBL	Definitions of Four Vegetation Strata:	
3. Juneus effusus	5	no	OBL		
4. Typha latifolia		no	OBL	Tree - Woody plants, excluding vines, 3 in	
				more in diameter at breast height (DBH), re	egardless of
5. Eleocharis Palustris		no	OBL	height.	
6. Persicaria Sagittata	5	no	OBL	Sapling/Shrub - Woody plants, excluding	vines, less
7				than 3 in. DBH and greater than 3.28 ft (1)	m) tall.
8				Harb All barbaras (non-sunadis) plants	
9.				Herb – All herbaceous (non-woody) plants of size, and woody plants less than 3.28 ft	, regardiess
				or ones, and troody planta less than ones it	tun.
10				Woody vine - All woody vines greater that	n 3.28 ft in
11				height.	
12.	,				
	60:	= Total Cov	er		
50% of total cover: 30	20% of	total cover	12		
Woody Vine Stratum (Plot size: 30ft X 30ft)					
1. None					
1. 10012					
2.					
3.					
4					
5				Hydrophytic	
	0 :	= Total Cov	er	Vegetation	
50% of total cover:				Present? Yes No	
		total cover			
Remarks: (If observed, list morphological adaptations below).				

Depth _	tion: (Describe Matrix			ox Features				
(inches) 0-8	Color (moist)	100	Color (moist)	<u>%</u>	Type ¹	_Loc²	Texture	Remarks
Hydric Soil Ind Histosol (A' Histic Epipe Black Histic Hydrogen S Stratified La Organic Bo Tom Mucky Muck Prese 1 cm Muck Depleted Bo Thick Dark Coast Prairi Sandy Muc Sandy Gley Sandy Red Stripped Ma Dark Surfac	edon (A2) (A3) Sulfide (A4) Ayers (A5) dies (A6) (LRR P, Mineral (A7) (LR Ance (A8) (LRR U, (A9) (LRR V, (A9)	T, U) TR P, T, U) A (A11) C (A11) C (RR O, S)	s, unless other Polyvalue Be Thin Dark Se Loamy Muck Loamy Gley Depleted Ma Redox Dark Depleted Da Redox Depre Marl (F10) (I Depleted Oc Iron-Mangar Umbric Surfa Reduced Ve Piedmont Fle	erwise note elow Surface urface (S9) ky Mineral (I ed Matrix (F3) atrix (F3) Surface (F6 ark Surface essions (F8 LRR U) chric (F11) (I ese Masse ace (F13) (I i (F17) (MLI oodplain So	d.) e (S8) (L (LRR S, F1) (LRR S, F1) (LRR S, F1) (F7)) MLRA 15 s (F12) (L RR P, T, RA 151) MLRA 15(ils (F19)	RR S, T, U) T, U) O) ER O, P, T U) DA, 150B) (MLRA 149	Indicators for F 1 cm Muck 2 cm Muck Reduced Ve Piedmont F Anomalous (MLRA 15 Red Parent Very Shallor Other (Explain) 3 Indicators wetland unless di (A) 149A, 153C, 153	Material (TF2) w Dark Surface (TF12) ain in Remarks) of hydrophytic vegetation and hydrology must be present, sturbed or problematic.
Remarks:	NR Pas	+ 8:-	due	to	h igh	Wal	ter table	



Wetland data point wcmp049s_w facing northeast.



Project/Site: ACP City	//County: Cumberland Sampling Date: 6-10-16
Applicant/Owner: Dominion	State: NC Sampling Point: WCMP 049 F
Investigator(s): FSI(W. Vaughan, J. Harbour) Sec	
	cal relief (concave, convex, none): Concave Slope (%): 3-5
Subregion (LRR or MLRA): LRRP Lat: 34. 8	7322 528 Long: -78. 86299297 Datum: WGS84
Soil Map Unit Name: Johnston loam	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year?	
	turbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally proble	
SUMMARY OF FINDINGS – Attach site map showing sa	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks:	- 0 - >
NCWAM: Riverine Swam	p torest
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (L	RR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor	
4 1 Town 1.74 1.75 1	s along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced I Recent Iron Reduction	4. NO. 19. A. 19
Algal Mat or Crust (B4) Algal Mat or Crust (B4) Thin Muck Surface (C7	나는 사람들은 사람들이 나는 아이들은 아이들은 사람들이 되었다. 그들은 사람들이 되었다면 하는데 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들
☐ Iron Deposits (B5) ☐ Other (Explain in Rema	4. MARINE SECURIO (1994 - 1994 - 1995
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	☐ Sphagnum moss (D8) (LRR T, U)
Field Observations:	1.
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Surface Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:
Remarks:	

ee Stratum (Plot size: 30ft X 30ft)	Absolute	ants.	Indicator	Dominance Test workshee	ampling Point: <u>الما</u>	
	% Cover	Species?	Status	Number of Dominant Specie	s 10	
Pinus taeda Acer rubrum	26	yes	FAC	That Are OBL, FACW, or FA	C:	(A)
Quercus Misra			FAC	Total Number of Dominant Species Across All Strata:	10	(B)
Nyssa Sylvatice		ves	FAC			(D)
The Alberta Land Come			TAC	Percent of Dominant Species That Are OBL, FACW, or FA		(A/B)
			545,00			. (////
				Prevalence Index workshe		
				Total % Cover of:	The second section of the second section is a second section of the	
		= Total Cov		OBL species	The state of the s	
50% of total cover:	5 20% of	total cover	10	FAC species		
pling/Shrub Stratum (Plot size: 30ft X 30ft)	70		Tele.	FACU species		
Ilex corracea		yes	FACW	UPL species		
Itea Virginica		res	FACU	Column Totals:		
Nyssa sylvatica	- 5	no	-	Column rotals.		_ (5)
Acer rubrum		no	FAC	Prevalence Index = B/	A =	_
				Hydrophytic Vegetation Inc		
				1 - Rapid Test for Hydro	phytic Vegetation	-
				2 - Dominance Test is >		
	55			3 - Prevalence Index is	3.0 ¹	
77		= Total Cov		Problematic Hydrophytic	: Vegetation1 (Expla	ain)
50% of total cover: <u>Z7</u> erb Stratum (Plot size: 30ft X 30ft)	20% 01	total cover				
	10	yes	OBL	¹Indicators of hydric soil and	wetland hydrology	must
Woodwardia Virginica Peltandra Virginica	5		DBL	be present, unless disturbed		
Woodwardia areolata	5	yes	OBL	Definitions of Four Vegetat	ion Strata:	
ACCOUNT OF THE STATE OF THE STA		yes	UBL	Tree - Woody plants, exclud	ing vines, 3 in. (7.6	cm) or
			CONTRACTOR AND ADDRESS OF	more in diameter at breast he height.	eight (DBH), regard	lless of
				Sapling/Shrub – Woody pla than 3 in. DBH and greater the	nts, excluding vines	s, less
				Herb – All herbaceous (non- of size, and woody plants les		ardless
				or size, and woody plants les	5 tildii 5.20 it taii.	
				Woody vine – All woody vine	es greater than 3.2	Bitin
				Woody vine – All woody vine height.	es greater than 3.2	B ft in
					es greater than 3.2	B ft in
	20	= Total Cov			es greater than 3.2	B ft in
50% of total cover:	20				es greater than 3.2	8 ft in
50% of total cover:	20				es greater than 3.2	8 ft in
50% of total cover:/ soody Vine Stratum (Plot size: 30ft X 30ft) Smilex aur folta	20				es greater than 3.2	B ft in
50% of total cover: _/ body Vine Stratum (Plot size: 30ft X 30ft) Smilex aurifolia Toxicoderd von radicans	20				es greater than 3.2	B ft in
50% of total cover:/ body Vine Stratum (Plot size: 30ft X 30ft) Smilex aurifolta Toxicodendron radicans	20 : 0 20% of 10 5				es greater than 3.2	B ft in
50% of total cover:/ sody Vine Stratum (Plot size: 30ft X 30ft) Smilex aurifolia Toxicodendron radicans	20 : 0 20% of 10 5			height.	es greater than 3.2	B ft in
Smilex aurifolia Toxicodendron radicans	20 : 20% of 10 5	yes yes	FACW FAC	height. Hydrophytic	es greater than 3.2	B ft in
50% of total cover:/ soody Vine Stratum (Plot size: 30ft X 30ft) Smilex aurifolia Toxicodendron radicans	20 : 20% of 10 5		FACW FAC	Hydrophytic	es greater than 3.2	B IT IN

Depth Matrix		Redox Fe		01 001111111	the absence of in	alloutoro.)
(inches) Color (moist) (byr 2/1		lor (moist)	% Type ¹	Loc ²	ML Texture	Remarks
Type: C=Concentration, D=Delydric Soil Indicators: (Appliant Histosol (A1) Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR 5 cm Mucky Mineral (A7) (LMA) Muck Presence (A8) (LRR 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A12) Coast Prairie Redox (A16) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, Restrictive Layer (if observed Type: Depth (inches): Remarks:	Cable to all LRRs,	unless otherwise Polyvalue Below S Thin Dark Surface Loamy Mucky Mir Loamy Gleyed Ma Depleted Matrix (I Redox Dark Surfa Depleted Dark Sur Redox Depression Marl (F10) (LRR I Depleted Ochric (Iron-Manganese I Umbric Surface (F Delta Ochric (F17 Reduced Vertic (F Piedmont Floodpl Anomalous Bright	e noted.) Surface (S8) (L e (S9) (LRR S, heral (F1) (LRF atrix (F2) F3) Ince (F6) Inface (F7) Ins (F8) J) Masses (F12) (F13) (LRR P, T e) (MLRA 151) F18) (MLRA 15 ain Soils (F19) E Loamy Soils (F19)	RR S, T, U) T, U) O) OA, 150B) (MLRA 149 F20) (MLRA	Indicators for F 1 cm Muck 2 cm Muck Reduced Ve Piedmont F Anomalous (MLRA 15 Red Parent Very Shallo Other (Expl.) 3 Indicators wetland unless d A) 149A, 153C, 153 Hydric Soil Pres	Material (TF2) w Dark Surface (TF12) ain in Remarks) s of hydrophytic vegetation and hydrology must be present, isturbed or problematic. D) sent? Yes No



Wetland data point wcmp049f_w facing east.



Wetland data point wcmp049f_w facing north.

Project/Site: ACP	Cityl	county Cumberly	and Sampling Date: 6-10-16
Applicant/Owner: Dominion	City/C		State: NC Sampling Point: WCMP 049
Investigator(s): ESI(W. Vaug)	T Weeks 5 South	an Taumahia Banasi Y	Sampling Folia.
Landform (nillslope, terrace, etc.):	Local	relief (concave, convex, i	none): Con Vex Slope (%):
			-78.86309384 Datum: WGS84
Soil Map Unit Name: Tohnston			NWI classification:/\(\mathcal{D}\) A
Are climatic / hydrologic conditions on the			나가 있었다. 사람이 그 사람이 하나 아니는 사람들이 나가 하는 것이 하는 것이 하는 것이 하는데
Are Vegetation, Soil, or H	ydrology significantly distur	rbed? Are "Normal	Circumstances" present? Yes X No
Are Vegetation, Soil, or H	ydrology naturally problem	atic? (If needed, e	explain any answers in Remarks.)
SUMMARY OF FINDINGS - Att	ach site map showing san	npling point locatio	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No		
Hydric Soil Present?	Yes No	Is the Sampled Area	Yes No
Wetland Hydrology Present?	Yes No Yes No	within a Wetland?	Yes No _V
Remarks:			
HYDROLOGY			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is re	equired; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	Aquatic Fauna (B13)		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Marl Deposits (B15) (LRI		Drainage Patterns (B10)
Saturation (A3)	Hydrogen Sulfide Odor (6		Moss Trim Lines (B16)
Water Marks (B1)	Oxidized Rhizospheres a		Dry-Season Water Table (C2)
Sediment Deposits (B2) Drift Deposits (B3)	Presence of Reduced Iro Recent Iron Reduction in		Crayfish Burrows (C8)
Algal Mat or Crust (B4)	Thin Muck Surface (C7)	Tilled Solls (Co)	Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2)
Iron Deposits (B5)	Other (Explain in Remark	(s)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imager			FAC-Neutral Test (D5)
☐ Water-Stained Leaves (B9)			Sphagnum moss (D8) (LRR T, U)
Field Observations:			
Surface Water Present? Yes	No Depth (inches): N	A	
	No Depth (inches): > 5		
	No Depth (inches): _ >	20 in Wetland H	ydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge	monitoring well, aerial photos, pre	evious inspections), if avai	ilable:
	, , , , , , , , , , , , , , , , , , , ,		
Remarks:			

	Absolute	Dominan	t Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: 30ft X 30ft)	% Cover		-	Number of Dominant Species	4	
	_15		FAC	That Are OBL, FACW, or FAC:	,	(A)
2. Nussa Sylvatica	10	yes	FAC	Total Number of Demisers		
3.				Total Number of Dominant Species Across All Strata:	4	(B)
4.				opedies Adioss All ottata.		(0)
				Percent of Dominant Species	100	
5				That Are OBL, FACW, or FAC:	100	(A/B)
6				Prevalence Index worksheet:		
7				Total % Cover of:	Multiply by	
8,				To the state that show that the second of th		4 4 to 7 (4) 1 1 1 1 1 1 1 1
	25	= Total Co	over	OBL species x		165-037 1 107-108
50% of total cover: 12.5	20% of	total cove	5	FACW species x	2 =	_
Sapling/Shrub Stratum (Plot size: 30ft X 30ft)				FAC species x	3 =	_
1. Ilex Coriacea	60	1.05	FACIL	FACU species x	4 =	
				UPL species x		Harris Control Control
2				Column Totals: (A		INCOME STATE OF THE PARTY OF TH
3.				Coldilli Totals(A	,	_ (0)
4.				Prevalence Index = B/A =		
5.				Hydrophytic Vegetation Indica		
6.				The second secon		
				1 - Rapid Test for Hydrophyt		
7				2 - Dominance Test is >50%		
8				☐ 3 - Prevalence Index is ≤3.0		
		= Total Co	AND THE RESERVE OF THE PARTY OF	Problematic Hydrophytic Veg	getation ¹ (Expla	in)
50% of total cover: 30	_ 20% of	total cove	r: 12			
Herb Stratum (Plot size: 30ft X 30ft)				¹ Indicators of hydric soil and wetl	and budralagy (must
1. None				be present, unless disturbed or p		iiusi
				Definitions of Four Vegetation	SECTION OF THE PROPERTY OF THE PARTY OF THE PARTY.	
2				Delinitions of Four Vegetation	Strata.	
3.				Tree - Woody plants, excluding	vines, 3 in. (7.6	cm) or
4				more in diameter at breast height	t (DBH), regard	ess 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-woo		rdless
9				of size, and woody plants less the	an 3.28 it tail.	
10				Woody vine - All woody vines g	reater than 3.28	ft in
11				height.		
12						
	0 :	= Total Co	ver	Experies to see all seems of the second	EDAUMOZNIE SINON	
50% of total cover:		total cove				
Woody Vine Stratum (Plot size: 30ft X 30ft)	_ 2070 01	total cove	The state of the s			
	15	1.00	FACW			
1. Smilax laurifolia	-,5	yes	FACIO			
2.						
3						
4						
5.		THE STATE OF		1111		
	15	= Total Co	wor	Hydrophytic Vegetation		
76				Present? Yes	No	
50% of total cover: 7-5	Section of the section of	total cove	r:			
Remarks: (If observed, list morphological adaptations below	v).					

Depth	cription: (Describe Matrix		Red	ox Feature	s			
(inches)	Color (moist)		Color (moist)	%	Type ¹	_Loc ²		Remarks
0-2	10, - 2/2	100					<u>LS</u>	
2-20	10yr 3/3	100			=		<u>F5</u>	
Histosol Histosol Histic E Black Hi Hydroge Stratified Organic 5 cm Mu Muck Pr 1 cm Mu Depleter Thick Da Coast P Sandy M Sandy G Stripped Dark Su	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) Bodies (A6) (LRR F Joky Mineral (A7) (Li resence (A8) (LRR P, T) d Below Dark Surface ark Surface (A12) rairie Redox (A16) (I Mucky Mineral (S1) (I Bleyed Matrix (S4) Redox (S5) I Matrix (S6) rface (S7) (LRR P, S Layer (if observed)	eable to all I P, T, U) RR P, T, U) De (A11) MLRA 150A LRR O, S)	RRs, unless other Polyvalue Be Thin Dark Se Loamy Muce Loamy Gley Depleted Ma Redox Dark Depleted Da Redox Depr Marl (F10) (I Depleted Oc Iron-Mangar Delta Ochric Reduced Ve Piedmont Fle	erwise not elow Surfa urface (S9 ky Mineral ed Matrix (F3) Surface (Fark Surface essions (F LRR U) chric (F11) nese Mass ace (F13) (CF17) (ML ertic (F18) (OOD)	ed.) ce (S8) (L) (LRR S, (F1) (LRR (F2) 66) ((F7) (B) (MLRA 15 es (F12) (I (LRR P, T, LRA 151) (MLRA 15 eoils (F19)	RR S, T, U T, U) O) 51) LRR O, P, U) 0A, 150B) (MLRA 14	Indicators for P 1 cm Muck (2 cm Muck (Reduced Ve Piedmont Fit Anomalous I (MLRA 15 Red Parent I Very Shallov Other (Expla	Material (TF2) v Dark Surface (TF12) sin in Remarks) of hydrophytic vegetation and hydrology must be present, sturbed or problematic.



Upland data point wcmp049_u facing south.



Upland data point wcmp049_u facing west.

Project/Site: ACP City/County: Cumberland Sampling Date: 4-6-16
$1.16 \times 1.06 \times $
Investigator(s): FST (RTurnbull / W. Vaughan) Section, Township, Range: none
Landform (hillslope, terrace, etc.): Drawnee Local relief (concave, convex, none): Concave Slope (%): 4-16
Subregion (LRR or MLRA): <u>/ RRP </u>
Soil Map Unit Name: 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 No No No Yes No Yes No Yes No
NCWam - Riverine Swamp forest abnormally day 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) Marl Deposits (B15) (LRR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Presence of Reduced Iron (C4) Crayfish Burrows (C8)
Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)
☐ Water-Stained Leaves (B9) ☐ Sphagnum moss (D8) (LRR T, U)
Field Observations:
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes No Depth (inches): 8 / Wetland Hydrology Present? Yes No Depth (inches): 2 / No Wetland Hydrology Present? Yes No Depth (inches): 2 / No No Depth (inches): 2 / No Depth (inches): 2
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 300 x 300)		Species?	Status	Number of Dominant Species
1. Quercus nigra	15	no	Fac	That Are OBL, FACW, or FAC: (A)
2. Liniodendron tulipifera	20	yes	Facu	Total Number of Dominant
3. Acer rubrum	40	yes	Fac	Species Across All Strata: (B)
4. Pinus taeda	20	yes	Fac	
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.				That Are OBE, I ACVV, OIT AC.
				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8			Tellin some	OBL species x 1 =
		= Total Cov		FACW species x 2 =
50% of total cover: <u>47.5</u>	20% of	total cover	:	FAC species x3 =
Sapling/Shrub Stratum (Plot size: 30ft 230ft)				FACU species x 4 =
1. Ilex cor:acea	70	yes	Facu	ks
2. Persea palustrus	10	10	Facu	UPL species x 5 =
3. Lourothoe oxillars	_15	no	Facu	Column Totals: (A) (B)
4.		Min. Carl		Prevalence Index = B/A =
5.				Strate Control
6.	AND WINDS AND TO A TO	THE REST TRACTOR	PROPERTY OF LAND OF STREET	Hydrophytic Vegetation Indicators:
PARTICLE AND ALL SALES AND ALL				1 - Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
8,	- 00			3 - Prevalence Index is ≤3.0'
		= Total Cov		Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: <u>47.5</u>	20% of	total cover	19	
Herb Stratum (Plot size: 30f4 x 30f4)				¹ Indicators of hydric soil and wetland hydrology must
1. None				be present, unless disturbed or problematic.
2,				Definitions of Four Vegetation Strata:
3.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4.				more in diameter at breast height (DBH), regardless of
5				height.
그리 유럽씨요 이 5 일하면 하는 10년 전에 되었다. 한 사람들은 한 분들에 되었다. 하는 하는 그런 사람들은 사람들은 사람들은 사람들이 되었다. 그 그 10 10 10 10 10 10 10 10				a U (St. t. Manda plants evaluding vines loss
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.			<u> </u>	Woody vine - All woody vines greater than 3.28 ft in
11.				height.
12				
	0	= Total Cov	/er	
50% of total cover:	20% of	total cover		
Woody Vine Stratum (Plot size: 30f4 = 30f4)				
1. Smilas laurifolia	20	yes	Facul	
			Tucus .	
2				
3.				
4.				
5				Hydrophytic
	20	= Total Co	ver	Vegetation Present? Yes No
50% of total cover: /o	20% of	total cover	: 4	Present? Yes No No
Remarks: (If observed, list morphological adaptations belo	w).			
Themand. (ii obberved, iid morphologista adaptations belo				

Depth	Matrix	to the dept	h needed to docum	x Features				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	<u>Texture</u>	Remarks
)-5	10 y 2/1	100					SL	
5-20	10414/2	100					s	
			Pasific Assistan					
Гуре: С=С	oncentration, D=De	pletion, RM=	Reduced Matrix, MS	S=Masked	Sand Gra	ains.		Pore Lining, M=Matrix.
		cable to all l	RRs, unless other					Problematic Hydric Soils ³ :
Histosol			Polyvalue Be					(A9) (LRR O) (A10) (LRR S)
AND DESCRIPTION OF THE PARTY OF	pipedon (A2)		Thin Dark Su Loamy Muck					ertic (F18) (outside MLRA 150A,B)
	istic (A3) en Sulfide (A4)		Loamy Gleye			٠,		Toodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma		/			Bright Loamy Soils (F20)
	Bodies (A6) (LRR	P, T, U)	Redox Dark		6)		(MLRA 1	53B)
5 cm Mi	ucky Mineral (A7) (L	RR P, T, U)	Depleted Dar	rk Surface	(F7)			t Material (TF2)
	resence (A8) (LRR		Redox Depre		8)			ow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Mari (F10) (L	persidate Carrows, # JANSS 19	/MI DA 4	E41)	Uner (Exp	lain in Remarks)
	d Below Dark Surfa ark Surface (A12)	ce (A11)	Depleted Oc				T) ³ Indicator	s of hydrophytic vegetation and
	Prairie Redox (A16)	(MLRA 150A	1.17 C. The Control of the Control o					hydrology must be present,
State on professional crises (Int. St.	Mucky Mineral (S1)		Delta Ochric				unless	disturbed or problematic.
	Gleyed Matrix (S4)		Reduced Ver			OA, 150B)		
Sandy F	Redox (S5)		Piedmont Flo					
	d Matrix (S6)		Anomalous E	Bright Loa	my Soils (F20) (MLR	A 149A, 153C, 15	3D)
	urface (S7) (LRR P,				alta Past			
	Layer (if observed							
Type:		A SURFICION CONTRACTOR CONTRACTOR					Hudric Soil Pre	sent? Yes V No
THE RESIDENCE OF THE PARTY OF T	nches):	erung var var var verster					Tryund Con Tre	
Remarks:								



Wetland data point wcmp047f_w facing west.



Wetland data point wcmp047f_w facing south.

A.C.D.	Cumberland Sampling Date: 4-6-16
Project/Site: ACP City/County:	State: NC Sampling Point: Wcmp047s - W
Applicant/Owner: Dominion	State: 70C Sampling Point: 200
Investigator(s): EST (R. Turnbull/w. Vaughan) Section, Tow	
Landform (hillslope, terrace, etc.): drainage Local relief (c	oncave, convex, none): Concave Slope (%): 1-10
Subregion (LRR or MLRA): LRP Lat: 34. 87/4179	5 Long: 78.87 / 58 42 Datum: WGS 84
Soil Map Unit Name: Candor Sand 1-8 % slope	NWI classification: PSS
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	
Are Vegetation, Soil, or Hydrology naturally problematic?	
SUMMARY OF FINDINGS – Attach site map showing sampling	
Hydrophytic Vegetation Present? Yes No Is the	
Hydric Soil Present? Yes No Is the	Sampled Area
Hydric Soil Present? Wetland Hydrology Present? Yes No within	a Wetland? Yes No
Remarks: abnormally dry conditions	
4010	
HYDROLOGÝ	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LRR U)	Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (C1)	Moss Trim Lines (B16)
☐ Water Marks (B1) ☐ Oxidized Rhizospheres along Liv	
Sediment Deposits (B2) Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Drift Deposits (B3) Recent Iron Reduction in Tilled S	21 - CONTRACTOR OF THE CONTRAC
Algal Mat or Crust (B4) Thin Muck Surface (C7) Other (Explain in Remarks)	Geomorphic Position (D2) Shallow Aquitard (D3)
☐ Iron Deposits (B5) ☐ Other (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:	Section (Section 2011) 1 Conference of the Confe
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches): 4 .~	
Saturation Present? Yes No Depth (inches): _Surface	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous in	repactions) if available:
Describe Recorded Data (stream gauge, monitoring well, aerial priotos, previous in	specifors), il avallable.
Remarks:	
Nemans.	
- BRINGE 18 2 - 10 - 12 1일 12 12 12 12 12 12 12 12 12 12 12 12 12	

Pacu Status Fac Facu Obl	Number of Dominant Species That Are OBL, FACW, or FAC:
Facus obl	Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Total % Cover of:
Faculover Faculover Faculover Faculover Faculover Aculover Aculover	Percent of Dominant Species That Are OBL, FACW, or FAC: Total % Cover of:
Facus Obl	Percent of Dominant Species That Are OBL, FACW, or FAC: Total % Cover of: Multiply by:
Facus obl	That Are OBL, FACW, or FAC: 700 (A/B) Prevalence Index worksheet:
Facus over Facus over facus obl	Prevalence Index worksheet:
Facus over facus obl	Total % Cover of: Multiply by: OBL species
over 2 Faculover 2 Faculover 2 Faculo Obl	OBL species
Facus over facus obl	OBL species
Facus over facus obl	FACW species
Facu over er: 2 facu obl	FAC species x 3 =
over er: 2 facw obl	FACU species x 4 =
over er: 2 facw obl	UPL species x 5 = (A) (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
over er: 2 Facus Obl	Column Totals:(A)(B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
over er: 2 facw obl	Prevalence Index = B/A =
over 2 Facw Obl	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
over er: 2 facw obl	1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
over er: 2 facw obl	1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
over 2 Facus Obl	2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
Facu Obl	3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
Facu Obl	Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
Facu Obl	¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
Facw Obl	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
obl	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
obl	Definitions of Four Vegetation Strata:
	Tene Mondy plants evaluding vince 3 in 17 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.
	than 5 m. bbit and greater than 5.25 k (1 m) tam
	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.
er: 12	
facu	
	Hydrophytic
over	Vegetation
	Present? Yes No
	over er: 12 facul over er: 2

SOIL								Sampling Politi. doc-spo 1752-0
Profile Des	cription: (Describe	to the depth	needed to docun	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Features	3 T	1 = =2	Texture	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc²	ber an installation of the first	The property of the second control of the se
0-4	loyr 2/1	100				100000000000000000000000000000000000000	<u>m</u> L	mucky
4-20	logr 4/2	100		-			5	<u> </u>
Also Const								
1T C-C	oncentration, D=De	nletion DM-D	adused Matrix MS	S-Mackad	Sand Gr	ine	21 ocation:	PL=Pore Lining, M=Matrix.
	Indicators: (Appli					1015.		for Problematic Hydric Soils ³ :
☐ Histoso			Polyvalue Be			RR S, T, U) 1 cm N	fuck (A9) (LRR O)
K AND COLUMN TO A STATE OF THE	pipedon (A2)		Thin Dark Su				2 cm N	fuck (A10) (LRR S)
	istic (A3)		Loamy Muck			0)	Reduc	ed Vertic (F18) (outside MLRA 150A,B)
A. Branch Tol Still Land Advanced	en Sulfide (A4)		Loamy Gleye		F2)			ont Floodplain Soils (F19) (LRR P, S, T) alous Bright Loamy Soils (F20)
ACC THE STREET AND ADDRESS OF THE STREET	d Layers (A5) Bodies (A6) (LRR	D T III	Depleted Ma Redox Dark		6)			RA 153B)
A 10 (0.00 to 10.00 t	ucky Mineral (A7) (L		Depleted Date	scholessibalite Loss B. 2.2	TO A STATE OF THE PARTY.		☐ Red P	arent Material (TF2)
	resence (A8) (LRR		Redox Depre	essions (F				hallow Dark Surface (TF12)
The state of the s	uck (A9) (LRR P, T)		Marl (F10) (L				U Other	(Explain in Remarks)
	ed Below Dark Surfa ark Surface (A12)	ce (A11)	Depleted Oct				T) ³ Indic	eators of hydrophytic vegetation and
TOTAL CONTRACTOR OF THE PARTY O	Prairie Redox (A16)	(MLRA 150A)						lland hydrology must be present,
	Mucky Mineral (S1)		Delta Ochric	(F17) (ML	RA 151)			ess disturbed or problematic.
S. Commission of the Commissio	Gleyed Matrix (S4)		Reduced Ve	SWIND NAMED AND ADDRESS.	Tarage and representation			
16, 100 to the 150 to	Redox (S5)		Piedmont Flo				19A) RA 149A, 153C	1530)
	d Matrix (S6) urface (S7) (LRR P,	STIN	Anomalous i	origint Loa	itiy Solis (rzu) (MEN	IA 149A, 1550	, 1335)
	Layer (if observed							
Type:								
NOTES CONTRACTOR OF THE	nches):	Activistic Control of the Control					Hydric Soil	Present? Yes No
Remarks:				50000		B 1000		
					AND THE PARTY OF THE	PRINCIPLE TO A VICE		The DATA CORNER CONTROL OF THE PROPERTY OF THE



Wetland data point wcmp047s_w facing south.



Wetland data point wcmp047s_w facing west.

Project/Site: ACP City/C	County: Cumberland Sampling Date: 4-6-16
Applicant/Owner: Dominion	State: NC Sampling Point: Wcmip 047-4
Investigator(s): ESI (R. Turnball / W. Vaughaz) Secti	
Landform (hillslope, terrace, etc.): H:1/slope Loca	Isolici (conseque convex pape): Cao /c × Slone (%): 4-10
Landform (nillslope, terrace, etc.): N. 1810pc Loca	72.04 - 79.97106720 Determination
Subregion (LRR or MLRA): LICEP Lat: 39.87/3	3294 Long: -78.87186736 Datum: WGS84
Soil Map Unit Name: Cantor Sand 1-8 % Slope	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? YesX_ No	Is the Sampled Area
Hydric Soil Present? Yes No A	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	Within a Wedanu 1
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)	[1] [1] [2] [2] [2] [2] [2] [3] [3] [3] [3] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
Saturation (A3) Hydrogen Sulfide Odor (Water Marks (B1) Oxidized Rhizospheres a	
Water Marks (B1) Sediment Deposits (B2) Oxidized Rhizospheres at the presence of Reduced Inc.	adataka, Angeleya, Albara 2010 angeleya 1934 💳 - Banga albang albang Sangang Sangang Sangang Banga Rabang Albang Albang Rabang Albang Albang Bangang Bang Bangang Bangang Bangang Bangang Bangang Ba
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in	1994 NG (1997) 1997 NG (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (19
Algal Mat or Crust (B4) Thin Muck Surface (C7)	[[[[[[[] [[[] [[] [[] [[] [[] [[] [[] [
☐ Iron Deposits (B5) ☐ Other (Explain in Remar	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
	Spriagrium moss (Do) (ERR 1, 0)
Surface Water Present? Yes No Depth (inches):	ra
Water Table Present? Yes No _x Depth (inches): >	
Saturation Present? Yes 📈 No Depth (inches): 1	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available.
Remarks:	
The state of the s	

na cytic an Chan i Machanian a le Tanar i de na theathach a chan a cao a le tana an tha an an an an an an an a	Abaalida	Daminan	4 Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30f1 x 30f4)		 Dominan Species 		
1. Pious tacda				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
				That Are OBL, FACVI, of FAC(A)
2,	_			Total Number of Dominant
3.				Species Across All Strata: (B)
4.				
William and the transport of the second of the control of the second of the second of the second of the second				Percent of Dominant Species /OU (A/R)
5	-			That Are OBL, FACW, or FAC: (A/B)
6.				B. L.
7.				Prevalence Index worksheet:
AND				Total % Cover of: Multiply by:
8				OBL species x 1 =
		_ = Total Co	ver	FACW species x 2 =
50% of total cover: 7	20% c	of total cove	r: 3	20 INTO DESTRUCTION OF THE PROPERTY OF THE P
Sapling/Shrub Stratum (Plot size: 30f+ x 30f+)				FAC species x3 =
				FACU species x 4 =
1. none				UPL species x 5 =
2.				D. W. A. 1903 A. 1904
3				Column Totals: (A) (B)
				5.4
4	Christophy and a Arm	MANAGER STATES	Contemporari (Chipping)	Prevalence Index = B/A =
5.		0.00.740.12191111		Hydrophytic Vegetation Indicators:
6.				1- Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
AND THE REPORT OF THE PROPERTY		SALESSANDER.		일 - 1
8.				3 - Prevalence Index is ≤3.0¹
	0	_ = Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover:	20% 0	of total cove	r:	
Herb Stratum (Plot size: 30ft 2 30ft)				
				¹Indicators of hydric soil and wetland hydrology must
1. none	A Property			be present, unless disturbed or problematic.
2.				Definitions of Four Vegetation Strata:
TEXES I I PRODUCTION OF THE PROPERTY OF THE PR				
3				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4,	Maria de Cara		ACCUMULATION OF	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.		7 (44-24) 27120(0)		than 3 m. Don and greater than 0.20 m (1 m) tam
8.				Herb - All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10				7 11000
11.	the second	_		height.
12.				
	0	= Total Co	ver	
	11 11 20 20 40 40			
50% of total cover:	20% 0	of total cove	The same production of	
Woody Vine Stratum (Plot size: 30F4 ≥ 30Ff)				
1. Vitis rotundifolia	5	yes	Fac	
2. Smilax rotundifolia	A their water to re-	ves	Fac	
Z. Writing Torunditolia	-	753	Tal	
3.				
4.				
		STANDAY SE		
5.			e free leader to the	Hydrophytic
	15	_ = Total Co	over	Vegetation Present? Yes No
50% of total cover: 7.5	20%	of total cove	er: 3	Present? Yes No
Remarks: (If observed, list morphological adaptations belo	The second second second			THE PROPERTY OF THE PROPERTY O
[14] 하게 하다 하다는 이번, 이번 나를 가고하면 하는 것 같아. 그리는 이번 사람들이 모든 사람들이 되었다.	w).			
recently clear cut				
	The Samuel Control	STANDARD STANDARD	CONTRACTOR DESIGNATION OF THE	er and selected describe the engines, their contributions are found to a service to a contribution of (1). The branch

SOIL				1111	the cheenes of in	Sampling Point: Wemp	
		to the depth	needed to document the		the absence of it	idicators.)	
Depth (inches)	Color (moist)	%	Redox Feature Color (moist) %	Type ¹ Loc ²	Texture	Remarks	
0-3	10yr 2/1	100			5		
3-70	10yr 4/3	100			5		
							-
¹Type: C=C	oncentration, D=Dep	oletion, RM=R	Reduced Matrix, MS=Maske	d Sand Grains.		Pore Lining, M=Matrix. Problematic Hydric Soils ³ :	
4 <u>7 1 - 1 1</u> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		able to all Li	RRs, unless otherwise no				
Histoso			Polyvalue Below Surfa Thin Dark Surface (SS			(A10) (LRR S)	
	pipedon (A2) listic (A3)		Loamy Mucky Mineral			/ertic (F18) (outside MLRA 15	0A,B)
The state of the s	en Sulfide (A4)		Loamy Gleyed Matrix		Piedmont I	Floodplain Soils (F19) (LRR P,	
	d Layers (A5)		Depleted Matrix (F3)		THE RESERVE OF THE PARTY OF THE	s Bright Loamy Soils (F20)	
Salbatorilla, T., Salbatorilla,	Bodies (A6) (LRR F		Redox Dark Surface (그림, 등, 그 일을 위한 생각 등이 되는 경험이 되었다. 그 나이는 네가	□ (MLRA 1	nt Material (TF2)	
	ucky Mineral (A7) (L resence (A8) (LRR L		Depleted Dark Surfac			ow Dark Surface (TF12)	
1200 Louis Dr. College	uck (A9) (LRR P, T)		Marl (F10) (LRR U)			olain in Remarks)	
	ed Below Dark Surface	ce (A11)	Depleted Ochric (F11				
	ark Surface (A12)		Iron-Manganese Mas			rs of hydrophytic vegetation and d hydrology must be present,	a
	Prairie Redox (A16) (Mucky Mineral (S1) (Umbric Surface (F13) Delta Ochric (F17) (M			disturbed or problematic.	
	Gleyed Matrix (S4)	LKK U, S)	Reduced Vertic (F18)				
	Redox (S5)		Piedmont Floodplain	Soils (F19) (MLRA 14	9A)		
☐ Strippe	d Matrix (S6)		Anomalous Bright Loa	amy Soils (F20) (MLR	A 149A, 153C, 15	3D)	
	urface (S7) (LRR P,			1000			
	Layer (if observed)):					
Type:					Hudric Soil Pre	esent? Yes No	*
A STATE OF THE PARTY OF THE PARTY OF	nches):				riyane son i re	AND THE RESERVE TO BE AND THE PARTY OF THE P	
Remarks:							



Upland data point wcmp047_u facing north.



Upland data point wcmp047_u facing east.

Project/Site: ACP City/County: Cumberland Sampling Date: 4-6-16
$1.16 \times 1.06 \times $
Investigator(s): FST (RTurnbull / W. Vaughan) Section, Township, Range: none
Landform (hillslope, terrace, etc.): Drawnee Local relief (concave, convex, none): Concave Slope (%): 4-16
Subregion (LRR or MLRA): <u>/ RRP </u>
Soil Map Unit Name: 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 No No No Yes No Yes No Yes No
NCWam - Riverine Swamp forest abnormally day 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) Marl Deposits (B15) (LRR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Presence of Reduced Iron (C4) Crayfish Burrows (C8)
Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)
☐ Water-Stained Leaves (B9) ☐ Sphagnum moss (D8) (LRR T, U)
Field Observations:
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes No Depth (inches): 8 / Wetland Hydrology Present? Yes No Depth (inches): 2 / No Wetland Hydrology Present? Yes No Depth (inches): 2 / No No Depth (inches): 2 / No Depth (inches): 2
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 300 x 300)		Species?	Status	Number of Dominant Species
1. Quercus nigra	15	no	Fac	That Are OBL, FACW, or FAC: (A)
2. Liniodendron tulipifera	20	yes	Facu	Total Number of Dominant
3. Acer rubrum	40	yes	Fac	Species Across All Strata: (B)
4. Pinus taeda	20	yes	Fac	
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.				That Are OBE, I ACVV, OT AC.
				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8			Tellin some	OBL species x 1 =
		= Total Cov		FACW species x 2 =
50% of total cover: <u>47.5</u>	20% of	total cover	:	FAC species x3 =
Sapling/Shrub Stratum (Plot size: 30ft 230ft)				FACU species x 4 =
1. Ilex cor:acea	70	yes	Facu	ks
2. Persea palustrus	10	10	Facu	UPL species x 5 =
3. Lourothoe oxillars	_15	no	Facu	Column Totals: (A) (B)
4.		Min. Carl		Prevalence Index = B/A =
5.				Strate Control
6.	AND WINDS AND TO A TO	THE REST TRACTOR	PROPERTY OF LAND OF STREET	Hydrophytic Vegetation Indicators:
PARTICLE AND ALL SALES AND ALL				1 - Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
8,	- 00			3 - Prevalence Index is ≤3.0'
		= Total Cov		Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: <u>47.5</u>	20% of	total cover	19	
Herb Stratum (Plot size: 30f4 x 30f4)				¹ Indicators of hydric soil and wetland hydrology must
1. None				be present, unless disturbed or problematic.
2,				Definitions of Four Vegetation Strata:
3.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4.				more in diameter at breast height (DBH), regardless of
5				height.
그리 유럽씨요 이 5 일하면 하는 10년 전에 되었다. 한 사람들은 한 분들에 되었다. 하는 하는 그런 사람들은 사람들은 사람들은 사람들이 되었다. 그 그 10 10 10 10 10 10 10 10				a U (St. t. Manda plants evaluding vines loss
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.			<u> </u>	Woody vine - All woody vines greater than 3.28 ft in
11.				height.
12				
	0	= Total Cov	/er	
50% of total cover:	20% of	total cover		
Woody Vine Stratum (Plot size: 30f4 = 30f4)				
1. Smilas laurifolia	20	yes	Facul	
			Tucus .	
2				
3.				
4.				
5				Hydrophytic
	20	= Total Co	ver	Vegetation Present? Yes No
50% of total cover: /o	20% of	total cover	: 4	Present? Yes No No
Remarks: (If observed, list morphological adaptations belo	w).			
Themand. (ii obberved, iid morphologista adaptations belo				

Depth	Matrix	to the dept	h needed to docum	x Features				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	<u>Texture</u>	Remarks
)-5	10 y 2/1	100					SL	
5-20	10414/2	100					s	
			Pasific Assistan					
Гуре: С=С	oncentration, D=De	pletion, RM=	Reduced Matrix, MS	S=Masked	Sand Gra	ains.		Pore Lining, M=Matrix.
		cable to all l	RRs, unless other					Problematic Hydric Soils ³ :
Histosol			Polyvalue Be					(A9) (LRR O) (A10) (LRR S)
AND DESCRIPTION OF THE PARTY OF	pipedon (A2)		Thin Dark Su Loamy Muck					ertic (F18) (outside MLRA 150A,B)
	istic (A3) en Sulfide (A4)		Loamy Gleye			٠,		Toodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma		/			Bright Loamy Soils (F20)
	Bodies (A6) (LRR	P, T, U)	Redox Dark		6)		(MLRA 1	53B)
5 cm Mi	ucky Mineral (A7) (L	RR P, T, U)	Depleted Dar	rk Surface	(F7)			t Material (TF2)
	resence (A8) (LRR		Redox Depre		8)			ow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Mari (F10) (L	persidate Carrows, # JANSS 19	/MI DA 4	E41)	Uner (Exp	lain in Remarks)
	d Below Dark Surfa ark Surface (A12)	ce (A11)	Depleted Oc				T) ³ Indicator	s of hydrophytic vegetation and
	Prairie Redox (A16)	(MLRA 150A	1.17 C. The Control of the Control o					hydrology must be present,
State on professional crises (Int. St.	Mucky Mineral (S1)		Delta Ochric				unless	disturbed or problematic.
	Gleyed Matrix (S4)		Reduced Ver			OA, 150B)		
Sandy F	Redox (S5)		Piedmont Flo					
	d Matrix (S6)		Anomalous E	Bright Loa	my Soils (F20) (MLR	A 149A, 153C, 15	3D)
	urface (S7) (LRR P,				alta Past			
	Layer (if observed							
Type:		A SURFICION CONTRACTOR CONTRACTOR					Hudric Soil Pre	sent? Yes V No
THE RESIDENCE OF THE PARTY OF T	nches):	erung var var var verster					Tryund Con Tre	
Remarks:								



Wetland data point wcmp047f_w facing west.



Wetland data point wcmp047f_w facing south.

A.C.D.	Cumberland Sampling Date: 4-6-16
Project/Site: ACP City/County:	State: NC Sampling Point: Wcmp047s - W
Applicant/Owner: Dominion	State: 70C Sampling Point: 200
Investigator(s): EST (R. Turnbull/w. Vaughan) Section, Tow	
Landform (hillslope, terrace, etc.): drainage Local relief (c	oncave, convex, none): Concave Slope (%): 1-10
Subregion (LRR or MLRA): LRP Lat: 34. 87/4179	5 Long: 78.87 / 58 42 Datum: WGS 84
Soil Map Unit Name: Candor Sand 1-8 % slope	NWI classification: PSS
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	
Are Vegetation, Soil, or Hydrology naturally problematic?	
SUMMARY OF FINDINGS – Attach site map showing sampling	
Hydrophytic Vegetation Present? Yes No Is the	
Hydric Soil Present? Yes No Is the	Sampled Area
Hydric Soil Present? Wetland Hydrology Present? Yes No within	a Wetland? Yes No
Remarks: abnormally dry conditions	
4010	
HYDROLOGÝ	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LRR U)	Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (C1)	Moss Trim Lines (B16)
☐ Water Marks (B1) ☐ Oxidized Rhizospheres along Liv	
Sediment Deposits (B2) Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Drift Deposits (B3) Recent Iron Reduction in Tilled S	21 - CONTRACTOR OF THE CONTRAC
Algal Mat or Crust (B4) Thin Muck Surface (C7) Other (Explain in Remarks)	Geomorphic Position (D2) Shallow Aquitard (D3)
☐ Iron Deposits (B5) ☐ Other (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:	Section (Section 2011) 1 Conference of the Confe
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):4 ,	
Saturation Present? Yes No Depth (inches): _Surface	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous in	repactions) if available:
Describe Recorded Data (stream gauge, monitoring well, aerial priotos, previous in	specifors), il avallable.
Remarks:	
Nemans.	
- BRINGE 18 2 - 10 - 12 1일 12 12 12 12 12 12 12 12 12 12 12 12 12	

Pacu Status Fac Facu Obl	Number of Dominant Species That Are OBL, FACW, or FAC:
Facus obl	Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Total % Cover of:
Faculover Faculover Faculover Faculover Faculover Aculover Aculover	Percent of Dominant Species That Are OBL, FACW, or FAC: Total % Cover of:
Facus Obl	Percent of Dominant Species That Are OBL, FACW, or FAC: Total % Cover of: Multiply by:
Facus obl	That Are OBL, FACW, or FAC: 700 (A/B) Prevalence Index worksheet:
Facus over Facus over facus obl	Prevalence Index worksheet:
Facus over facus obl	Total % Cover of: Multiply by: OBL species
Facus Facus Facus Obl	OBL species
Facus over facus obl	OBL species
Facus over facus obl	FACW species
Facu over er: 2 facu obl	FAC species x 3 =
over er: 2 facw obl	FACU species x 4 =
over er: 2 facw obl	UPL species x 5 = (A) (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
over er: 2 Facus Obl	Column Totals:(A)(B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
over er: 2 facw obl	Prevalence Index = B/A =
over 2 Facw Obl	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
over er: 2 facw obl	1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
over 2 Facw Obl	1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
over 2 Facus Obl	2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
Facu Obl	3 - Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
Facu Obl	Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
Facu Obl	¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
Facw Obl	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
obl	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
obl	Definitions of Four Vegetation Strata:
	Tene Mondy plants evaluding vince 3 in 17 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.
	than 5 m. bbit and greater than 5.25 k (1 m) tam
	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.
er: 12	
facu	
	Hydrophytic
over	Vegetation
	Present? Yes No
	over er: 12 facul over er: 2

SOIL								Sampling Politi. doc-spo 1752-0
Profile Des	cription: (Describe	to the depth	needed to docun	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Features	3 T	1 = =2	Texture	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc²	ber an installation of the or	The property of the second control of the se
0-4	loyr 2/1	100				100000000000000000000000000000000000000	<u>m</u> L	mucky
4-20	logr 4/2	100		-			5	<u> </u>
Also Const								
1T 0-0	oncentration, D=De	nletion DM-D	adused Matrix MS	E-Mackad	Sand Gr	ine	21 ocation:	PL=Pore Lining, M=Matrix.
	Indicators: (Appli					1015.		for Problematic Hydric Soils ³ :
☐ Histoso			Polyvalue Be			RR S, T, U) 1 cm N	fuck (A9) (LRR O)
K AND COLUMN TO A STATE OF THE	pipedon (A2)		Thin Dark Su				2 cm N	fuck (A10) (LRR S)
	istic (A3)		Loamy Muck			0)	Reduc	ed Vertic (F18) (outside MLRA 150A,B)
A. Branch Tol Still Land Advanced	en Sulfide (A4)		Loamy Gleye		F2)			ont Floodplain Soils (F19) (LRR P, S, T) alous Bright Loamy Soils (F20)
ACC THE STREET AND ADDRESS OF THE STREET	d Layers (A5) Bodies (A6) (LRR	D T III	Depleted Ma Redox Dark		6)			RA 153B)
A 10 (0.00 to 10.00 t	ucky Mineral (A7) (L		Depleted Date	scholessibalite Loss B. 2.2	TO A STATE OF THE PARTY.		☐ Red P	arent Material (TF2)
	resence (A8) (LRR		Redox Depre	essions (F				hallow Dark Surface (TF12)
The state of the s	uck (A9) (LRR P, T)		Marl (F10) (L				U Other	(Explain in Remarks)
	ed Below Dark Surfa ark Surface (A12)	ce (A11)	Depleted Oct				T) ³ Indic	eators of hydrophytic vegetation and
TOTAL CONTRACTOR OF THE PARTY O	Prairie Redox (A16)	(MLRA 150A)						lland hydrology must be present,
	Mucky Mineral (S1)		Delta Ochric	(F17) (ML	RA 151)			ess disturbed or problematic.
S. Commission of the Commissio	Gleyed Matrix (S4)		Reduced Ve	SWIND NAMED AND ADDRESS.	Tarage and representation			
16, 100 to the 150 to	Redox (S5)		Piedmont Flo				19A) RA 149A, 153C	1530)
	d Matrix (S6) urface (S7) (LRR P,	STIN	Anomalous i	origint Loa	itiy Solis (rzu) (MEN	IA 149A, 1550	, 1335)
	Layer (if observed							
Type:								
NOTES CONTRACTOR OF THE	nches):	Activistic Control of the Control					Hydric Soil	Present? Yes No
Remarks:				50000		B 1000		
					AND THE PARTY OF THE	PRINCIPLE TO A VICE		The DATA CORNER CONTROL OF THE PROPERTY OF THE



Wetland data point wcmp047s_w facing south.



Wetland data point wcmp047s_w facing west.

Project/Site: ACP City/C	County: Cumberland Sampling Date: 4-6-16			
Applicant/Owner: Dominion	State: NC Sampling Point: Wcmip 047-4			
Investigator(s): ESI (R. Turnball / W. Vaughas) Secti				
Landform (hillslope, terrace, etc.): H:1/slope Local	I salist (conseque convex pane): (ac 45 % Slone (%): 4-10			
Landform (nilisiope, terrace, etc.): N. 1810pc Local	72.644 — 79.971.04.726 — Deturn Luces 24			
Subregion (LRR or MLRA): LICEP Lat: 39.87/3	3294 Long: -78,87186736 Datum: WGS84			
Soil Map Unit Name: Cantor Sand 1-8 % Slope	NWI classification:			
Are climatic / hydrologic conditions on the site typical for this time of year?				
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes No			
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.			
Hydrophytic Vegetation Present? YesX No	1.4.5			
Hydric Soil Present? Yes No A	Is the Sampled Area within a Wetland? Yes No			
Wetland Hydrology Present? Yes No	within a wedand?			
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)	Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10)				
Saturation (A3) Hydrogen Sulfide Odor (Water Marks (B1) Oxidized Rhizospheres a				
Water Marks (B1) Unidized Rhizospheres a Sediment Deposits (B2) Presence of Reduced Iro	HTMR: (1988년 - 2010년 - 2010년 - 1987년 - 1987년 - 1988년			
Drift Deposits (B3) Recent Iron Reduction in	: 14: 14: 15: 15: 15: 15: 15: 15: 15: 15: 15: 15			
Algal Mat or Crust (B4) Thin Muck Surface (C7)	사용 교통 (1977년 1974년 1977년) 1971년 (1977년 - 1984년) 1982년 1			
Iron Deposits (B5) Other (Explain in Remark	ks)			
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 NoX Depth (inches):				
Water Table Present? Yes No Depth (inches):				
Saturation Present? Yes No Depth (inches):/*. (includes capillary fringe)	Wetland Hydrology Present? Tes NO			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:			
Remarks:				

The street of th	Absolute	Daminan	1 Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30f4 x 30f4)		Dominan Species		
1. Pious tacda				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
				That Are OBL, FACVV, of FAC(A)
2,				Total Number of Dominant
3				Species Across All Strata: (B)
4.				
William and the Committee of the Committ				Percent of Dominant Species /OU (A/R)
5.			The second second	That Are OBL, FACW, or FAC: (A/B)
6.				
7.				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
8				OBL species x1 =
		= Total Co	ver	FACW species x 2 =
50% of total cover:	20% o	f total cove	r:	
Sapling/Shrub Stratum (Plot size: 30f+ 230f+)				FAC species x 3 =
				FACU species x 4 =
1. none		The rest of the second		UPL species x 5 =
2.				D. W. A. 1975
3				Column Totals: (A) (B)
				B 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
4	STOCKWOOD AND	A STATE OF THE PARTY OF THE	Chitegraphical Chief and April 2	Prevalence Index = B/A =
5.		App. TAC. Label 1975		Hydrophytic Vegetation Indicators:
6.				1- Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
AND TO REPORT AND THE REPORT OF THE PROPERTY O		ACTION OF THE	i de la companya de l	9 1 1 1 1 1 1 1 1 1
8.		The second second	endoren beneranse so Endoren se est entre t	3 - Prevalence Index is ≤3.0¹
	_ 0	= Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of total cover:	20% 0	f total cove	r:	
Herb Stratum (Plot size: 30f4 + 30f4)				1,
				¹Indicators of hydric soil and wetland hydrology must
1. none				be present, unless disturbed or problematic.
2.			Total Service	Definitions of Four Vegetation Strata:
3.				
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4.	The state of the s	PERSONAL PROPERTY.	PART WE CAN	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.		THE STATE OF TAXABLE		than 5 m. Derrand grouter than 5 = 5 t (t try
8-				
9.				of size, and woody plants less than 3.28 ft tall.
10.				7
11. <u></u>	Service that stop			height.
12				
	0	= Total Co	ver	
4. C.				
50% of total cover:	20% 0	of total cove	A SECULO	
Woody Vine Stratum (Plot size: 3oF4 ≥ 3off)				
1. Vitis rotundifolia	5	ye.	Fac	
AND A COURSE AS A COURSE OF THE PROPERTY OF TH	NAMES OF STREET	ves	Fac	
2 Denilar Coli - 1:4-1:a	CONTRACTOR OF CONTRACTOR	700	Contract to the contract of th	
2. Smilax rotundifolia				
2. DMillax rotunditalia 3.		Control of the second		
34				
3				Hydrophytic
3	15	_ = Total Co		Vegetation
3	15			
34550% of total cover:7. \$		_ = Total Co		Vegetation
34		_ = Total Co		Vegetation
34		_ = Total Co		Vegetation
34550% of total cover:7. \$		_ = Total Co		Vegetation
34		_ = Total Co		Vegetation
34		_ = Total Co		Vegetation
34		_ = Total Co		Vegetation
34		_ = Total Co		Vegetation
3		_ = Total Co		Vegetation

SOIL					he cheenes of in	Sampling Point: Werrip 17-20
		to the depth	needed to document the in		ne absence of in	idicators.)
Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist) %	Type ¹ Loc ²	Texture	Remarks
0-3	10yr 2/1	100			5	
3-20	10yr 4/3	100			5	
3-10	-1-91 1/3					
State State State						
				produktik y balokuluk Produktie		
¹Type: C=C	oncentration, D=Dep	oletion, RM=R	educed Matrix, MS=Masked	Sand Grains.		Pore Lining, M=Matrix. Problematic Hydric Soils3:
		able to all Lr	RRs, unless otherwise note Polyvalue Below Surface			
Histosol	pipedon (A2)		Thin Dark Surface (S9)		2 cm Muck	(A10) (LRR S)
	istic (A3)		Loamy Mucky Mineral			/ertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	Table State of the Control of the Co	Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Matrix (F3) Redox Dark Surface (F	6)	(MLRA 1	s Bright Loamy Soils (F20)
St. Comment and St. Comment of the C	: Bodies (A6) (LRR P ucky Mineral (A7) (LI		Depleted Dark Surface	[25. 15 일일 [1] 전 40 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		t Material (TF2)
	resence (A8) (LRR L		Redox Depressions (F			ow Dark Surface (TF12)
	uck (A9) (LRR P, T)		Marl (F10) (LRR U)		Other (Exp	olain in Remarks)
N. The Report of the Party of t	d Below Dark Surface	ce (A11)	Depleted Ochric (F11)		r) ³ Indicator	s of hydrophytic vegetation and
	ark Surface (A12) Prairie Redox (A16) (MLRA 150A)	 This data this state and the control of the control o			I hydrology must be present,
	Mucky Mineral (S1) (Delta Ochric (F17) (ML		unless	disturbed or problematic.
☐ Sandy	Gleyed Matrix (S4)		Reduced Vertic (F18) (
10 No. of the Contract of the	Redox (S5)		Piedmont Floodplain S Anomalous Bright Loan			30)
	d Matrix (S6) urface (S7) (LRR P,	STIN	Anomalous Bright Loan	Thy Solis (F20) (MLRA	1494, 1556, 15	35)
	Layer (if observed)				NOTE TO SEE	
Type:						
The State of the S	nches):				Hydric Soil Pre	esent? Yes No
Remarks:						



Upland data point wcmp047_u facing north.



Upland data point wcmp047_u facing east.

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site. ACP City/County: Comberland Sampling Date: 16 Sept 2014
Applicant/Owner: Dominich
Investigator(s): DD WEST Sampling Point: WEST Sampl
Subtragion (1980 and 1980) The contract of the
Subregion (LRR or MLRA): T Lat: 31°51′50.606″ Long: 78°53′36.595″ Datum: WGS84
Soil Map Unit Name: Rains 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 "Normal Circumstances" present? Yes No
Are Variation Call III III
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydrophytic Soil Present? Yes No Is the Sampled Area Wetland Hydrology Present? Yes No Within a Wetland? Yes No
All parameters present
HYDROLOGY
Wetland Hydrology Indicators:
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (R6)
Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B9)
High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Setweller Visible on Assistance (C6)
Alcal Mater Count (B4)
Iron Deposits (R5)
Injunction Visible on Agriculturance (CS)
Water Stained Leaves (80)
Field Observations:
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes No Depth (inches): 16
Saturation Present? Yes No Depth (inches): 1/1 Westland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
1- 1-
hydrology is present

20 1	Absolute	Dominani	Indicator	Dominance Test weekshoot
Tree Stratum (Plot size: 30 4)	% Cover	Species?	Status	Dominance Test worksheet:
1. Pinus tarda	1.0	4	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Liga damber stycaciflua	5	7/	FAC	That Are OBL, FACW, or FAC: (A)
3. Acer ruboum				Total Number of Dominant
4		_N	FAC	Species Across All Strata: (B)
4				Percent of Dominant Species
V				That Are OBL, FACW, or FAC: (A/B)
				(\(\alpha(\beta)\)
7.				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	70	~	***************************************	OBL species x 1 =
500/-4111 36		= Total Co	ver i u	
50% of total cover: 35 Sapling/Shrub Stratum (Plot size: 30 #) 1. Mucella cecifeca	20% of	total cove	r:	FACW species x 2 =
Daphingroundo Stratum (Plot size: 30 47	~ ~		ner s	FAC species x 3 =
2 Noverta ceritera	<u> </u>	<u> </u>	FAC	FACU species x 4 =
- Her Tublom	<u> </u>		FAC	UPL species x 5 =
3. Magnelie Virginiana	5_	N	FACW	Column Totals: (A) (B)
•		-		Provolence Index = P/A =
1/,				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
78	-			1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
	46			3 - Prevalence Index is ≤3.0'
50% of total cover 22.5		= Total Co	ver 🗬	Problematic Hydrophytic Vegetation' (Explain)
Herb Stratum (Plot size)	20% 01	f total cove	L:	
1 A a second of the second	7 -2	\checkmark		¹Indicators of hydric soil and wetland hydrology must
1 Andropagen glameratus	_5_		FACW	be present, unless disturbed or problematic.
2. Eupaterian capillifolium	2_	N	FIACU	Definitions of Four Vegetation Strata:
3. Solidage altissima 4. Panioum anseps	2	N	FACU	
4. Tenlicim anseps	_1	N	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5.	4			height.
6			***************************************	
7.	** Street of Addresses of the A. S.	******		Sapling/Shrub Woody plants, excluding vines less
8.		*		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9		***************************************		of size, and woody plants less than 3.28 ft tall.
I.U.			-	Woody vine - All woody vines greater than 3.28 ft in
		***************************************		height.
12	***************************************			
	10	= Total Co	ver	- Carrier to antique property that the statement of the s
50% of totallycover: $5\mathscr{B}$		f total cove		
Woody Vine Stratum (Plot size. 3()		10101 0010	· <u>& & </u>	
1 Smilar laurifolia	5	У	TEACH	
2. Gelsemium sempervicous	-		TIME	
3			. FRE	
J		***************************************		
4.				
5	+			Hydrophytic /
	10	= Total Co	ver	Vegetation a
50% of total cover:	20% o	ftotal cove	2	Present? Yes No
Remarks (If observed, list morphological adaptations belo	w)		• • • • • • • • • • • • • • • • • • • •	
, 5				
1.1 1 1	loal	1 %		
hydrophytic Ve	-geta-	tion	13	Present
• •	~			

	X		K Features			the absence of inc	
(inches) Color (moist)		Color (moist)		Type ¹	Loc²	Texture	Remarks
	100				-	<u>SC</u>	
2-20 104R5/1	<u> </u>					SL	
	decimal of the second second second						
						The Address of the Control of the Co	

The same of the sa	The second secon	Control Colombia Colo	******************		Mail to the Other additional term representations		
	and the second s		**	****			
ype: C=Concentration, D=[Denletion PM-Da	duged Makin MC				7	
ydric Soil Indicators: (App	plicable to all LR	Rs, unless other	o≕Masked wise note	Sand Gra	iins.	'Location: PL=F	Pore Lining, M≕Matrix. roblematic Hydric Soils³:
J Histosol (A1)		Polyvalue Bel			RRSTI		A9) (LRR O)
Histic Epipedon (A2)		Thin Dark Su	rface (S9)	(LRR S,	r, U)		A10) (LRR S)
Black Histic (A3) Hydrogen Sulfide (A4)		Loamy Mucky	/ Mineral (F1) (LRR	0)	Reduced Ve	rtic (F18) (outside MLRA 150A,B
Stratified Layers (A5)	Th	Loamy Gleye Depleted Mat	d Matrix (1	=2)		Piedmont FI	oodplain Soils (F19) (LRR P, S, T
] Organic Bodies (A6) (LRI	R P, T, U)	Redox Dark S		6)		Anomalous (MLRA 15	Bright Loamy Soils (F20)
5 cm Mucky Mineral (A7)	(LRR P, T, U) ~	Depleted Dar	k Surface	(F7)			Material (TF2)
Muck Presence (A8) (LRI 1 cm Muck (A9) (LRR P.	RU) T\	Redox Depre	ssions (F	3)			v Dark Surface (TF12)
Depleted Below Dark Sur	rface (A11)	Marl (F10) (L Depleted Och		/D/11 (D) A //		Uther (Expla	ain in Remarks)
Thick Dark Surface (A12))	Iron-Mangane	ese Mass	(MLRA 1; es (£12) (-RR O. P	T) 3Indicators	of hydrophytic vegetation and
Coast Prairie Redox (A16	6) (MLRA 150A)	Umbric Surfa	ce (F13) (LRR P. T	U)		nydrology must be present.
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4	1) (LRR O, S)	Delta Ochric	(F17) (ML	RA 151)		unless di	sturbed or problematic.
Sandy Redox (S5)	,	Reduced Ver Piedmont Flo	tic (F18) (odalain S	MLRA 15	0A, 150B)	0.43	
Stripped Matrix (S6)		Anomalous B	right Loar	ny Soils (I	(MLRA 14 520) (MLR	A 149A, 153C, 153I	וכ
Dark Surface (S7) (LRR I	P, S, T, U)		-				- /
	θα):						
Lyne:						§	
Type:							<u>\</u>
Depth (inches).						Hydric Soll Pres	ent? Yes No No
Depth (inches).			1970 f. i Alle Green all Representation of Section 1980			Hydric Soll Pres	ent? Yes No
Depth (inches).			TO THE REAL PROPERTY OF THE PARTY OF THE PAR	- 1 00 00 000 0		Hydric Soll Pres	ent? Yes No No
Depth (inches).							ent? Yes No
Depth (inches).		hydric	Soil	is	6.6		ent? Yes No
Depth (inches).		hydric	So:\	is	bi6		ent? Yes No
Depth (inches).		hydric	So:\	is	bis		ent? Yes No
Depth (inches).		hydric	Soil	is	bi6		ent? Yes No
Depth (inches).		hydric	So:\	is.	bis		ent? Yes No
Depth (inches).		hydric	So:\	is	bce		ent? Yes No
Depth (inches).		hydric	So:\	is	bce		ent? Yes No
Depth (inches).		hydric	So:\	is	bis		ent? Yes No
Depth (inches).		hydric	Soil	is	bc6		ent? Yes No
		hydsic	So:\	is	bce		ent? Yes No
Depth (inches).		hydric	Soil	is.	bc6		ent? Yes No
Depth (inches).		hydric	Soil	is	bes		ent? Yes No
Depth (inches).		hydric	Soil	is	bis		ent? Yes No
Depth (inches).		hydsic	So:\	is	bis		ent? Yes No No
Depth (inches).		hydric	Soil	(15	bc6		ent? Yes No No
Depth (inches).		hydric	Soil		bis		ent? Yes No No

wcmh004f_w



wcmh004f_w facing north



wcmh004f_w facing west

wcmh004f_w soil



wcmh004f_w soil

WETLAND DETERMINATION DATA	FORM – Atlantic and Gulf Coastal Plain Region
Applicant/Owner: Dominion	
Investigation of the second	State: NC Sampling Point: SCM HO
Landform (hillslope, terrace, etc.):	Section, Township, Range: Local relief (concave, convex, none): Slope (%):
Subregion (LRR or MLRA). Lat: 24	
Soil Map Unit Name: RACH	
Are climatic / hydrologic conditions on the site typical for this time of ye	NWI classification: 43\$
Are Vegetation Soil, or Hydrology significantly	
Are Vegetation Soil, or Hydrology naturally pr	Material Control of the Control of t
	•
Solwing - Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: No Yes No No No	Is the Sampled Area within a Wetland? Yes No
All three paras	neters
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 (B1) Marl Deposits (B1)	
, invalogen suille	, , , , , , , , , , , , , , , , , , ,
Sediment Deposits (B2) Presence of Redu	
☐ Drift Deposits (B3) ☐ Recent Iron Reduc	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface	Geomorphic Position (D2)
Iron Deposits (B5) Uther (Explain in F	Remarks) Shallow Aquitard (D3)
☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9)	FAC-Neutral Test (D5)
Field Observations:	Sphagnum moss (D8) (LRR T, U)
	3):
The state of the s	3)
Saturation Present? Yes No Depth (inches	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial phot	
prior	os, previous inspections), if available:
Remarks:	
Hydrology pr	eser

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

WICH	140045
Sampling Point:	

Trans Charles (Charles 20	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:30)	% Cover Species? Status	Number of Dominant Species
1		That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
3.		Species Across All Strata: (/) (B)
4 1 101		
5		Percent of Dominant Species That Are OBL FACW or FAC: 100
6		That Are OBL, FACW. or FAC:(A/B)
7		Prevalence Index worksheet:
	The state of the s	Total % Cover of: Multiply by:
8	· -	OBL species x 1 =
	= Total Cover	
50% of total cover:	20% of total cover:	FACW species x 2 =
Septing office Country (1 for Size.	20	FAC species x 3 =
1 times landa	SO / FAC	FACU species x 4 =
2 Mengacerstera	<u> </u>	UPL species x 5 =
3. digentanton styrner the	FAC_	Column Totals: (A) (B)
4. SACEbaris halimitoha	FAC	Prevalence Index = B/A =
5		Hydrophytic Vegetation Indicators:
6.		
7.		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
35	Total Cover 14	3 - Prevalence Index is ≤3,0°
50% of total cover:	20% of total cover.	Problematic Hydrophytic Vegetation' (Explain)
Herb Stratum (Plot size. 10	20 % Of total covely.	
1 Dickenthelian soprium	20	Indicators of hydric soil and wetland hydrology must
2. Andropagen regenicus	FACW	
3. Andropryon of omeratus	TAC	Definitions of Four Vegetation Strata:
4 Entramia minor	FACW	
	FAC	more in diameter at breast height (DBH), regardless of
5. Eugetorium leucolepis		height.
6 Solidago Gigaka		Sapling/Shrub - Woody plants, excluding vines less
2 Brynchospora mexpuso	FACW	than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8. Tanecian ancops	45FAC_	Herb - All herbaceous (non-woody) plants, regardless
9. Ericanthus giganteus	<u> 5 FACW</u>	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		
	// C = Total Cover	
50% of total cover:	20% of total cover: 27	
Woody Vine Stratum (Plot size 30)	20% of total cover.	
1		
2 Non e		
3.		
4.		
5		Hydrophytic \ /
	= Total Cover	Vegetation
50% of total cover:	20% of total cover:	Present? Yes No
Remarks (If observed, list morphological adaptations belo	OW).	

Sampling Point: _____

Profile Desc	cription: (Describe	to the depth needed t	document the	indicator	or confirm t	the absence of indicators.)
Dehtti	iviatrix		Redox Feature	S		and absence of maleators.)
(inches)	Color (moist)	% Color (m	oist) %		Loc ²	Texture Remarks
0-6	104R 2/1		-,			Sprag lonn
6-16	LOYR 5/1	2.5Y.5	16 2	(MA	
	1					
		to communicate the content of	Comment of the Commen			
	TO AND THE TAX A REAL PROPERTY OF PERSONS IN A SEPTEMBER AND A SEC					

	-					
'Type: C=C	oncentration, D=Depi	letion, RM=Reduced M	atrix MS=Masker	d Sand Gra	ine	21 continue DI = Doro Linius Manager
Hydric Soil	Indicators: (Applica	able to all LRRs, unle	s otherwise not	ed.)	11115.	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)		ralue Below Surfa		RR S. T. U)	
	pipedon (A2)	Thin	Dark Surface (S9) (LRR S,	T, U)	2 cm Muck (A10) (LRR S)
===	istic (A3) en Sulfide (A4)		y Mucky Mineral	(F1) (LRR	0)	Reduced Vertic (F18) (outside MLRA 150A,B)
	d Layers (A5)	Loan	iy Gleyed Matrix (eted Matrix (F3)	(F2)		Piedmont Floodplain Soils (F19) (LRR P, S, T)
Organic	Bodies (A6) (LRR P,	T, U) Redo	x Dark Surface (F	-61		Anomalous Bright Loamy Soils (F20)
5 cm Mu	ucky Mineral (A7) (LR	RP, T, U) Depl	eted Dark Surface	e (F7)		(MLRA 153B) Red Parent Material (TF2)
Muck Pr	esence (A8) (LRR U) L Redo	x Depressions (F			Very Shallow Dark Surface (TF12)
Deplete	uck (A9) (LRR P, T) d Below Dark Surface		(F10) (LRR U)			Other (Explain in Remarks)
Thick Da	ark Surface (A12)		eted Ochric (F11)	(MLRA 15	51)	
Coast P	rairie Redox (A16) (N	'ILRA 150A) 💹 Umb	Manganese Mass ic Surface (F13)	es (F12) (I	-RR O, P, T] -U\	
Sandy N	Aucky Mineral (S1) (L		Ochric (F17) (ML	RA 151)	0)	wetland hydrology must be present, unless disturbed or problematic.
	Sleyed Matrix (S4)	<u> </u>	ced Vertic (F18)	(MLRA 15	0A, 150B)	,
	Redox (S5) I Matrix (S6)	Pied	nont Floodplain S	Soils (F19)	(MLRA 149)	A)
Dark Su	rface (S7) (LRR P, S	I Anor	nalous Bright Loa	my Soils (F	²⁰) (MLRA	149A, 153C, 153D)
Restrictive	Layer (if observed):					
Type:						
Depth (in	ches).					Hydric Soil Present? Yes No
Remarks		Promote Substitution and the Confession of the Substitution of the same of the Substitution of the Substit	with the second of the law of the second of			Trydic 3011 Fresent 1 Tes / No
			1/			
			Hys)	< €	() A
			1 Kgd	TUC	des	~ present
			0			•

wcmh004s_w



Wetland data point wcmh004s_w facing east



Wetland data point wcmh004s_w facing south

WETLAND DETERMINATION DATA FORM - Atlan	ntic and Gulf Coastal Plain Region
Project/Site. ACP City/County:	emberhane Sampling Date: 9-16-14
Investigator(s): Section Toward	State: NA Sampling Point: NA
Landform (hillslope, terrace, etc.): 14115 hpe Local relief (conc	Slove (Sun (SV)
Subregion (LRR or MLRA): Lat 35/5/ 50.7/6	Long: 78°53' 40.537 Datum:
Soil Map Unit Name: Kom	NIMI classification: None
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 No
Are Vegetation, Soil, or Hydrology naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling po	oint locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No Is the Sai	mpled Area 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) Weter Algal Chapter (Marks) Primary Indicators (minimum of one is required; check all that apply) Aquatic Fauna (B13) Aquatic Fauna (B13) High Water Fauna (B13) Aquatic Fauna (B13) Aquatic Fauna (B13) Find Observed (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Crayfish Burrows (C8)
Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections)	. Wetland Hydrology Present? Yes No
Remarks:	ogy present

WCMHOOL VEGETATION (Four Strata) - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant 6 Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC (A/B) Prevalence Index worksheet: Total % Cover of: OBL species _____ × 1 = ____ = Total Cover FACW species ___ × 2 = ____ 20% of total cover: FAC species x 3 = ____ FACU species x 4 = FAC UPL species **FAC** Column Totals: 15 **FAC** 10 Ν NΙ Prevalence Index = B/A = _ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 = Total Cover Problematic Hydrophytic Vegetation' (Explain) 30 12 of total cover: 20% of total cover: ¹Indicators of hydric soil and wetland hydrology must FACU be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: FAC **FACW** Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of **FACU FACU** height. **FACU** 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. (UD = Total Cover 50% of total pover: 50 20% of total cover: Hydrophytic = Total Cover Vegetation Yes X No ____ Present? 50% of total cover:/ (C) 20% of total cover: Remarks (If observed, list morphological adaptations below).

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WCMHOOLJ - U

Profile Description: (Describe to the depth	needed to document the in	dicator or confirm	the absence of ind	icatore)
Matrix	Redox Features		and absolice of file	icacors.,
(inches) Color (moist) %	Color (moist) %	Type' Loc ²	Texture	Remarks
D-8 104R312			.^ .	
8-16+ 104R 5/4			Sungan	
<u> </u>			SANCY LON	tm
)	
	Administration of the second s			
The second secon				
	All Allegands many Androide	And the second s		
Type: C=Concentration, D=Depletion, RM=R	advand Marking and Aller and			
Hydric Soil Indicators: (Applicable to all LF	educed Matrix, MS=Masked	Sand Grains.	Location: PL=P	ore Lining, M≕Matrix.
Histosol (A1)			money.	oblematic Hydric Soils ³ :
Histic Epipedon (A2)	Polyvalue Below Surface	e (S8) (LRR S, T, U)	, mm	*
Black Histic (A3)	Thin Dark Surface (S9)	(LRR S, T, U)	2 cm Muck (A	
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (Loamy Gleyed Matrix (F	F1) (LRR 0)	Reduced Ver	tic (F18) (outside MLRA 150A,B)
Stratified Layers (A5)	Depleted Matrix (F3)	- 2)	Pledmont Flo	odplain Soils (F19) (LRR P, S, T)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark Surface (Fi	31		Gright Loamy Solls (F20)
5 cm Mucky Mineral (A7) (LRR P, T, U)	Depleted Dark Surface	(F7)	(MLRA 153 Red Parent N	
Muck Presence (A8) (LRR U)	Redox Depressions (F8)		Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Marl (F10) (LRR U)			in in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Ochric (F11) (MLRA 151)		,
Coast Prairie Redox (A16) (MLRA 150A)	Iron-Manganese Masse	s (F12) (LRR O, P, 1		of hydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S)	Umbric Surface (F13) (I	_RR P, T, U)	welland h	ydrology must be present.
Sandy Gleyed Matrix (S4)	Delta Ochric (F17) (ML	RA 151)	unless dis	turbed or problematic.
Sandy Redox (S5)	Reduced Vertic (F18) (I	VILRA 150A, 150B)		
Stripped Matrix (S6)	Anomalous Bright Loan	005 (F 19) (NILKA 145)A) Na 400 a 400 a 400	
Dark Surface (S7) (LRR P, S, Y, U)	- " omalous Bright Coan	TY SONS (FZO) (MILKA	4 149A, 153C, 153D	')
Restrictive Layer (if observed):				
Type:				,
Depth (inches).	Production of the Control of the Con			
Remarks	magnitudes. The former of policies of property of the bank to the policies of the day of publications.	- All become a construction of the second state of the second stat	Hydric Son Prese	ent? Yes No
	1	*		
	A + /	youz	. 1	\cap
	Norte	1077	C () [1
			30 CV /-	nesing
		•	ę	

wcmh004_u



Upland data point wcmh004_u facing east



Upland data point wcmh004_u facing south

wcmh004 soils



Wetland/upland soils

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site. ACP City/County: Comberland Sampling Date: 16 Sept 2014
Applicant/Owner: Dominich
Investigator(s): DD WEST Sampling Point: WEST Sampl
Subtragion (1980 and 1980) The contract of the
Subregion (LRR or MLRA): T Lat: 31°51′50.606″ Long: 78°53′36.595″ Datum: WGS84
Soil Map Unit Name: Rains 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 "Normal Circumstances" present? Yes No
Are Variation Call III III
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydrophytic Soil Present? Yes No Is the Sampled Area Wetland Hydrology Present? Yes No Within a Wetland? Yes No
All parameters present
HYDROLOGY
Wetland Hydrology Indicators:
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (R6)
Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B9)
High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduced Iron (C4) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Setweller Visible on Assistance (C6)
Alcal Mater Count (B4)
Iron Deposits (R5)
Injunction Visible on Agriculturance (CS)
Water Stained Leaves (80)
Field Observations:
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes No Depth (inches): 16
Saturation Present? Yes No Depth (inches): 1/1 Westland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:
1- 1-
hydrology is present

20 1	Absolute	Dominani	Indicator	Dominance Test weekshoot
Tree Stratum (Plot size: 30 4)	% Cover	Species?	Status	Dominance Test worksheet:
1. Pinus tarda	1.0	4	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Liga damber stycaciflua	5	7/	FAC	That Are OBL, FACW, or FAC: (A)
3. Acer ruboum				Total Number of Dominant
4		_N	FAC	Species Across All Strata: (B)
4				Percent of Dominant Species
V				That Are OBL, FACW, or FAC: (A/B)
				(\(\alpha(\beta)\)
7.				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	70	~	***************************************	OBL species x 1 =
500/-4111 36		= Total Co	ver i u	
50% of total cover: 35 Sapling/Shrub Stratum (Plot size: 30 #) 1. Mucella cecifeca	20% of	total cove	r:	FACW species x 2 =
Daphingroundo Stratum (Plot size: 30 47	~ ~		ner s	FAC species x 3 =
2 Noverta ceritera	<u> </u>	<u> </u>	FAC	FACU species x 4 =
- Her Tublom	<u> </u>		FAC	UPL species x 5 =
3. Magnelie Virginiana	5_	N	FACW	Column Totals: (A) (B)
•		-		Provolence Index = P/A =
1/,				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
78	-			1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
	46	7		3 - Prevalence Index is ≤3.0'
50% of total cover 22.5		= Total Co	ver 🗬	Problematic Hydrophytic Vegetation' (Explain)
Herb Stratum (Plot size)	20% 01	f total cove	L:	
1 A a second of the second	7 -2	\checkmark		¹Indicators of hydric soil and wetland hydrology must
1 Andropagen glameratus	_5_		FACW	be present, unless disturbed or problematic.
2. Eupaterian capillifolium	2_	N	FIACU	Definitions of Four Vegetation Strata:
3. Solidage altissima 4. Panioum anseps	2	N	FACU	
4. Tenlicim anseps	_1	N	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5.	4			height.
6			***************************************	
7.	** Street of Addresses of the A. S.	******		Sapling/Shrub Woody plants, excluding vines less
8.		*		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9		***************************************		of size, and woody plants less than 3.28 ft tall.
I.U.			-	Woody vine - All woody vines greater than 3.28 ft in
		And the second s		height.
12	***************************************			
	10	= Total Co	ver	- Carrier to antique property that the statement of the s
50% of totallycover: $5\mathscr{B}$		f total cove		
Woody Vine Stratum (Plot size. 3()		10101 0010	· <u>& & </u>	
1 Smilar laurifolia	5	У	TEACH	
2. Gelsemium sempervicous	-		TIME	
3			. FRE	
J		***************************************		
4.			-	
5	+			Hydrophytic /
	10	= Total Co	ver	Vegetation a
50% of total cover:	20% o	ftotal cove	2	Present? Yes No
Remarks (If observed, list morphological adaptations belo	w)		• • • • • • • • • • • • • • • • • • • •	
, 5				
1.1 1 1	loal	1 %		
hydrophytic Ve	-geta-	tion	13	Present
• •	~			

	X		K Features			the absence of inc	
(inches) Color (moist)		Color (moist)		Type ¹	Loc²	Texture	Remarks
	100				-	<u>SC</u>	
2-20 104R5/1	<u> </u>					SL	
						The Address of the Control of the Co	

The same of the sa	The second secon	Control Colombia Colo	***************************************		Mail to the Other additional term representations		
	and the second s		**	****			
ype: C=Concentration, D=[Denletion PM-Da	duged Makin MC				7	
ydric Soil Indicators: (App	plicable to all LR	Rs, unless other	o≕Masked wise note	Sand Gra	iins.	'Location: PL=F	Pore Lining, M≕Matrix. roblematic Hydric Soils³:
J Histosol (A1)		Polyvalue Bel			RRSTI		A9) (LRR O)
Histic Epipedon (A2)		Thin Dark Su	rface (S9)	(LRR S,	r, U)		A10) (LRR S)
Black Histic (A3) Hydrogen Sulfide (A4)		Loamy Mucky	/ Mineral (F1) (LRR	0)	Reduced Ve	rtic (F18) (outside MLRA 150A,B
Stratified Layers (A5)	Th	Loamy Gleye Depleted Mat	d Matrix (1	=2)		Piedmont FI	oodplain Soils (F19) (LRR P, S, T
] Organic Bodies (A6) (LRI	R P, T, U)	Redox Dark S		6)		Anomalous (MLRA 15	Bright Loamy Soils (F20)
5 cm Mucky Mineral (A7)	(LRR P, T, U) ~	Depleted Dar	k Surface	(F7)			Material (TF2)
Muck Presence (A8) (LRI 1 cm Muck (A9) (LRR P.	RU) T\	Redox Depre	ssions (F	3)			v Dark Surface (TF12)
Depleted Below Dark Sur	rface (A11)	Marl (F10) (L Depleted Och		/D/11 (D) A //		Uther (Expla	ain in Remarks)
Thick Dark Surface (A12))	Iron-Mangane	ese Mass	(MLRA 1; es (£12) (-RR O. P	T) 3Indicators	of hydrophytic vegetation and
Coast Prairie Redox (A16	6) (MLRA 150A)	Umbric Surfa	ce (F13) (LRR P. T	U)		nydrology must be present.
Sandy Mucky Mineral (S1 Sandy Gleyed Matrix (S4	1) (LRR O, S)	Delta Ochric	(F17) (ML	RA 151)		unless di	sturbed or problematic.
Sandy Redox (S5)	,	Reduced Ver Piedmont Flo	tic (F18) (odalain S	MLRA 15	0A, 150B)	0.43	
Stripped Matrix (S6)		Anomalous B	right Loar	ny Soils (I	(MLRA 14 520) (MLR	A 149A, 153C, 153I	וכ
Dark Surface (S7) (LRR I	P, S, T, U)		-				- /
	θα):						
Lyne:						§	
Type:							<u>\</u>
Depth (inches).						Hydric Soll Pres	ent? Yes No No
Depth (inches).			1970 f. i Alle Green all Representation of Section 1980			Hydric Soll Pres	ent? Yes No
Depth (inches).			TO THE REAL PROPERTY OF THE PARTY OF THE PAR	- 1 00 00 000 0		Hydric Soll Pres	ent? Yes No No
Depth (inches).							ent? Yes No
Depth (inches).		hydric	Soil	is	6.6		ent? Yes No
Depth (inches).		hydric	So:\	is	bi6		ent? Yes No
Depth (inches).		hydric	So:\	is	bis		ent? Yes No
Depth (inches).		hydric	Soil	is	bi6		ent? Yes No
Depth (inches).		hydric	So:\	is.	bis		ent? Yes No
Depth (inches).		hydric	So:\	is	bce		ent? Yes No
Depth (inches).		hydric	So:\	is	bce		ent? Yes No
Depth (inches).		hydric	So:\	is	bis		ent? Yes No
Depth (inches).		hydric	Soil	is	bc6		ent? Yes No
		hydsic	So:\	is	bce		ent? Yes No
Depth (inches).		hydric	Soil	is.	bc6		ent? Yes No
Depth (inches).		hydric	Soil	is	bes		ent? Yes No
Depth (inches).		hydric	Soil	is	bis		ent? Yes No
Depth (inches).		hydsic	So:\	is	bis		ent? Yes No No
Depth (inches).		hydric	Soil	(15	bc6		ent? Yes No No
Depth (inches).		hydric	Soil		bis		ent? Yes No No

wcmh004f_w



wcmh004f_w facing north



wcmh004f_w facing west

wcmh004f_w soil



wcmh004f_w soil

WETLAND DETERMINATION DATA	FORM – Atlantic and Gulf Coastal Plain Region
Applicant/Owner: Dominion	
Investigation of the second	State: NC Sampling Point: SCM HO
Landform (hillslope, terrace, etc.):	Section, Township, Range: Local relief (concave, convex, none): Slope (%):
Subregion (LRR or MLRA). Lat: 24	
Soil Map Unit Name: RACH	
Are climatic / hydrologic conditions on the site typical for this time of ye	NWI classification: 43\$
Are Vegetation Soil, or Hydrology significantly	
Are Vegetation Soil, or Hydrology naturally pr	Material Control of the Control of t
	•
Solwing - Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: No Yes No No No	Is the Sampled Area within a Wetland? Yes No
All three paras	neters
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 (B1) Marl Deposits (B1)	
, invalogen suille	, , , , , , , , , , , , , , , , , , ,
Sediment Deposits (B2) Presence of Redu	
☐ Drift Deposits (B3) ☐ Recent Iron Reduc	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface	Geomorphic Position (D2)
Iron Deposits (B5) Uther (Explain in F	Remarks) Shallow Aquitard (D3)
☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9)	FAC-Neutral Test (D5)
Field Observations:	Sphagnum moss (D8) (LRR T, U)
	3):
The state of the s	3)
Saturation Present? Yes No Depth (inches	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial phot	
prior	os, previous inspections), if available:
Remarks:	
Hydrology pr	eser

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

WICH	140045
Sampling Point:	

Trans Charles (Charles 20	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:30)	% Cover Species? Status	Number of Dominant Species
1		That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
3.		Species Across All Strata: (/) (B)
4 1 101		
5		Percent of Dominant Species That Are OBL FACW or FAC: 100
6		That Are OBL, FACW. or FAC:(A/B)
7		Prevalence Index worksheet:
	The state of the s	Total % Cover of: Multiply by:
8	· -	OBL species x 1 =
	= Total Cover	
50% of total cover:	20% of total cover:	FACW species x 2 =
Septing office Country (1 for Size.	20	FAC species x 3 =
1 times landa	SO / FAC	FACU species x 4 =
2 Mengacerstera	<u> </u>	UPL species x 5 =
3. digentanton styrner the	FAC_	Column Totals: (A) (B)
4. SACEbaris halimitoha	FAC	Prevalence Index = B/A =
5		Hydrophytic Vegetation Indicators:
6.		
7.		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
35	Total Cover 14	3 - Prevalence Index is ≤3,0°
50% of total cover:	20% of total cover.	Problematic Hydrophytic Vegetation' (Explain)
Herb Stratum (Plot size. 10	20 % Of total covely.	
1 Dickentheliun sopurum	20	Indicators of hydric soil and wetland hydrology must
2. Andropagen regenicus	FACW	
3. Andropryon of omeratus	TAC	Definitions of Four Vegetation Strata:
4 Entramia minor	FACW	
	FAC	more in diameter at breast height (DBH), regardless of
5. Eugetorium leucolepis		height.
6 Solidago Gigaka		Sapling/Shrub - Woody plants, excluding vines less
2 Brynchospora mexpuso	FACW	than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8. Tanecian ancops	45FAC_	Herb - All herbaceous (non-woody) plants, regardless
9. Ericanthus giganteus	<u> 5 FACW</u>	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		1
	// C = Total Cover	
50% of total cover:	20% of total cover: 27	
Woody Vine Stratum (Plot size 30)	20% of total cover.	
1		
2 Non e		
3.		
4.		
5		Hydrophytic \ /
	= Total Cover	Vegetation
50% of total cover:	20% of total cover:	Present? Yes No
Remarks (If observed, list morphological adaptations belo	OW).	

Sampling Point: _____

Profile Desc	cription: (Describe	to the depth needed t	document the	indicator	or confirm t	the absence of indicators.)
Dehtti	iviatrix		Redox Feature	S		and absence of maleators.)
(inches)	Color (moist)	% Color (m	oist) %		Loc ²	Texture Remarks
0-6	104R 2/1		-,			Sprag lonn
6-16	LOYR 5/1	2.5Y.5	16 2	(MA	
	1					
		to communicate the content of	Comment of the Commen			
	TO AND THE TAX A REAL PROPERTY OF PERSONS IN A SEPTEMBER AND A SEC					

	-					
'Type: C=C	oncentration, D=Depi	letion, RM=Reduced M	atrix MS=Masker	d Sand Gra	ine	21 continue DI = Doro Linius Manager
Hydric Soil	Indicators: (Applica	able to all LRRs, unle	s otherwise not	ed.)	11115.	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)		ralue Below Surfa		RR S. T. U)	
	pipedon (A2)	Thin	Dark Surface (S9) (LRR S,	T, U)	2 cm Muck (A10) (LRR S)
===	istic (A3) en Sulfide (A4)		y Mucky Mineral	(F1) (LRR	0)	Reduced Vertic (F18) (outside MLRA 150A,B)
	d Layers (A5)	Loan	iy Gleyed Matrix (eted Matrix (F3)	(F2)		Piedmont Floodplain Soils (F19) (LRR P, S, T)
Organic	Bodies (A6) (LRR P,	T, U) Redo	x Dark Surface (F	-61		Anomalous Bright Loamy Soils (F20)
5 cm Mu	ucky Mineral (A7) (LR	RP, T, U) Depl	eted Dark Surface	e (F7)		(MLRA 153B) Red Parent Material (TF2)
Muck Pr	esence (A8) (LRR U) L Redo	x Depressions (F			Very Shallow Dark Surface (TF12)
Deplete	uck (A9) (LRR P, T) d Below Dark Surface		(F10) (LRR U)			Other (Explain in Remarks)
Thick Da	ark Surface (A12)		eted Ochric (F11)	(MLRA 15	51)	
Coast P	rairie Redox (A16) (N	'ILRA 150A) 💹 Umb	Manganese Mass ic Surface (F13)	es (F12) (I	-RR O, P, T] -U\	
Sandy N	Aucky Mineral (S1) (L		Ochric (F17) (ML	RA 151)	0)	wetland hydrology must be present, unless disturbed or problematic.
	Sleyed Matrix (S4)	<u> </u>	ced Vertic (F18)	(MLRA 15	0A, 150B)	,
	Redox (S5) I Matrix (S6)	Pied	nont Floodplain S	Soils (F19)	(MLRA 149)	A)
Dark Su	rface (S7) (LRR P, S	I Anor	nalous Bright Loa	my Soils (F	²⁰) (MLRA	149A, 153C, 153D)
Restrictive	Layer (if observed):					
Type:						
Depth (in	ches).					Hydric Soil Present? Yes No
Remarks		Promote Substitution and the Confession of the Substitution of the same of the Substitution of the Substit	with the second of the barry of the second o			Trydic 3011 Fresent 1 Tes / No
			1/			
			Hys)	< €	() A
			1 Kgd	TUC	des	~ present
			0			•

wcmh004s_w



Wetland data point wcmh004s_w facing east



Wetland data point wcmh004s_w facing south

WETLAND DETERMINATION DATA FORM - Atlan	ntic and Gulf Coastal Plain Region
Project/Site. ACP City/County:	emberhane Sampling Date: 9-16-14
Investigator(s): Section Toward	State: NA Sampling Point: NA
Landform (hillslope, terrace, etc.): 14115 hpe Local relief (conc	Slove (Sun (SV)
Subregion (LRR or MLRA): Lat 35/5/ 50.7/6	Long: 78°53' 40.537 Datum:
Soil Map Unit Name: Kom	NIMI classification: None
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 No
Are Vegetation, Soil, or Hydrology naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling po	oint locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No Is the Sai	mpled Area 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) Weter Algal Chapter (Marks) Primary Indicators (minimum of one is required; check all that apply) Aquatic Fauna (B13) Aquatic Fauna (B13) High Water Fauna (B13) Aquatic Fauna (B13) Aquatic Fauna (B13) Find Observed (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Crayfish Burrows (C8)
Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections)	. Wetland Hydrology Present? Yes No
Remarks:	ogy present

WCMHOOL VEGETATION (Four Strata) - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant 6 Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC (A/B) Prevalence Index worksheet: Total % Cover of: OBL species _____ × 1 = ____ = Total Cover FACW species ___ × 2 = ____ 20% of total cover: FAC species x 3 = ____ FACU species x 4 = FAC UPL species **FAC** Column Totals: 15 **FAC** 10 Ν NΙ Prevalence Index = B/A = _ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 = Total Cover Problematic Hydrophytic Vegetation' (Explain) 30 12 of total cover: 20% of total cover: ¹Indicators of hydric soil and wetland hydrology must FACU be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: FAC **FACW** Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of **FACU FACU** height. **FACU** 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. (UD = Total Cover 50% of total pover: 50 20% of total cover: Hydrophytic = Total Cover Vegetation Yes X No ____ Present? 50% of total cover:/ (C) 20% of total cover: Remarks (If observed, list morphological adaptations below).

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WCMHOOLJ - U

Profile Description: (Describe to the depth	needed to document the in	dicator or confirm	the absence of ind	icatore)
Matrix	Redox Features		and absolice of file	icacors.,
(inches) Color (moist) %	Color (moist) %	Type' Loc ²	Texture	Remarks
D-8 104R312			.^ .	
8-16+ 104R 5/4			Sungan	
<u> </u>			SANCY LON	tm
)	
	Administration of the second s			
The second secon				
	All Allegands many Androide	And the second s		
Type: C=Concentration, D=Depletion, RM=R	advand Marking and Aller and			
Hydric Soil Indicators: (Applicable to all LF	educed Matrix, MS=Masked	Sand Grains.	Location: PL=P	ore Lining, M≕Matrix.
Histosol (A1)			money.	oblematic Hydric Soils ³ :
Histic Epipedon (A2)	Polyvalue Below Surface	e (S8) (LRR S, T, U)	, mm	*
Black Histic (A3)	Thin Dark Surface (S9)	(LRR S, T, U)	2 cm Muck (A	
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (Loamy Gleyed Matrix (F	F1) (LRR 0)	Reduced Ver	tic (F18) (outside MLRA 150A,B)
Stratified Layers (A5)	Depleted Matrix (F3)	- 2)	Pledmont Flo	odplain Soils (F19) (LRR P, S, T)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark Surface (Fi	31		Gright Loamy Solls (F20)
5 cm Mucky Mineral (A7) (LRR P, T, U)	Depleted Dark Surface	(F7)	(MLRA 153 Red Parent N	
Muck Presence (A8) (LRR U)	Redox Depressions (F8)		Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Marl (F10) (LRR U)			in in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Ochric (F11) (MLRA 151)		,
Coast Prairie Redox (A16) (MLRA 150A)	Iron-Manganese Masse	s (F12) (LRR O, P, 1		of hydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S)	Umbric Surface (F13) (I	_RR P, T, U)	welland h	ydrology must be present.
Sandy Gleyed Matrix (S4)	Delta Ochric (F17) (ML	RA 151)	unless dis	turbed or problematic.
Sandy Redox (S5)	Reduced Vertic (F18) (I	VILRA 150A, 150B)		
Stripped Matrix (S6)	Anomalous Bright Loan	005 (F 19) (NILKA 145)A) Na 40 A 400 A 400	
Dark Surface (S7) (LRR P, S, Y, U)	- " omalous Bright Coan	TY SONS (FZO) (MILKA	4 149A, 153C, 153D	')
Restrictive Layer (if observed):				
Type:				,
Depth (inches).	Production of the Control of the Con			
Remarks	magnitudes. The former of policies of property of the bank to the policies of the day of publications.	- All become a construction of the second se	Hydric Son Prese	ent? Yes No
	1	*		
	A + /	youz	. 1	\cap
	1 O Le	1077	C () [1
			30 CV /-	nesing
		•	ę	

wcmh004_u



Upland data point wcmh004_u facing east



Upland data point wcmh004_u facing south

wcmh004 soils



Wetland/upland soils

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site. Applicant/Owner: Investigator(s): Section, Township, Range: Cocal relief (concave, convex, none): Concave Landform (hillstope, terrace, etc.) Subregion (LRR or MLRA) Long: / Rains Soil Map Unit Name: NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.) Are Vegetation ______, 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 Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) EAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Depth (inches) Water Table Present? Saturation Present? Depth (inches) Wetland Hydrology Present? (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.

WCMHOO3f W

Tree Stratum (Plot size: 4 30	Absolute Dominant Indicator	Dominance Test worksheet:
Tree structure () lot size.	% Cover Species? Status	Number of Dominant Species
1. Lugar Ean bas Syracities	SO WY THE	That Are OBL, FACW, or FAC: (A)
2. Her rulerum	20 MOV FIX	
3. Pines taeda	10 N PAC	Total Number of Dominant Species Across All Strata. (B)
4.	1/	Species Across All Strata: (B)
5		Percent of Dominant Species //)
6		That Are OBL, FACW, or FAC: 100 (A/B)
6		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
8.		
/13	= Total Cover	OBL species x 1 =
50% of total cover:	20% of total cover/	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30)		FAC species x 3 =
1 Ligide And pr Styrocottus	15 / FAC	FACU species x 4 =
2. Vecquin corymbosum	5 / FACH	UPL species x 5 =
3. Jethra almidolia	5 V FACIA	Column Totals: (A) (B)
4		Development of the DM
5.	Management of the second of th	Prevalence Index = B/A =
6.		Hydrophytic Vegetation Indicators:
7		
8.		2 - Dominance Test is >50%
	75 = 110	3 - Prevalence Index is ≤3.0'
50% of lotal course 17.	= Total Cover 20% of total cover:	Problematic Hydrophytic Vegetation' (Explain)
Herb Stratum (Plot size. 10	20% of total cover:	
1 Chrex glancescens	15-	¹ Indicators of hydric soil and wetland hydrology must
2. Docoloprdia aereolata	OBL OBL	be present, unless disturbed or problematic.
	- 5 ' N/ OBL	Definitions of Four Vegetation Strata:
3. Hrundinalle gygnotoa	20 C FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4.		more in diameter at breast height (DBH), regardless of
5	· · · · · · · · · · · · · · · · · · ·	height.
6	The second in commence and the second in the	Sapling/Shrub - Woody plants, excluding vines less
The state of the s		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8		Harb All harbagaaya (nan yyaady) wlanta rayaadlaas
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		, neight.
to the second se	10 = Total Cover	
50% of total cover:	20% of total cover:	
Woody Vine Stratum (Plot/size: 30	20% of total cover:	-
1 Sun line distinct	IN I FA	
2 San May (Charles)		-
2 smeet sona	- 10 V FAC	
3.		-
4.		
5	***************************************	- Hydrophytic
	20 = Total Cover [Vegetation
50% of total cover:	20% of total cover:	Present? YesNo
Remarks (If observed, list morphological adaptations below	ow).	

Sampling Point:	W
Sampling Point:	M

Profile Description: (Describe to the depth	needed to docum	ent the i	ndicator	or confirm	the absence of	Sampling Point:
. Iviatrix	Redox	Features			the absence of	indicators.
(inches) Color (moist) %	Color (moist)	%	Type'	Loc²	Texture	Remarks
0-15 10YR 2/1					LOAM	
15-18 (OYR 3/1)						7
18-741 INVE 4/1	10110 11/11					lom
10 21 10 10	104R 4/4	1		M	<u> 500</u>	
			***************************************		The Parties State Control of the Parties Stat	
		************	and the second delicated photographs	-		
Type: C=Concentration, D=Depletion, RM=F	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location: PL	=Pore Lining, M=Matrix.
mydric Soil indicators: (Applicable to all L	RRs, unless other	vise note	ed.)		Indicators for	Problematic Hydric Soils ³ :
Histosol (A1)	Polyvalue Bel	ow Surfac	ce (S8) (L	RR S, T, U)		k (A9) (LRR O)
Histic Epipedon (A2) Black Histic (A3)	Thin Dark Sur	face (S9)	(LRR S,	T, U)		k (A10) (LRR S)
Hydrogen Sulfide (A4)	Loamy Mucky	Mineral (F1) (LRR	0)	Reduced '	Vertic (F18) (outside MLRA 150A,B)
Stratified Layers (A5)	Loamy Gleyed Depleted Matr		-2)		Piedmont	Floodplain Soils (F19) (LRR P, S, T)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark S		61			s Bright Loamy Soils (F20)
5 cm Mucky Mineral (A7) (LRR P, T, U)	Depleted Dark	Surface	(F7)		(MLRA	nt Material (TF2)
Muck Presence (A8) (LRR U)	Redox Depres	ssions (F	3)			low Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Marl (F10) (LF	R U)				plain in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Ochi	ric (F11)	(MLRA 16	(1)	1	,
Coast Prairie Redox (A16) (MLRA 150A)	Iron-Mangane	se Masse	es (F12) (I	.RR O, P, 1		rs of hydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S)		e (F13) (LRR P, T,	U)		d hydrology must be present.
Sandy Gleyed Matrix (S4)	Delta Ochric (I	F17) (IVIL.	RA 151))	unless	disturbed or problematic.
Sandy Redox (S5)	Piedmont Floo	odolain Sa	nile /F191	JA, 150B) /MIDA 440	141	
Stripped Matrix (S6)	Anomalous Br	ight Loan	nv Soils (f	20) (MLRA	149A, 153C, 15	(3D)
Dark Surface (S7) (LRR P, S, T, U)		ŭ	,			
Restrictive Layer (if observed):						
Type:	-					
Depth (inches).	PANN-1-10-14				Hydric Soll Pre	esent? Yes No
Remarks	Annual violation of the soul print a section of the section () in the section () in the section (
,	1					
	La		` /		4	
	tylorc	Sc	ل	B	resen	\
	\bigcirc	-		V		
					I	
						-
						T. C.
						The second secon

wcmh003f_w



Wetland data point wcmh003f_w facing east



Wetland data point wcmh003f_w facing south

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Atlantic Coast Pipeline	City/Cour	nty: Cumberland Cou	nty	Sampling Date: <u>1/27/2016</u>
Applicant/Owner: Dominion			Sampling Point: wcmh003f_w2	
	Section,			
Landform (hillslope, terrace, etc.): Toe of slope				
Subregion (LRR or MLRA): P				
Soil Map Unit Name: Rains sandy loam	Lai		NWI classific	
	for this time of word No.			
Are climatic / hydrologic conditions on the site typical				
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology	naturally problematic	? (If needed, e	explain any answe	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site	map showing sampl	ling point location	ns, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes <u>✓</u>	No le	the Committed Avec		
	No.	the Sampled Area	Vac V	No
Wetland Hydrology Present? Yes	No	ittiiti a wetialiu:	165	NO
NCWAM classification is a headwater forest.				
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indica	ators (minimum of two required)
Primary Indicators (minimum of one is required; che	eck all that apply)		Surface Soil	Cracks (B6)
	quatic Fauna (B13)			getated Concave Surface (B8)
	larl Deposits (B15) (LRR U		Drainage Pa	
	lydrogen Sulfide Odor (C1)		Moss Trim L	
	oxidized Rhizospheres along			Water Table (C2)
	resence of Reduced Iron (C Recent Iron Reduction in Till		Crayfish Bur	rows (C8) isible on Aerial Imagery (C9)
	hin Muck Surface (C7)	ied Solis (Co)		Position (D2)
	Other (Explain in Remarks)		Shallow Aqu	
Inundation Visible on Aerial Imagery (B7)	,		FAC-Neutral	
Water-Stained Leaves (B9)			Sphagnum n	noss (D8) (LRR T, U)
Field Observations:				
Surface Water Present? Yes No				
Water Table Present? Yes No	Depth (inches): 2			
Saturation Present? Yes No	Depth (inches):	Wetland H	lydrology Preser	nt? Yes No
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previo	us inspections), if ava	ilable:	
Remarks:				

	Absolute	Dominant	Indicator	Dominance Test worksheet:					
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Number of Dominant Species					
1. Pinus taeda	75	Yes	FAC	That Are OBL, FACW, or FAC:3 (A)					
2. Pinus taeda	75	Yes	FAC						
2				Total Number of Dominant Species Across All Strata: 4 (B)					
				Species Across All Strata: 4 (B)					
4				Percent of Dominant Species					
5				That Are OBL, FACW, or FAC:75 (A/B)					
6									
7				Prevalence Index worksheet:					
8				Total % Cover of: Multiply by:					
·	75	- Total Cau		OBL species0 x 1 =0					
37.5	- Total Cover								
50% of total cover:37.5	20% of	total cover:		FACW species80					
Sapling/Shrub Stratum (Plot size:)				10 40					
1. Ilex coriacea	60	Yes	FACW	FACU species x 4 =					
2. Persea palustris	5	No	FACW	UPL species x 5 =					
3. Persea palustris	5	No	FACW	Column Totals:173					
4. Pieris phillyreifolia	5	No	FACW	0.57					
···				Prevalence Index = B/A =2.57					
5				Hydrophytic Vegetation Indicators:					
6				1 - Rapid Test for Hydrophytic Vegetation					
7				✓ 2 - Dominance Test is >50%					
8.				I —					
v	70	- Total Cov		✓ 3 - Prevalence Index is ≤3.0 ¹					
50% of total cover: 35	= Total Covel			Problematic Hydrophytic Vegetation ¹ (Explain)					
30 /0 OI total cover.	20% of	total cover:							
Herb Stratum (Plot size: 5				¹ Indicators of hydric soil and wetland hydrology must					
1. Lonicera japonica	10	Yes	FACU	be present, unless disturbed or problematic.					
2. Smilax laurifolia	8	Yes	FACW	Definitions of Four Vegetation Strata:					
3. Smilax laurifolia	8	Yes	FACW	_					
4. Smilax rotundifolia		No	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or					
Amount of the substant of the	5	No	FACW	more in diameter at breast height (DBH), regardless of height.					
o				noight.					
6. Arundinaria gigantea	5	No	FACW	Sapling/Shrub – Woody plants, excluding vines, less					
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.					
8				Herb – All herbaceous (non-woody) plants, regardless					
9				of size, and woody plants less than 3.28 ft tall.					
·									
10				Woody vine – All woody vines greater than 3.28 ft in					
11				height.					
12									
	28	= Total Cov	er						
50% of total cover: 14	20% of	total cover:	5.6						
Woody Vine Stratum (Plot size: 30)									
1. none	0								
2									
3									
4									
5.				Hydrophytic					
	0	= Total Cov	er er	Vegetation					
50% of total cover:		total cover:	•	Present? Yes No					
30 /0 OI total cover.		total cover.							
Remarks: (If observed, list morphological adaptations below	w).								

Sampling Point: wcmh003f_w2

Profile Desc	ription: (Describe	to the depth r	needed to docum	nent the i	indicator c	r confirm t	the absence	of indicate	ors.)		
Depth	Matrix			x Feature	s						
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture		Remarks		
0-6	10 YR 2/1	100					SL	mucky mi	nerai	_	
	10 YR 2/1	100					SL	mucky mi	neral	_	
6-14	10 YR 2/4	100					LS	mucky mi	neral		
					· ——						
	oncentration, D=Dep					ins.			ining, M=Matrix		
-	Indicators: (Application)	able to all LRI				D C T III			•	Solis :	
Histosol	` '	-	Polyvalue Be Thin Dark Su					Muck (A9) (I Muck (A10)	•		
Histic Epipedon (A2) Black Histic (A3)			Loamy Muck				Reduced Vertic (F18) (outside MLRA 150A,B)				
	n Sulfide (A4)	-	Loamy Gleye			•	Piedmont Floodplain Soils (F19) (LRR P, S, T)				
	l Layers (A5)	-	Depleted Ma				Anomalous Bright Loamy Soils (F20)				
_	Bodies (A6) (LRR P,		Redox Dark S	•		(MLRA 153B)					
	icky Mineral (A7) (LR esence (A8) (LRR U		Depleted Dar					arent Mater	ial (TF2) k Surface (TF1:	2)	
· 	ick (A9) (LRR P, T)		Redox Depre Marl (F10) (L		0)		Other	2)			
	Below Dark Surface	e (A11)	Depleted Oct	•	(MLRA 15	1)	00.	(Explain in i	tomario)		
Thick Da	ark Surface (A12)	-	Iron-Mangan	ese Mass	es (F12) (L	.RR O, P, T	') ³ Indio	cators of hyd	drophytic veget	ation and	
	rairie Redox (A16) (N					U)	wetland hydrology must be present,				
-	lucky Mineral (S1) (L	.RR O, S)	Delta Ochric			\A 150D\	unl	ess disturbe	ed or problemat	ic.	
-	sleyed Matrix (S4) ledox (S5)	-	Reduced Ver Piedmont Flo				Δ)				
-	Matrix (S6)	- -	Anomalous B					;, 153D)			
	rface (S7) (LRR P, S	, T, U)			•						
Restrictive I	_ayer (if observed):										
Type:			_								
Depth (inc	ches):		_				Hydric Soi	Present?	Yes	No	
Remarks:											

SOIL



Wetland data point wcmh003f_w2 facing west



Wetland data point wcmh003f_w2 facing south

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site. Applicant/Owner: Section, Township, Range: Investigator(s): Landform (hillslope, terrace, etc.): Local relief (concave, convex, none) Subregion (LRR or MLRA) Goldsboro Soil Map Unit Name: NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.) Are Vegetation _____ Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Presence of Reduced Iron (C4) Sediment Deposits (B2) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Depth (inches) Water Table Present? No Saturation Present? No Depth (inches) Wetland Hydrology Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available Remarks Do hydrology F

VI	EGETA	NOITA	(Four	Strata)	 Use	scientific	names	of nla	ants
			(\sim		Hames	UI DIC	uus.

	WCMHOO3_ Point:	,	
Sampling	Point:	(ž

Tree Stratum (Plot size:30		Dominant		Dominance Test worksheet:
1. Pinus tacoa	C 20	Species?	P	Number of Dominant Species
- mas facea	60	-	- FAC	That Are OBL, FACW, or FAC: (A)
2. Liqui Confree	- 29	$-\mathcal{M}$	FAC	Total Number of Dominant
3. Her rulerun	20		FAC	Species Across All Strata: (B)
4.				
5				Percent of Dominant Species That Are OBL, FACW. or FAC: (A/B)
6				(A/B)
7			Formous an american annual	Prevalence Index worksheet:
8.				Total % Cover of; Multiply by:
	917	= Total Co		OBL species x 1 =
50% of total cover: 41				FACW species x 2 =
20	<u> 20% of</u>	total cover	:	FAC species x 3 =
1 190 0120	20	$-$ \ $/$	1-11	FACU species x 4 =
1 Symplocas tindoricas	38		FAC	UPL species x 5 =
3. Accor rubrum o	70	<u> </u>	FAC	Column Totals: (A) (B)
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12		FAC	Column rotals (A)
4. Clothen Alnidglica	-40	<u> </u>	EACW	Prevalence Index = B/A =
5. Myrica ceritera	12	N N	FAC	Hydrophytic Vegetation Indicators:
6. Wonia lucida	10	N	FACK	1 - Rapid Test for Hydrophytic Vegetation
7.		-		2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.0'
	100	= Total Co	ver	Problematic Hydrophytic Vegetation' (Explain)
50% of total cover:				Last Troblematic Tydrophytic Vegetation (Explain)
Herb Stratum (Plot size. 10	,	/		The disease of booking with and construct to develop a construction
1 Ptericlium aguitinum	5	\sim	FALV	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2				Definitions of Four Vegetation Strata:
3.				Demittions of Four Vegetation Strata.
4	* *************************************			Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4.				more in diameter at breast height (DBH), regardless of height.
5.				noight.
The second secon				Sapling/Shrub - Woody plants, excluding vines less
7	to the second of the second of	to your and deliver, the company which we con-	TO A TOWN OF PERSONS ASSESSED.	than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.	***********			Herb – All herbaceous (non-woody) plants, regardless
9	-			of size, and woody plants less than 3.28 ft tall.
10			~	Woody vine – All woody vines greater than 3.28 ft in
11				height.
12	- 		•	
		= Total Co	ver ,	
50% of total cover: 2.5	20% of	f total cove	r: <u> </u>	
Woody Vine Stratum (Plot, size 30)	20	1	<u> </u>	
1 Smilor glayca 1	<u> 20</u>		FAC	
2. Smilax votusatoka	15		FAC	
3				
4	-			
5				
	25	- Total C-		Hydrophytic Vegetation
50% of total cover: 17.	and the same of th	= Total Co	7	Present? Yes X No
		f total cove	r: <u> </u>	
Remarks (If observed, list morphological adaptations bel	ow).			
Dominant vogotation is hyd	ronhytic			
Dominant vegetation is hydi	opriyuc			

_	-		
c	$^{\sim}$	ı	
O	w	1	1_

WCM HOO3_U

Profile Description: (Describe to the depth	needed to document the indicator or confirm t	the absence of indicators.)
Depth <u>Matrix</u>	Redox Features	·
(inches) Color (moist) %	Color (moist) % Type Loc ²	Texture Remarks
0-3 104R 3/2		Sign Cy John
3-9 254 4/3		Smoy orm
9-18+2545/		Si I
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		DCC
P. D. Sell C. C. Sellow St. 1985; Sci. C.		
AND THE RESIDENCE OF THE PARTY		
		The state of the s
Trunci Co Constanting D. D. Liting Co.		
Type: C=Concentration, D=Depletion, RM=R Hydric Soil Indicators: (Applicable to all LF	educed Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
Histosol (A1)		Indicators for Problematic Hydric Soils ³ :
Histic Epipedon (A2)	Polyvalue Below Surface (S8) (LRR S, T, U)	
Black Histic (A3)	Thin Dark Surface (S9) (LRR S, T, U) Loamy Mucky Mineral (F1) (LRR O)	2 cm Muck (A10) (LRR S)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Reduced Vertic (F18) (outside MLRA 150A,B) 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) 1 cm Muck (A9) (LRR P, T)	Redox Depressions (F8)	☐ Very Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151)	Other (Explain in Remarks)
Thick Dark Surface (A12)	Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A)	Umbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present.
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 150A, 150B)	·
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 149	
Stripped Matrix (S6) Dark Surface (S7) (LRR P. S. T. U)	Anomalous Bright Loamy Soils (F20) (MLRA	. 149A, 153C, 153D)
Restrictive Layer (if observed):		
Type:		
Depth (inches).		· · · · · · · · · · · · · · · · · · ·
Remarks	mentane	Hydric Soil Present? Yes No
Tremains		
	No hydra	() = A
	· · · · · · · · · · · · · · · · · · ·	son present
	\mathcal{L}	1

wcmh003_u



Upland data point wcmh003_u facing east



Upland data point wcmh003_u facing south

wcmh003 soils



Wetland /upland soils

WETLAND DET	ERMINATION DATA FO	RM – Atlantic and (Gulf Coastal P	lain Region G - M - 1
Project/Site:	Cit	V/County: Cum	alone O.	Sampling Date:
Applicant/Owner:	<u> </u>	7,000my. <u> </u>	4 7	Sampling Point WCMHO
Investigator(s):	Se	ction, Township, Range: _		Sampling Foling OC FILITO
Landform (hillslope, terrace, etc.):				F 21. 0 Clare (01)
Subregion (LRR or MLRA):	lat: 24° 51	147.641" Langi	78°54°02	790" Stope (%):
Soil Map Unit Name:	ins -	12-16-(1 Long.		and the same of th
Are climatic / hydrologic conditions on the s		V		cation: PSS
		7	(If no, explain in F	· • • • • • • • • • • • • • • • • • • •
Are Vegetation, Soil, or Hyd				present? Yes No No
Are Vegetation, Soil, or Hyd			explain any answe	
SUMMARY OF FINDINGS - Attac	ch site map showing sa	ampling point locati	ions, transects	s, important features, etc.
Hydric Soil Present? Wetland Hydrology Present?	Yes No	Is the Sampled Area within a Wetland?	Yes	
Scrul	Hrub weth	nd Wing	sower (m	e right-d-way
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is requ	uired; check all that apply)		F1	Cracks (B6)
Surface Water (A1)	Aquatic Fauna (B13)		Sparsely Ve	getated Concave Surface (B8)
High Water Table (A2) Saturation (A3)	Marl Deposits (B15) (L		☐ Drainage Pa	, ,
Water Marks (B1)	Hydrogen Sulfide Odo		Moss Trim L	
Sediment Deposits (B2)	Presence of Reduced	s along Living Roots (C3)		Water Table (C2)
Drift Deposits (B3)	Recent Iron Reduction		Crayfish Bur	
Algal Mat or Crust (B4)	Thin Muck Surface (C)			fisible on Aerial Imagery (C9) Position (D2)
Iron Deposits (B5)	Other (Explain in Rem		Shallow Aqu	
Inundation Visible on Aerial Imagery (B7)	,	FAC-Neutra	` '
Water-Stained Leaves (B9)			/	moss (D8) (LRR T, U)
Field Observations:	\times			
i	No / Depth (inches): _			
0 (// 0	V 2 -			\checkmark
(includes capillary fringe)			Hydrology Prese	nt? Yes No
Describe Recorded Data (stream gauge, n	nonitoring well, aerial photos, p	previous inspections), if av	/ailable:	
Remarks:				
	begy Pro	sen		

, and a state of the state of t				Sampling Point:
Tree Stratum (Plot size:)	Absolute	Dominant	Indicator	Dominance Test worksheet:
	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				(A)
3.			***************************************	Total Number of Dominant
1901				Species Across All Strata: (B)
4. A 1/1/V				
5				Percent of Dominant Species
6			***************************************	That Are OBL, FACW, or FAC: (A/B)
-		···		· ·
1				Prevalence Index worksheet:
8.			_	Total % Cover of: Multiply by:
	-	. T. L. L O.		OBL species x 1 =
****	-	= Total Cov		
50% of total cover:	20% of	total cover		FACW species x 2 =
Sapling/Shrub Stratum (Plot size:		/		FAC species x 3 =
1. Ligenem (Plot size: 1. Ligenem Styrae 1 Than	15	1/	FA	FACU species x 4 =
2. D. Espyroz virginiana	12	\rightarrow	FINC	UPL species x 5 =
3. Acer rulain	-	$ \overleftarrow{+}$		
	17		FHC	Column Totals: (A) (B)
4.	************			Provolence Index = B/A
5.				Prevalence Index = B/A =
6	•		***************************************	Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
· ·		·		2 - Dominance Test is >50%
8				
	30.	Total Cov	or	3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 17	· · · · · ·	· · ·	6 7	Problematic Hydrophytic Vegetation¹ (Explain)
Harb Stratum (Diet sine)	<u> </u>	total cover		
Herb Stratum (Plot size:)	and the	' /	′	Indicators of hydric soil and wetland hydrology must
1. Euthamia minor	YUD -		FAC	be present, unless disturbed or problematic.
2. Phoxia ymyrica	5		FACW	
3. Dehanthelyn scoperium	7		 ,	Definitions of Four Vegetation Strata:
			FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
" COUNTERING TO THE PARTY OF TH			FACH	more in diameter at breast height (DBH), regardless of
5. Amstran purpirescens	_5	ſ	FACIL	height.
6. Bidens bipinnate	20	. /	FAC	
7. Andropegon Urginicus	05		1510 0	Sapling/Shrub - Woody plants, excluding vines, less
8.			LHC	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				plante to be than one of tall
11				Woody vine - All woody vines greater than 3.28 ft in
				height.
12.				
	100 =	Total Cov	er	
50% of total cover:			0 1	
Woody Vine Stratum (Plot size:)	40% 01	total cover:		
,				
1.				
2				
3. A 777/C				
THE RESERVE TO THE RE				
4.				
5				16.4 . 1.4
		Tat-1 0		Hydrophytic
500/ . (, , , ,		Total Cov		Vegetation Present? Yes No
50% of total cover:	20% of t	total cover:		riesettt tes No
Remarks: (If observed, list morphological adaptations below	w).		L	

Profile Desc	cription: (Describe	to the depth	needed to docu	ment the i	ndicator	or confirm	the channes of l	Sampling Point:
	IVICITY		Redo	ox Features	:	01 001111111	i the absence of it	idicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc ²	Texture	Remarks
<u>Q-D</u>	1071-6/1	\mathcal{W}					TOXIGIE	Remarks
15-18+	LOYRAGO	100						
		- 100 -						
	<u> </u>							

		-		-				
		-						
¹Type: C=Co	oncentration, D=Dep	letion PM-D	Poducod Matrice NA		_			
Hydric Soil I	ndicators: (Applic	able to all I	RRs unloss othe	S=Masked	Sand Gra	ins.	² Location: PL=	Pore Lining, M=Matrix.
☐ Histosol	(A1)	anio to all El					Indicators for F	Problematic Hydric Solls ³ :
	ipedon (A2)		Polyvalue Be	low Surfac	e (S8) (Li	RS, T, U		(A9) (LRR O)
☐ Black His	stic (A3)		Thin Dark Su	irface (S9)	(LRR S, 1	(U)	2 cm Muck	(A10) (LRR S)
☐ Hydroge	n Sulfide (A4)		Loamy Muck	y Mineral (F1) (LRR	Φ)	Reduced Ve	ertic (F18) (outside MLRA 150A,B)
☐ Stratified	Layers (A5)		Depleted Ma	triv (E3)	-2)	and the same of th	Piedmont F	loodplain Soils (F19) (LRR P, S, T)
U Organic	Bodies (A6) (LRR P	, T, U)	Redox Dark	Surface (E	3)	and the same of th	Anomalous	Bright Loamy Soils (F20)
5 cm Mu	cky Mineral (A7) (LF	RR P, T, U)	Depleted Dai	'k Surface	(F7)		(MLRA 15	
Muck Pre	sence (A8) (LRR U)	Redox Depre	ssions (F8)	and the same of th	T Very Shallon	Material (TF2) w Dark Surface (TF12)
H Depleted	ck (A9) (LRR P, T)			RR U)			Other (Expl	ain in Remarks)
Thick Da	Below Dark Surface rk Surface (A12)	e (A11)	Depleted Och	nric (F11) (MLRA 15	1)		
Coast Pr	airie Redox (A12)	ALDA (COA)	I Iron-Mangan	ese Masse	s (F12) (L	RR O, P, 1	r) ³ Indicators	of hydrophytic vegetation and
Sandy M	ucky Mineral (S1) (L	RRO SI	Parameter 1	ce (F13) (L	RR P, T,	ψ)	wetland I	nydrology must be present.
☐ Sandy GI	eyed Matrix (S4)	.ixix 0, 3)	Delta Ochric	(F17) (MLF	RA 151)	•	unless di	sturbed or problematic.
Sandy Re	dox (S5)	<i>,</i>	Reduced Ver	tic (F18) (N	ILRA 150	A, 150B)		
	Matrix (S6)		Piedmont Flo	ouplain So	IIS (F19) (I	WLRA 149	(A)	
Dark Surf	ace (S7) (LRR P, S	, T, U)	, momalous D	ngni Loam	y Soils (F.	20) (NILRA	149A, 153C, 153I	P)
Restrictive L	ayer (if observed):	······································			·····			
Type:								
Depth (incl	nes):	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						×
Remarks:							Hydric Soil Pres	ent? Yes /\ No
	^	t						
11-	dric s	01/	1 0'	1			1	
17/4	7110 5	011	n0100	<i>HO</i> ~S	OV.	esev	γT	
,				•	T.		17	THE STATE OF THE S
					V			

wcmh002s1_w



Wetland data point wcmh002s1_w facing east



Wetland data point wcmh002s1_w facing south

wcmh002s1 soils



Wetland soils

WETLAND DETERMINATION DATA FOR	RM – Atlantic and Gulf Coastal Plain Region 9 – 16 – 14
	County: Cumbor Ispa Sampling Date: CMI+00
	State: Sampling Point:
Investigator(s): Sect	ion Township Range:
Landform (hillslope, terrace, etc.): Daguestich Loca	relief (concave convex none): () Slone (%):
Subregion (LRR or MLRA). T	140.932" Long 78"591" 02.062" Datum WGS 8
Soil Map Unit Name: RACIN	NWI classification:
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	
	mpling point locations, transects, important features, etc.
	The state of the s
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No	Is the Sampled Area
Wetland Hydrology Present? Yes No	within a Wetland? Yes No
WILL three parame	ters present
,	1
HYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LF	
Saturation (A3) Hydrogen Sulfide Odor	(C1) Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhizospheres	
Sediment Deposits (B2) Presence of Reduced Ir Drift Deposits (B3) Recent Iron Reduction is	
Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Other (Explain in Remai	
Inundation Visible on Aerial Imagery (B7)	rks) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches).	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	
Hydroli	oly present

WCMHOOZJ-W

		Sampling Point:
Tree Stratum (Plot size:	Absolute Dominant Indicator	Dominance Test worksheet:
(Flot size)	% Cover Species? Status	Number of Dominant Species
1. Piners tag Qc.	YOU FAC	1
		That Are OBL, FACW, or FAC: (A)
7)	30 V FAC	Total Number of Dominant
3.		
4		Species Across All Strata: (B)
4		Bossest of Demissest Court
5		Percent of Dominant Species
6		That Are OBL, FACW, or FAC: (A/B)
6		
7		Prevalence Index worksheet:
8		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
50% of tot∉∏¢over: <u>35</u>		FACW species x 2 =
	20% of total cover:	
Sapling/Shrub Stratum (Plot size 3) +)		FAC species x 3 =
1 Myrica ceritica	N/ FAC	FACU species x 4 =
2 Lignidan bon Styrneither 3. Hear advision	>>	· · · · - ·
CASTER STY MEI FIVE	20 VI	
3. Proce neurum	10 V FAC	Column Totals: (A) (B)
4. Quercus nigra	N CAL	
5	- FAC	Prevalence Index = B/A =
5		Hudrophytic Vocatetion Indicates
6		mm
7		1 - Rapid Test for Hydrophytic Vegetation
7		2 - Dominance Test is >50%
8.		1 6
	Total Cover	3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation' (Explain)
50% of total cover:	20% of total cover:	
Herb Stratum (Plot size. 10)	/	
	- 15	Indicators of hydric soil and wetland hydrology must
1 Gelsomun Semperirens	S 15 PAC	be present, unless disturbed or problematic.
2. Quereus niora	10 V FAC	Definitions of Four Vegetation Strata:
3. Aces relyion		Dominions of Four Vogotation Strata.
	ID J FAC	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
19. LACKALLANDING COURS CAN.		el diag trood bigues overgrand and a file (1.0 citi) of t
THEWY ENDENTINA	DV PA	A more in diameter at breast beight (DBH), regardless of
5. Rhenchospera men noune	S PA	hore in diameter at breast height (DBH), regardless of
5. Mynchospera mexpansa	1015 V PAC	Indicate the second of the sec
5. Mynchospera mexpansa	1015 V PAC	More in diameter at breast height (DBH), regardless of height.
6. Mynchospera mexpousa	COIS V FAC	hore in diameter at breast height (DBH), regardless of height. Sapling/Shrub Woody plants, excluding vines less
6. Mynchospera mexpousa	PACIS V FACI	/ hore in diameter at breast height (DBH), regardless of /height. Sapting/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
6. 8.	FAC	More in diameter at breast height (DBH), regardless of /height. Sapting/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
6. 8.	FAC	More in diameter at breast height (DBH), regardless of /height. Sapting/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
6. 8. 9.	FAG	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.
8. 9.	FAC	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.
6. 8. 9.	FAC	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.
8. 9.	FAC	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
5. Mynchospera mex pansa 6. 7. 8. 9. 10. 11	S PAG	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
5. Mynchospera mex pansa 6. 7. 8. 9. 10. 11 12	GS = Total Cover 2	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
5. Mynchospera mex pansa 6. 7. 8. 9. 10. 11	Total Coven	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
5. Mynchospera mex pansa 6. 7. 8. 9. 10. 11. 12. 50% of total cover:	GS = Total Cover 2	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
5. Nynchsspera Mex pansa 6 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size.	Total Coven	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
5. Mynchospera Mex poursa 6	Total Coven	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
5. Mynchsspera Mex parasa 6 7 8. 9. 10 11 12 50% of total cover: Woody Vine Stratum (Plot size.	Total Coven	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
5. Mynchsspera Mex poursa 6 7 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Control Lin Sampar vi rens 2.	Total Coven	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
5. Mynchsspera Mex parasa 6 7 8. 9. 10 11 12 50% of total cover: Woody Vine Stratum (Plot size.	Total Coven	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
5. Mynchsspera Mex poursa 6 7 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Control Lin Sampar vi rens 2.	Total Coven	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
5. Mynchsspera Mex poursa 6 7 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Control Lin Sampar vi rens 2.	Total Coven	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
5. Mynchsspera Mex poursa 6 7 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Control Lin Sampar vi rens 2.	Total Coven	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
5. Mynchsspera Mex poursa 6 7 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Control Lin Sampar vi rens 2.	Total Coven	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.
5. Mynchsspera mex pansa 6. 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. S) ++ 1 Colserm I Lan Sampar ul rens 2. 3. 4. 5	TO = Total Cover 2	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.
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5. Mynchsspera mex poursa 6 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. S) ++ 1 Colssan I Lin Sampar ul rens 2. 3. 4. 5	TO = Total Cover 2 TO = Total Cover 2 TO = Total Cover 2 20% of total cover:	Thore 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. Hydrophytic Vegetation
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5. Mynchsspera mex parasa 6. 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Colson Len Sampar ul rens 2. 3. 4. 5	TO = Total Cover 2 TO = Total Cover 2 TO = Total Cover 2 20% of total cover:	Thore 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. Hydrophytic Vegetation
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plina Point:	- 00

Profile Deep										Sampling Point:
Flottle Desc	ription: (Describe t	o the dept	h needed	to docum	nent the	indicato	r or confirm	n the absence	of indi	cators.)
Depth (inches)	Matrix Color (moist)	-		Redo.	x Feature	s				·
\(\frac{1}{\sqrt{1}}\)		%	Color (moist)	%	Type'	Loc²	Texture		Remarks
0-16	104R2/1	-						lom	m	
16-24	184R 4/2		INVR	41/4	$\overline{}$		M			
		~	1011	-//4			11/	SAND.	X-LOF	fm
					*******************************	* ************		/	/	
			***************************************	na decrement executively parame						
The state of the state of the state of the state of	A Local Sp. J. and P. S. Adv. Annihological Sp. Strategies in a Page of Annihological Sp. St.	*			**********		-			

'Type: C=Co	oncentration, D=Depl	otion DM-	Dadward	Maria Lie					***************************************	
Hydric Soil I	ndicators: (Applica	this to all	Reduced	iviatrix, ins	<u>=Maske</u>	d Sand G	rains.	² Location:	PL=Pc	ore Lining, M=Matrix.
Histosol	(Δ1)	ible to all						indicators	for Pro	oblematic Hydric Soils³:
	ipedon (A2)		H Po	lyvalue Be	low Surfa	ace (S8) (LRR S, T, L			(9) (LRR O)
Black His	stic (A3)		Thi	n Dark Su	rface (S9) (LRR S	, T, U)			(10) (LRR S)
	n Sulfide (A4)		H ros	amy Muck	y Mineral	(F1) (LR	R 0)	☐ Reduc	ced Vert	tic (F18) (outside MLRA 150A,B)
Stratified	Layers (A5)		H	amy Gleye	d Matrix	(F2)		☐ Piedm	nont Flor	odplain Soils (F19) (LRR P, S, T)
Organic	Bodies (A6) (LRR P,	Υ 111	H Ze	pleted Ma	trix (F3)			∐ Anom	alous B	right Loamy Soils (F20)
5 cm Mu	cky Mineral (A7) (LR	r, uj RPTIII	H Ke	dox Dark	Surface (F6)			RA 153	
Muck Pre	esence (A8) (LRR U)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	H	pleted Dar	'k Surfac	e (F7)				faterial (TF2)
1 cm Mu	ck (A9) (LRR P, T)		H	dox Depre rl (F10) (L	ssions (F	-8)				Dark Surface (TF12)
Depleted	Below Dark Surface	(A11)		pleted Oct		/0.41 ENA	4 2 4 1	J_J Other	(Explain	n in Remarks)
Thick Da	rk Surface (A12)		l I Iro	n-Mandan	1110 (F L L)	WILKA	151) (LRR O, P,	3		
Coast Pr	airie Redox (A16) (M	LRA 150A	J H Um	ibric Surfa	coe (E13)	// DDD D	(LKK O, P,			of hydrophytic vegetation and
Sandy M	lucky Mineral (S1) (L	RR 0, S)	- Comment	Ita Ochric	(E17) (NI	(LIKIK P., I DA 464)	1, 0)			drology must be present.
Sandy G	leyed Matrix (S4)		∏ Re	duced Ver	(* 17) (19) tic (E18)	LIVE 191	, 50A, 150B)	un:	iess aist	turbed or problematic.
	edox (S5)		Pie	dmont Flo	no (r. 10) Indulain (TIME IXW I	90A, 180B) 9) (MLRA 14	10.4)		
Stripped	Matrix (S6)		An	omalous P	rioht Los	olio 2 van	/E20\ /MI B	*9A) RA 149A, 1530	7 4 C 2 C 1	1
Dark Sur	face (S7) (LRR P, S,	T, U)	344443		rigin coe	ility Outis	(1. 50) (MILI	(A 148A, 153C	J, 103D))
Restrictive L	ayer (if observed):							T		
Type:										\ /
Depth (inc	ches).									\vee
Remarks	***			en langua i la del bene i e u la	FROM I - who see I am manage			Hydrlc Sol	l Prese	nt? Yes No No
- Torrida										The second secon
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wcmh002f_w



Wetland data point wcmh002f_w facing east



Wetland data point wcmh002f_w facing south

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site ACP City/County: Cumber 12mc Sampling Date: 9-16-14
Applicant/Owner: Dominion Point: WCMHC
Investigator(s): Section, Township, Range: Landform (hillstope, terrace, etc.): Local relief (concave, convex, none): State (%):
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR or MLRA). Lat: 3/5/1/45 Long: 78°511' 01, 220" Datum: W65 8
Soil Map Unit Name: NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: No
HYDROLOGY
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Field Observations:
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes No Depth (inches).
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
No hydrology present of Ditch the area has removed hydrology from this area.

1-7:	ames of plants.	Sampling Point:
ee Stratum (Plot size: 30 H)	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet: Number of Dominant Species
		That Are OBL, FACW, or FAC:
		Total Number of Deminent
- AU		Species Across All Strata: (B)
		- That Are OBL, FACW, or FAC: (A/B)
		Prevalence Index worksheet:
		Total % Cover of: Multiply by:
50% of lotal and 2	= Total Cover 20% of total cover:	OBL species x1 =
bling/Shrub Stratum (Plot size:)	21720% of total cover:	FACW species x 2 = FAC species x 3 =
		5.01
- 1		- 1
		Column Totals: (A) (B)
		Trovalence index = D/A =
		[]
		The state of the s
		3 - Prevalence Index is ≤3.0'
	= Total Cover	Problematic Undershutia Vanatation 1/5
b Stratum (Plot size)	20% of total cover:	
Paspolum notalum	V FACI	Indicators of hydric soil and wetland hydrology must
The state of the s	PACI	be present, unless disturbed or problematic.
	The state of the s	Definitions of Four Vegetation Strata:
	The second secon	 more in diameter at breast height (DBH), regardless of height.
	The second secon	Continuis Manufactural 1
The second of th		Sapling/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) fall.
		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.
	Managara and American State of the State of	-
500/ accord	= Total Cover	
ody Vine Stratum (Plot size)	20% of total cover:	
		-
		-
		~
	= Total Cover	- Hydrophytic Vegetation
50% of total aguar	20% of total cover	Present? Yes No
narks (If observed, list morphological adaptations be		- ~ \

Sampling Point WCMHODZ

(inches)	Matrix Color (moist)		Rede	ox Features	3		the absence of in	,	
<u>Inicites)</u>	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
				-					
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	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·						
				-					
Type: C=Cor	ncentration, D=Deple	etion, RM=Re	educed Matrix, M	S=Masked	Sand Gra	ins.	² Location: PL=F	ore Lining, M=Ma	triv
myaric Soli in	idicators: (Applica	ble to all LR	Rs, unless othe	rwise note	d.)		Indicators for P	roblematic Hydri	
Histosol (A	A1) pedon (A2)		Polyvalue B	elow Surfac	e (S8) (L	RR S, T, U			
Black Hist			Thin Dark Si	ufface (S9) cv Mineral ((LRR S,	τ, υ) Ο		A10) (LRR S)	*** *** * *** * **
	Sulfide (A4)		Loamy Gley	ed Matrix (F	-2)), 	Piedmont Fl	rtic (F18) (outside podplain Soils (F1	MLRA 150A,B 9) (LRR P. S. T
	Layers (A5) Sodies (A6) (LRR P,	T 11\	Depleted Ma				Anomalous I لـــــــــــــــــــــــــــــــــــ	Bright Loamy Soils	(F20)
5 cm Muc	ky Mineral (A7) (LR	1, U) R.P. T. U)	Redox Dark Depleted Da				(MLRA 15		
Muck Pres	sence (A8) (LRR U)	, ., -,	Redox Depri	essions (F8	(<i>- 1)</i> i)			Material (TF2) Dark Surface (TF	:12)
1 cm Much	k (A9) (LRR P, T)		Marl (F10) (L	_RR U)				in in Remarks)	12)
	Below Dark Surface k Surface (A12)	(A11)	Depleted Oc	hric (F11) (MLRA 15	1)			
Coast Prai	irie Redox (A16) (M	LRA 150A)	☐ Iron-Mangan☐ Umbric Surfa	iese iviasse ace (F13) (L	.S (F12) (L .RR P. T.	.RR 0, P, 1 U)		of hydrophytic veg ydrology must be	
Sandy Mu	icky Mineral (S1) (Li	RR O, S)	Delta Ochric	(F17) (MLI	RA 151)	1		turbed or problem	
Sandy Gle	eyed Matrix (S4) dox (S5)	,	Reduced Ve	rtic (F18) (f	VILRA 150	A, 150B)			
Stripped M	Matrix (S6)		Piedmont Flo	Bright Loam	ns (F19) (nv Soils (F	MLRA 149 (20) (MLRA	A) . 149A, 153C, 153D	A	
Dark Surfa	ace (S7) (LRR P, S,	T, U)			,, 00.10 (1	20) (11.210	. 1402, 1000, 1000	,	
Type:	yer (if observed):								
Depth (inch	iec).		_						V
Remarks:							Hydric Soil Prese	nt? Yes	No <u>X</u>
							. /		
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wcmh002_u



Upland data point wcmh002_u facing east



Upland data point wcmh002_u facing south

wcmh002 soils



Wetland soils

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site. 9/16/14 City/County: Cranbart 12-10 Applicant/Owner: NC Sampling Point: wcmh002s2_w Investigator(s): Section, Township, Range: Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concarel Subregion (LRR or MLRA): Long: 78°57' 00.97,5 Soil Map Unit Name: NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.) Are Vegetation _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: HYDROLOGY Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Depth (inches) Water Table Present? Saturation Present? Depth (inches): Wetland Hydrology Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks Hydrology prese

Sampling Point: wcmh002s2_w

Tree Stratum (Plot size:		Dominant		Dominance Test worksheet:
1. Pines toods	% Cover	Species?		Number of Dominant Species
		<u> </u>	<u>FAC</u>	That Are OBL, FACW, or FAC: 5 (A)
2				Total Number of Dominant 5
4				Species Across All Strata:(B)
5.		***************************************		Percent of Dominant Species 100
6		***		That Are OBL, FACW, or FAC: (A/B)
7	***************************************		***************************************	Prevalence Index worksheet:
8	******************			Total % Cover of: Multiply by:
	15	= Total Cov	er	OBL species x 1 =
50% <u>of total (cpver:</u> 7.5		f total cover:		FACW species x 2 =
Sapling/Shrub Stratum (Plohsize: 30 +)		7		FAC species x 3 =
1 yrilla raceni flora	40	Y	_FACW	
2 becoming corymbosun	30	. N	FACW	
3. Hear ruhrum	30	N_	FAC	Column Totals: (A) (B)
	-30	<u>Y</u>	FACW	Prevalence Index = B/A =
5. Clethra alny tolica 6. Perseen per penia	44	N	FACW FACW	
	10		FACVV	1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
	TZM	= Total Cov		3 - Prevalence Index is ≤3.01
50% gatotal cover:	20%	= Total Cov	er 2 ()	Problematic Hydrophytic Vegetation' (Explain)
Herb Stratum (Plot size. 10 +)	20700	i total cover.	2 4	
1				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2.		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Definitions of Four Vegetation Strata:
3				
64				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5.		-		height.
b		VAPPE - 11 - P MA HAMMA AND		
7	Electronic debasement			than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.				Herb – All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10		***	~	Woody vine - All woody vines greater than 3.28 ft in
11				height.
12		**	***************************************	
50% of total co	200/ -	= Total Cov		
Woody Vine, Stratum (Plot size 50 147)	20% 0	f total cover	·	
1 Smiles alaucen	20	Υ	FAC	
2. Smilax lour Folia	70	Υ —	FACW	
3.				
4.				
5				Hydrophytic \\ \frac{1}{2}
2.2	40	= Total Cov	rer 🗸	Vegetation
50% of total cover.	20% o	f total cover	: <u> </u>	Present? Yes V No
Remarks (If observed, list morphological adaptations below	ow).			
Dominant vegetation is hydrophy	ytic			
·				

Profile Desc	cription: (Describe	to the depth nee	eded to docum	nent the i	ndicator	or confirm	the absence	ofindicate	ompling Fount.
OCPIII	ivratrix		Redox	x Feature:	s		1 1110 40001100	or maicate	713.]
(inches)	Color (moist)	<u>%</u> Co	olor (moist)	%	Type ¹	Loc²	Texture		Remarks
1219	104R 2/1						Lonn		
14-18	1048411						Lonny	Soul	Ĵ
18-24	+104R41Z	104	R416	2	(m	-conne	2010	
			112				SCL		
							***		an transport defects and the department of the security of the
	THE MET WAS A SECURE OF THE PROPERTY OF THE PROPERTY AS A SECURE OF THE PROPERTY OF THE PROPER	With Mindred Manager My 1990, and 1990, Mindred Manager Manage			********				
							***************************************	****	
'Type: C=C	oncentration, D=Dep	letion, RM=Redu	red Matrix MS	-Mackad	Cond Ca		2,	***	
Hydric Soil	Indicators: (Applic	able to all LRRs	, unless other	wise note	ed.)	ains.	"Location:	for Proble	ining, M≃Matrix. matic Hydric Solls³:
Histosol	(A1)	П	Polyvalue Be			RRSTI		Muck (A9) (L	
	pipedon (A2)		Thin Dark Su	rface (S9)	(LRR S,	T, U)		viuck (A9) (L Muck (A10) i	
	istic (A3) ≥n Sulfide (A4)		Loamy Mucky	/ Mineral ((F1) (LRF	(0)	Reduc	ed Vertic (F	18) (outside MLRA 150A,B)
	d Layers (A5)		Loamy Gleye	d Matrix (F2)		Piedm	iont Floodpla	ain Soils (F19) (LRR P, S, T)
	Bodies (A6) (LRR P.	. T. U)	Depleted Mat Redox Dark S				⊥ Anoma	alous Bright	Loamy Soils (F20)
5 cm Mu	Joky Mineral (A7) (LF	RP. T. U)	Depleted Dark	k Surface	υ) (Ε7)			RA 153B) arent Mater	ial /TEO)
│	esence (A8) (LRR U) [Redox Depre	ssions (F	3)				rai (1F2) < Surface (TF12)
1 cm Mu	ick (A9) (LRR P, T)		Marl (F10) (LI	RR U)			Other	(Explain in f	Remarks)
Thick Da	d Below Dark Surface ark Surface (A12)	e (A11)	Depleted Och	ric (F11)	(MLRA 1	51)			
Coast P	rairie Redox (A16) (N	/ILRA 150A)	Iron-Mangane Umbric Surfa	ese Masse	es (F12) (LRR O, P,		cators of hyd	drophytic vegetation and
Sandy N	Aucky Mineral (S1) (L	RR O, S)	Delta Ochric ((F17) (MI	RA 151)	, 0)	wet	tland hydrol	ogy must be present.
Sandy C	Gleyed Matrix (S4)		Reduced Vert	tic (F18) (MLRA 15	0A, 150B)	uns	ess disturbe	ed or problematic.
	Redox (S5)	-	Piedmont Flo	odplain S	oils (F19)	(MLRA 14	9A)		
	Matrix (S6) rface (S7) (LRR P, S	<u></u>	Anomalous B	right Loar	ny Soils (F20) (MLR	A 149A, 153C	, 153D)	
Restrictive	Layer (if observed):	, 1, 0)							
1	, , , , , , , , , , , , , , , , , , , ,								
Depth (in	ches).								\sim
Remarks	The second secon	of the best and the second of					Hydric Soll	Present?	Yes No No
				í	•				
			/	$\langle \cdot \cdot \rangle$	\cap		- () p		
			U	VCfC	LM (- 3c	~ F	بر کارک	

wcmh002s2_w



Wetland data point wcmh002s2_w facing east



Wetland data point wcmh002s2_w facing south

wcmh002s2_w soils



Wetland soils

WETLAND DET	ERMINATION DATA FO	RM – Atlantic and (Gulf Coastal P	lain Region G - M - 1
Project/Site:	Cit	V/County: Cum	alone O.	Sampling Date:
Applicant/Owner:	<u> </u>	7,000my. <u> </u>	4 7	Sampling Point WCMHO
Investigator(s):	Se	ction, Township, Range: _		Sampling Foling OC FILITO
Landform (hillslope, terrace, etc.):				F 21. 0 Clare (01)
Subregion (LRR or MLRA):	lat: 24° 51	147.641" Langi	78°54°02	790" Stope (%):
Soil Map Unit Name:	ins -	12-16-(1 Long.		and the same of th
Are climatic / hydrologic conditions on the s		X		cation: PSS
		7	(If no, explain in F	· • • • • • • • • • • • • • • • • • • •
Are Vegetation, Soil, or Hyd				present? Yes No No
Are Vegetation, Soil, or Hyd			explain any answe	
SUMMARY OF FINDINGS - Attac	ch site map showing sa	ampling point locati	ions, transects	s, important features, etc.
Hydric Soil Present? Wetland Hydrology Present?	Yes No	Is the Sampled Area within a Wetland?	Yes	
Scrul	Hrub weth	nd Wing	sower (m	e right-d-way
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is requ	uired; check all that apply)		F1	Cracks (B6)
Surface Water (A1)	Aquatic Fauna (B13)		Sparsely Ve	getated Concave Surface (B8)
High Water Table (A2) Saturation (A3)	Marl Deposits (B15) (L		☐ Drainage Pa	, ,
Water Marks (B1)	Hydrogen Sulfide Odo		Moss Trim L	
Sediment Deposits (B2)	Presence of Reduced	s along Living Roots (C3)		Water Table (C2)
Drift Deposits (B3)	Recent Iron Reduction		Crayfish Bur	
Algal Mat or Crust (B4)	Thin Muck Surface (C)			fisible on Aerial Imagery (C9) Position (D2)
Iron Deposits (B5)	Other (Explain in Rem		Shallow Aqu	
Inundation Visible on Aerial Imagery (B7)	,	FAC-Neutra	` '
Water-Stained Leaves (B9)			/	moss (D8) (LRR T, U)
Field Observations:	\times			
i	No / Depth (inches): _			
0 (// 0	V 2 -			\checkmark
(includes capillary fringe)			Hydrology Prese	nt? Yes No
Describe Recorded Data (stream gauge, n	nonitoring well, aerial photos, p	previous inspections), if av	/ailable:	
Remarks:				
	begy Pro	sen		

, and a state of the state of t				Sampling Point:
Tree Stratum (Plot size:)	Absolute	Dominant	Indicator	Dominance Test worksheet:
	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				(A)
3.			***************************************	Total Number of Dominant
1901				Species Across All Strata: (B)
4. A 1/1/V				
5				Percent of Dominant Species
6			***************************************	That Are OBL, FACW, or FAC: (A/B)
-		···		· ·
1				Prevalence Index worksheet:
8.			_	Total % Cover of: Multiply by:
	-	. T. L. L O.		OBL species x 1 =
****	-	= Total Cov		
50% of total cover:	20% of	total cover		FACW species x 2 =
Sapling/Shrub Stratum (Plot size:		/		FAC species x 3 =
1. Ligenem (Plot size: 1. Ligenem Styrae 1 Than	15	1/	FA	FACU species x 4 =
2. D. Espyroz virginiana	12	\rightarrow	FINC	UPL species x 5 =
3. Acer rulain	-	$ \overleftarrow{+}$		
	17		FHC	Column Totals: (A) (B)
4.	*************			Provolence Index = B/A
5.				Prevalence Index = B/A =
6	•		***************************************	Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
· ·		·		2 - Dominance Test is >50%
8				
	30.	Total Cov	or	3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 17	· · · · · ·	· · ·	6 7	Problematic Hydrophytic Vegetation¹ (Explain)
Harb Stratum (Diet sine)	<u> </u>	total cover		
Herb Stratum (Plot size:)	and the	' /	′	Indicators of hydric soil and wetland hydrology must
1. Euthamia minor	YUD -		FAC	be present, unless disturbed or problematic.
2. Phoxia ymyrica	5		FACW	
3. Dehanthelyn scoperium	7		 ,	Definitions of Four Vegetation Strata:
			FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
" COUNTERING TO THE PARTY OF TH			FACH	more in diameter at breast height (DBH), regardless of
5. Amstran purpirescens	_5	ſ	FACIN	height.
6. Bidens bipinnate	20	. /	FAC	
7. Andropegon Urginicus	05		1510 0	Sapling/Shrub - Woody plants, excluding vines, less
8.			LHC	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				plante to be than one of tall
11				Woody vine - All woody vines greater than 3.28 ft in
				height.
12.				
	100 =	Total Cov	er	
50% of total cover:			0 1	
Woody Vine Stratum (Plot size:)	40% 01	total cover:		
,				
1.				
2				
3. A 777/C				
THE RESERVE TO THE RE				
4.				
5				16.4 . 1.4
		Tat-1 0		Hydrophytic
500/ . (, , , ,		Total Cov		Vegetation Present? Yes No
50% of total cover:	20% of t	total cover:		riesettt tes No
Remarks: (If observed, list morphological adaptations below	w).		L	

Profile Des	cription: (Describe	to the depth	needed to docur	nent the i	Indicator	or confirm	the charge of	Sampling Point:
l *	TYTOTTA		Redo	x Feature	e	or commit	title absence of t	ndicators.)
(inches)	Color (moist)	%	Color (moist)	<u> %</u>		Loc ²	Texture	Domestic
0-2	1041-6/1	\mathcal{W}					Texture	Remarks
15-18+	WYRIGHT	100		•				
		100 -					-	
				·	***************************************	-		
-	—		······································					
						1		
								
1Tymps 0-0								
	oncentration, D=Dep	letion, RM=R	educed Matrix, MS	S=Masked	Sand Gra	ins.	21 ocation: DI -	Pore Lining, M=Matrix.
	maicators. (Applica	able to all LF	Rs, unless other	wise note	ed.)		Indicators for	Problematic Hydric Solis ³ :
III HISTOSOI	(A1)		Polyvalue Bel			D C T 11		
Histic E	ipedon (A2)		Thin Dark Sui	rface (SQ)	// DD C 7	r 10	- Juneary	(A9) (LRR O)
☐ Black Hi			Loamy Mucky	/ Mineral ((LIXIX 3, 1	() ()	2 cm Muck	(A10) (LRR S)
	n Sulfide (A4)		Loamy Gleye	d Matrix /F	=0)	γ,	H Reduced V	ertic (F18) (outside MLRA 150A,B)
Stratified	Layers (A5)		Depleted Mat	rix (F3)	_)		Pleamont F	Floodplain Soils (F19) (LRR P, S, T)
U Organic	Bodies (A6) (LRR P,	T, U)	Redox Dark S	Surface (Fi	6)		Anomalous	Bright Loamy Soils (F20)
5 cm Mu	cky Mineral (A7) (LR	R P, T, U)	Depleted Darl	k Surface	(F7)		(MLRA 1	
☐ Muck Pri	sence (A8) (LRR U)	1	Redox Depres	ssions (F8	(, ,)		H Ked Parent	t Material (TF2)
1 cm Mu	ck (A9) (LRR P, T)		☐ Marl (F10) (L I	RR UI	′1		Very Shallo	ow Dark Surface (TF12)
Depleted	Below Dark Surface	(A11)	Depleted Och	ric (F11) (MLRA 15	1)	L Other (Expi	lain in Remarks)
H Thick Da	rk Surface (A12)		Iron-Mangane	se Masse	s (F12) (L	ነ/ RROP1	T) ³ Indicators	of budge at the control of
Coast Pr	airie Redox (A16) (M	LRA 150A)	Umbric Surfac	ce (F13) (L	-RR P. T.	(I)		of hydrophytic vegetation and
☐ Sandy M	ucky Mineral (S1) (L	RR O, S)	Delta Ochric (F17) (MLI	RA 151)	Τ'	welland	hydrology must be present,
☐ Sandy G	eyed Matrix (S4)		Reduced Vert	ic (F18) (N	VILRA 150	A. 150R)	uniess u	isturbed or problematic.
Sandy R	edox (S5)	<i>-</i>	Piedmont Floo	odplain So	ils (F19) (MLRA 149	Δ١	
Stripped	Matrix (S6)		Anomalous Br	ight Loam	v Soils (F:	20) (MI RA	~, \ 149A, 153C, 153	n)
Dark Sur	face (S7) (LRR P, S,	T, U)			, (1 1402, 1000, 100	<i>b</i>)
	ayer (if observed):			······································				
Type:								
Depth (inc	nes):					1		X
Remarks:							Hydric Soil Pres	ent? Yes No
	^	ŧ.						
11-	dric s	-x. 1	0 !	1				
77	x = 0	211 +	ndica	HONS		20 CP 6	$\sim t$	
1		•	(10 -		11	00(1	17	
					V			
								,
								ļ

wcmh002s1_w



Wetland data point wcmh002s1_w facing east



Wetland data point wcmh002s1_w facing south

wcmh002s1 soils



Wetland soils

WETLAND DETERMINATION DATA FOR	RM – Atlantic and Gulf Coastal Plain Region 9 – 16 – 14
	County: Cumbor Ispa Sampling Date: CMI+00
	State: Sampling Point:
Investigator(s): Sect	ion Township Range:
Landform (hillslope, terrace, etc.): Daguestich Loca	relief (concave convex none): () Slone (%):
Subregion (LRR or MLRA). T	140.932" Long 78"591" 02.062" Datum WGS 8
Soil Map Unit Name: RACIN	NWI classification:
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	
	mpling point locations, transects, important features, etc.
	The state of the s
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No	Is the Sampled Area
Wetland Hydrology Present? Yes No	within a Wetland? Yes No
WILL three parame	ters present
,	1
HYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LF	
Saturation (A3) Hydrogen Sulfide Odor	(C1) Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhizospheres	
Sediment Deposits (B2) Presence of Reduced Ir Drift Deposits (B3) Recent Iron Reduction is	
Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Other (Explain in Remai	
Inundation Visible on Aerial Imagery (B7)	rks) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches).	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	
Hydroli	oly present

WCMHOOZJ-W

		Sampling Point:
Tree Stratum (Plot size:	Absolute Dominant Indicator	Dominance Test worksheet:
(Flot size)	% Cover Species? Status	Number of Dominant Species
1. Piners tag Qc.	YOU FAC	1
		That Are OBL, FACW, or FAC: (A)
7)	30 V FAC	Total Number of Dominant
3.		
4		Species Across All Strata: (B)
4		Bossest of Demissest Court
5		Percent of Dominant Species
6		That Are OBL, FACW, or FAC: (A/B)
6		
7		Prevalence Index worksheet:
8		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
50% of tot∉∏¢over: <u>35</u>		FACW species x 2 =
	20% of total cover:	
Sapling/Shrub Stratum (Plot size 3) +)		FAC species x 3 =
1 Myrica ceritica	N/ FAC	FACU species x 4 =
2 Lignidan bon Styrneither 3. Hear advision	>>	· · · · - ·
CASTER STY MEI FIVE	20 VI	
3. Proce neurum	10 V FAC	Column Totals: (A) (B)
4. Quercus nigra	N CAL	
5	- FAC	Prevalence Index = B/A =
5		Hudrophytic Vocatetion Indicates
6		mm
7		1 - Rapid Test for Hydrophytic Vegetation
7		2 - Dominance Test is >50%
8.		1 6
	Total Cover	3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation' (Explain)
50% of total cover:	20% of total cover:	
Herb Stratum (Plot size. 10)	/	
	- 15	Indicators of hydric soil and wetland hydrology must
1 Gelsomun Semperirens	S 15 PAC	be present, unless disturbed or problematic.
2. Quereus niora	10 V FAC	Definitions of Four Vegetation Strata:
3. Aces relyion		Dominions of Four Vogotation Strata.
	ID J FAC	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
19. LACKALLANDING COURS CAN.		el diag trood bigues overgrand and a file (1.0 citi) of t
THEWY ENDENTINA	DV PA	A more in diameter at breast beight (DBH), regardless of
5. Rhenchospera men noune	S PA	hore in diameter at breast height (DBH), regardless of
5. Mynchospera mexpansa	1015 V PAC	Indicate the second of the sec
5. Mynchospera mexpansa	1015 V PAC	More in diameter at breast height (DBH), regardless of height.
6. Mynchospera mexpousa	COIS V FAC	hore in diameter at breast height (DBH), regardless of height. Sapling/Shrub Woody plants, excluding vines less
6. Mynchospera mexpousa	PACIS V FACI	/ hore in diameter at breast height (DBH), regardless of /height. Sapting/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
6. 8.	FAC	More in diameter at breast height (DBH), regardless of /height. Sapting/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
6. 8.	FAC	More in diameter at breast height (DBH), regardless of /height. Sapting/Shrub Woody plants, excluding vines less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
6. 8. 9.	FAG	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.
8. 9.	FAC	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.
6. 8. 9.	FAC	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.
8. 9.	FAC	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
5. Mynchospera mex pansa 6. 7. 8. 9. 10. 11	S PAG	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
5. Mynchospera mex pansa 6. 7. 8. 9. 10. 11 12	GS = Total Cover 2	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
5. Mynchospera mex pansa 6. 7. 8. 9. 10. 11	Total Coven	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
5. Mynchospera mex pansa 6. 7. 8. 9. 10. 11. 12. 50% of total cover:	GS = Total Cover 2	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
5. Nynchsspera Mex pansa 6 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size.	Total Coven	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
5. Mynchospera Mex poursa 6	Total Coven	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
5. Mynchsspera Mex parasa 6 7 8. 9. 10 11 12 50% of total cover: Woody Vine Stratum (Plot size.	Total Coven	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
5. Mynchsspera Mex poursa 6 7 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Control Lin Sampar vi rens 2.	Total Coven	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
5. Mynchsspera Mex parasa 6 7 8. 9. 10 11 12 50% of total cover: Woody Vine Stratum (Plot size.	Total Coven	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
5. Mynchsspera Mex poursa 6 7 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Control Lin Sampar vi rens 2.	Total Coven	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
5. Mynchsspera Mex poursa 6 7 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Control Lin Sampar vi rens 2.	Total Coven	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
5. Mynchsspera Mex poursa 6 7 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Control Lin Sampar vi rens 2.	Total Coven	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
5. Mynchsspera Mex poursa 6 7 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Control Lin Sampar vi rens 2.	Total Coven	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.
5. Mynchsspera mex pansa 6. 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. S) ++ 1 Colserm I Lan Sampar ul rens 2. 3. 4. 5	TO = Total Cover 2	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.
5. Mynchsspera mex poursa 6 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Colsonnium Sampar ul rens 2. 3. 4. 5	TO = Total Cover 2 TO = Total Cover 2 TO = Total Cover 2 20% of total cover:	Thore 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. Hydrophytic Vegetation
5. Mynchsspera mex poursa 6 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. S) ++ 1 Colssan I Lin Sampar ul rens 2. 3. 4. 5	TO = Total Cover 2 TO = Total Cover 2 TO = Total Cover 2 20% of total cover:	Thore 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. Hydrophytic Vegetation
5. Mynchsspera mex poursa 6 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Colsonnium Sampar ul rens 2. 3. 4. 5	TO = Total Cover 2 TO = Total Cover 2 TO = Total Cover 2 20% of total cover:	Thore 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. Hydrophytic Vegetation
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5. Mynchsspera mex parasa 6. 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Colson Len Sampar ul rens 2. 3. 4. 5	TO = Total Cover 2 TO = Total Cover 2 TO = Total Cover 2 20% of total cover:	Thore 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. Hydrophytic Vegetation
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5. Mynchsspera mex parasa 6. 7. 8. 9. 10. 11 12 50% of total cover: Woody Vine Stratum (Plot size. 1 Colson Len Sampar ul rens 2. 3. 4. 5	TO = Total Cover 2 TO = Total Cover 2 TO = Total Cover 2 20% of total cover:	Thore 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. Hydrophytic Vegetation

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plina Point:	- 00

Profile Deep	100									Sampling Point:	
Flottle Desc	ription: (Describe t	o the dept	th needed	d to docur	nent the	indicato	r or confirm	the absence	of indi	cators.)	
Depth (inches)	Color (moist)	-		Redo	x Feature	s				•	
		%	Color	(moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-16	104R2/1	**						lom	m		
16-24	184R 3/2		INYR	4/6	$\overline{}$		ha				
		***************************************	101.				11/	SAND.	X-107		
		,		THE SECTION OF STREET	-			***************************************			
F 55 199 F distance and property as	A new are 7 at 2 % All declarations with particular in a significant conditions of a 10 and 1			*****************				***************************************			
'Type: C=Co	ncentration, D=Depl	etion RM=	:Raducad	Matrix M	On March	.1010		2.	***************************************		
Hydric Soil I	ndicators: (Applica	ble to all	I RRs un	lace other	S-Waske	o Sano G	rains.	*Location:	PL=Po	ore Lining, M=Matrix.	
Histosol	(A1)							indicators		oblematic Hydric Soils³:	
	ipedon (A2)		H^{rc}	niyvalue Be	low Surfa	ace (S8) (LRR S, T, U			9) (LRR O)	
Black His	stic (A3)		+ ''	iin Dark Su amy Muck	mace (S9)) (LRR S	, T, U)			10) (LRR S)	
	n Sulfide (A4)		Hi	amy Gleye	y iviinerai	(F1) (LK	R O)	Reduc	ced Verti	ic (F18) (outside MLRA 150A	ι,B)
Stratified	Layers (A5)		H De	pleted Ma	triv /Ea\	(1-2)		H Pledm	nont Floo	odplain Soils (F19) (LRR P, S.	, T)
Organic	Bodies (A6) (LRR P.	T, U)	Re	edox Dark	uia (F3) Surface (E6)				right Loamy Soils (F20)	
5 cm Mu	cky Mineral (A7) (LR	RP.T.UI	∏ De	pleted Dai	rk Surface	. 0 <i>)</i> e (E7)			RA 1531	B) laterial (TF2)	
│	esence (A8) (LRR U)		70000	dox Depre	essions (F	E (1 1)				Dark Surface (TF12)	
1 cm Mu	ck (A9) (LRR P, T)		□ ма	arl (F10) (L	.RR UI	0,				n in Remarks)	
Depleted	Below Dark Surface	(A11)		pleted Oct		(MLRA	151)	July Ottlei	וומונלא"ו	i iii Kemaiks)	
Thick Da	rk Surface (A12)		l Iro	n-Mangan	ese Mass	ses (F12)	(LRR O. P.	T) ³ Indi	cators o	f hydrophytic vegetation and	
Coast Pr	airie Redox (A16) (M	ILRA 150A	N)] Ur	nbric Surfa	ice (F13)	(LRR P,	T, U)			drology must be present.	
Sandy M	ucky Mineral (S1) (L	RR O, S)	D∈	elta Ochric	(F17) (IVI	LRA 151)	un		urbed or problematic.	
	leyed Matrix (S4)		L R∈	educed Ver	tic (F18)	(MLRA 1	50A, 150B)			and the proposition.	
	edox (S5)		Pie	edmont Flo	odplain S	Soils (F19) (MLRA 14	(A9			
J Oach Sin	Matrix (S6)		⊥ Ar	nomalous E	Bright Loa	my Soils	(F20) (MLR	A 149A, 1530	D, 153D)		
Restrictive I	face (S7) (LRR P, S, ayer (if observed):	, T, U)									
1	,										
Type:										\ /	
Depth (inc	hes).	P Total Character & Marie Constitution of the	the date of the board of the date of the d	The same of the sa	T TO 1 - who was a see section			Hydric Soi	l Preser	nt? Yes No	
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					19	1 2	(7) C	Soul		reson	
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та при											
-											

wcmh002f_w



Wetland data point wcmh002f_w facing east



Wetland data point wcmh002f_w facing south

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site ACP City/County: Cumber 12mc Sampling Date: 9-16-14
Applicant/Owner: Dominion Point: WCMHC
Investigator(s): Section, Township, Range: Landform (hillstope, terrace, etc.): Local relief (concave, convex, none): State (%):
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR or MLRA). Lat: 3/5/1/45 Long: 78°511' 01, 220" Datum: W65 8
Soil Map Unit Name: NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: No
HYDROLOGY
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U) Field Observations:
Surface Water Present? Yes No Depth (inches):
Water Table Present? Yes No Depth (inches).
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
No hydrology present of Ditch the area has removed hydrology from this area.

	ames of plants.	Sampling Point:
ee Stratum (Plot size: 30 H)	Absolute Dominant Indicato % Cover Species? Status	Dominance Test worksheet: Number of Dominant Species
		That Are OBL, FACW, or FAC:
		Total Number of Deminent
- AU		Species Across All Strata: (B)
		- That Are OBL, FACW, or FAC: (A/B)
		Prevalence Index worksheet:
		- T + 10/ 0
		OBL species x 1 =
50% of total cover: 2	= Total Cover 20% of total cover:	FACW species x2 =
oling/Shrub Stratum (Plot size:)	20% of total cover:	FAC species x3 =
		54011
- 1		- 1
		Column Totals:(A)(B)
		Hydrophytic Vagotatlan Indicators
		C)
		- 3 - Prevalence Index is ≤3.01
50% 61 10171 001011	= Total Cover	Problematic Hydrophytic Vegetation' (Explain)
b Stratum (Plot size10 \$\frac{1}{2} \frac{1}{2} \frac{1} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \f	20% of total cover:	
Paspolum notalum	V FAC	Indicators of hydric soil and wetland hydrology must
		Definitions of Four Vegetation Strate
		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
		height.
the same water that he separate with his reservoir states are considered in comment and the desire continue reservoir.		Sapling/Shrub - Woody plants, excluding vines less
	THE PROBLEM CONTROL OF THE BOOK OF MICHAEL STREET, AND	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 apver:	20% of total cover:	
ody Vine Stratum (Plot size. 30)		
		~~
		_
		- Hydrophytic
	= Total Cover	Vegetation Present? Yes No
50% of total access	20% of total cover:	140

Sampling Point WCMHODZ

Depth (inches)	Matrix Color (moist)		Rede	ox Features	3		the absence of in	,	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	}
	-				-				
· · · · · · · · · · · · · · · · · · ·									·
	-								
			· · · · · · · · · · · · · · · · · · ·						
Type: C=Co	ncentration, D=Deple	etion, RM=R	educed Matrix, M	S=Masked	Sand Gra	ins.	² Location: PL=F	ore Lining, M=Ma	trix
myarıc Soli li	ndicators: (Applica	ble to all LF	Rs, unless othe	rwise note	d.)		Indicators for P	roblematic Hydri	
Histosol ((A1) ipedon (A2)		Polyvalue B	elow Surfac	e (S8) (L	RR S, T, U		A9) (LRR O)	
Black His			Thin Dark Si	uпасе (S9) cv Mineral ((LRR S,	r, u)		A10) (LRR S)	
	n Sulfide (A4)		Loamy Gley	ed Matrix (F	-2)), 	Piedmont Fl	rtic (F18) (outside podplain Soils (F1	9) (LRR P. S. T
	Layers (A5) Bodies (A6) (LRR P,	T 11\	Depleted Ma				Anomalous I	Bright Loamy Soils	(F20)
5 cm Mud	cky Mineral (A7) (LRI	1, U) R.P. T. U)	Redox Dark Depleted Da				(MLRA 15		
Muck Pre	esence (A8) (LRR U)	, ., -,	Redox Depri	essions (F8	(<i>- 1)</i> i)			Material (TF2) / Dark Surface (TF	-12)
1 cm Mud	ck (A9) (LRR P, T)		Marl (F10) (L	_RR U)				in in Remarks)	12)
	Below Dark Surface rk Surface (A12)	(A11)	Depleted Oc	hric (F11) (MLRA 15	1)	•		
Coast Pra	airie Redox (A16) (IM	LRA 150A)	☐ Iron-Mangan☐ Umbric Surfa	iese iviasse ace (F13) (I	·S (F12) (L -RR P. T.	.RR O, P, 1 (1)		of hydrophytic veg ydrology must be	
Sandy Mu	ucky Mineral (S1) (LF	RR O, S)	Delta Ochric	(F17) (MLI	RA 151)	1		sturbed or problem	
Sandy Gl	eyed Matrix (S4)		Reduced Ve	rtic (F18) (I	VILRA 150	A, 150B)		•	
	Matrix (S6)		Piedmont Flo	oodplain Sc Bright Loam	NIS (F19) (NV Soils (F	MLRA 149	A) . 149A, 153C, 153D	N.	
Dark Surf	face (S7) (LRR P, S,	T, U)		origin Loui	i) 00113 (1	20) (MEICA	149A, 1930, 193L	"	
	ayer (if observed):				***************************************				
Type: Depth (incl	hos):		_						V
Remarks:	1103).						Hydric Soil Prese	nt? Yes	No <u>X</u>
							. /		
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	R	0516) k) W			
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	R	0516) [k	JW			
	R	0516				JW			
	R	0516				JW			
	R	0516				JW			

wcmh002_u



Upland data point wcmh002_u facing east



Upland data point wcmh002_u facing south

wcmh002 soils



Wetland soils

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region Project/Site. 9/16/14 City/County: Cranbart 12-10 Applicant/Owner: NC Sampling Point: wcmh002s2_w Investigator(s): Section, Township, Range: Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concarel Subregion (LRR or MLRA): Long: 78°57' 00.97,5 Soil Map Unit Name: NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.) Are Vegetation _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: HYDROLOGY Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim Lines (B16) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Thin Muck Surface (C7) Geomorphic Position (D2) Iron Deposits (B5) Other (Explain in Remarks) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) FAC-Neutral Test (D5) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Depth (inches) Water Table Present? Saturation Present? Depth (inches): Wetland Hydrology Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks Hydrology prese

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

Sampling Point: wcmh002s2_w

Tree Stratum (Plot size:		Dominant		Dominance Test worksheet:
1. Pines toods	% Cover	Species?		Number of Dominant Species
		<u> </u>	<u>FAC</u>	That Are OBL, FACW, or FAC: 5 (A)
2				Total Number of Dominant 5
4				Species Across All Strata:(B)
5		***************************************		Percent of Dominant Species 100
6		***		That Are OBL, FACW, or FAC: (A/B)
7	***************************************		***************************************	Prevalence Index worksheet:
8	***************************************			Total % Cover of: Multiply by:
	15	= Total Cov	er	OBL species x 1 =
50% <u>of total (cpver:</u> 7.5		f total cover:		FACW species x 2 =
Sapling/Shrub Stratum (Plohsize: 30 +)		7		FAC species x 3 =
1 yrilla raceni flora	40	Y	_FACW	
2 becoming corymbosun	30	. N	FACW	
3. Hear ruhrum	30	N_	FAC	Column Totals: (A) (B)
	-30	<u>Y</u>	FACW	Prevalence Index = B/A =
5. Clethra alny tolica 6. Perseen per penia	44	N	FACW FACW	
	10		FACVV	1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
	TZM	= Total Cov		3 - Prevalence Index is ≤3.01
50% gatotal cover:	20%	= Total Cov	er 2 ()	Problematic Hydrophytic Vegetation' (Explain)
Herb Stratum (Plot size. 10 +)	20700	i total cover.	2 4	
1				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2.		~~~~		Definitions of Four Vegetation Strata:
3				
64				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5.		-		height.
b		VAPPE - 11 - P MA HAMMA AND		
7	Electronic debasement			than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.				Herb – All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10		***	~	Woody vine - All woody vines greater than 3.28 ft in
11				height.
12		**	***************************************	
50% of total co	200/ -	= Total Cov		
Woody Vine, Stratum (Plot size 50 147)	20% 0	f total cover	·	
1 Smiles alaucen	20	Υ	FAC	
2. Smilax lour Folia	70	Υ —	FACW	
3.				
4.				
5				Hydrophytic \\ \frac{1}{2}
2.2	40	= Total Cov	rer 🗸	Vegetation
50% of total cover.	20% o	f total cover	: <u> </u>	Present? Yes V No
Remarks (If observed, list morphological adaptations below	ow).			
Dominant vegetation is hydrophy	ytic			
·				

Profile Desc	cription: (Describe	to the depth nee	eded to docum	nent the i	ndicator	or confirm	the absence	ofindicate	ompling Fount.
OCPIII	ivratrix		Redox	x Feature:	s		1 1110 40001100	or maicate	713.]
(inches)	Color (moist)	<u>%</u> Co	olor (moist)	%	Type ¹	Loc²	Texture		Remarks
1219	104R 2/1						Lonn		
14-18	1048411						Lonny	Soul	Ĵ
18-24	+104R41Z	104	R416	2	(m	-conne	2010	
			112				SCL		
	Complete a state of the state o						***		an transport defects and the department of the security of the
	THE MET WAS A SECURE OF THE PROPERTY OF THE PROPERTY AS A SECURE OF THE PROPERTY OF THE PROPER	With Mindred Manager My 1990, and 1990, Mindred Manager Manage			********				
							***************************************	****	
'Type: C=C	oncentration, D=Dep	letion, RM=Redu	red Matrix MS	-Mackad	Cond Ca		2,	***	
Hydric Soil	Indicators: (Applic	able to all LRRs	, unless other	wise note	ed.)	ains.	"Location:	for Proble	ining, M≃Matrix. matic Hydric Solls³:
Histosol	(A1)	П	Polyvalue Be			RRSTI		Muck (A9) (L	
	pipedon (A2)		Thin Dark Su	rface (S9)	(LRR S,	T, U)		viuck (A9) (L Muck (A10) i	
	istic (A3) ≥n Sulfide (A4)		Loamy Mucky	/ Mineral ((F1) (LRF	(0)	Reduc	ed Vertic (F	18) (outside MLRA 150A,B)
	d Layers (A5)		Loamy Gleye	d Matrix (F2)		Piedm	iont Floodpla	ain Soils (F19) (LRR P, S, T)
	Bodies (A6) (LRR P.	. T. U)	Depleted Mat Redox Dark S				⊥ Anoma	alous Bright	Loamy Soils (F20)
5 cm Mu	Joky Mineral (A7) (LF	RP. T. U)	Depleted Dark	k Surface	0) (E7)			RA 153B) arent Mater	ial /TEO)
│	esence (A8) (LRR U) [Redox Depre	ssions (F	3)				rai (1F2) < Surface (TF12)
1 cm Mu	ick (A9) (LRR P, T)		Marl (F10) (LI	RR U)			Other	(Explain in f	Remarks)
Thick Da	d Below Dark Surface ark Surface (A12)	e (A11)	Depleted Och	ric (F11)	(MLRA 1	51)			
Coast P	rairie Redox (A16) (N	/ILRA 150A)	Iron-Mangane Umbric Surfa	ese Masse	es (F12) (LRR O, P,		cators of hyd	drophytic vegetation and
Sandy N	Aucky Mineral (S1) (L	RR O, S)	Delta Ochric ((F17) (MI	RA 151)	, 0)	wet	tland hydrol	ogy must be present.
Sandy C	Gleyed Matrix (S4)		Reduced Vert	tic (F18) (MLRA 15	0A, 150B)	uns	ess disturbe	ed or problematic.
	Redox (S5)	-	Piedmont Flo	odplain S	oils (F19)	(MLRA 14	9A)		
	Matrix (S6) rface (S7) (LRR P, S	<u></u>	Anomalous B	right Loar	ny Soils (F20) (MLR	A 149A, 153C	, 153D)	
Restrictive	Layer (if observed):	, 1, 0)							
1	, , , , , , , , , , , , , , , , , , , ,								
Depth (in	ches).								\sim
Remarks	The second secon	of the best of the state of the					Hydric Soll	Present?	Yes No No
				í	•				
			/	$\langle \cdot \cdot \rangle$	\cap		- () p		
			U	VCfC	LM (- 3c	~ F		

wcmh002s2_w



Wetland data point wcmh002s2_w facing east



Wetland data point wcmh002s2_w facing south

wcmh002s2_w soils



Wetland soils

WETLAND DETERMINATION DATA	FORM – Atlantic and Gulf Coastal Plain Region
A	City/County: Cumber And Sampling Date: 9-19-14
Applicant/Owner: Dom (nion	State: Sampling Point:
La de la companya de	Section, Township, Range:
Landform (hillslope, terrace, etc.): Loon sign	local relief (concave, convey, none): / 674 / 1416 Clara (01)
Subregion (LRR or MLRA): (Lat: 75/0)	Local relief (concave, convex, none): <u>CONCAPUR</u> Slope (%):
Soil Map Unit Name: Rains	
Are climatic / hydrologic conditions on the site typical for this time of ye	NWI classification:
Are Vegetation, Soil, or Hydrology significantly	dicturbed?
Are Vegetation, Soil, or Hydrology naturally pr	
	•
	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes NoNo	Is the Sampled Area
Hydric Soil Present? Wetland Hydrology Present? Yes No No	within a Wetland? Yes No
Remarks:	
All three pa	rame for
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of (wo required) Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B1	Limmy
High Water Table (A2) Marl Deposits (B1)	5) (LRR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide	
	heres along Living Roots (C3) Dry-Season Water Table (C2)
	parma
Algal Mat or Crust (B4) Thin Muck Surface	
Iron Deposits (B5) Other (Explain in F	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Fleid Observations:	
Surface Water Present? Water Table Present? Yes No Depth (inches	
Saturation Present? Yes No Depth (inches	s): Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial phot	production of the contraction of
gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	<u> </u>
Hydrology 1	nesent
1 igen cray of 1	

WCM HOOST Sampling Point: ________

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

			W	Sampling Point:
Tree Stratum (Plot size: PO #	Absolute	Dominan	t Indicator	Dominance Test worksheet:
	% Cover	Species'	? Status	
1. tinus tacke	00	\ \ /	TAI	Number of Dominant Species
2. Laws Amon Survey this		-	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	That Are OBL, FACW, or FAC: (A)
THE OLD THE STATE OF		-	. 17C	Table
3			•	Total Number of Dominant
4.		***************************************	***************************************	Species Across All Strata: (B)
4.	-	******		
5.				Percent of Dominant Species / 757
6.	***************************************	***************************************		That Are OBL, FACW, or FAC: (A/B)
6				
7				Prevalence Index worksheet:
8				1
				Total % Cover of: Multiply by:
		≃ Total Co	Vor :	OBL species x 1 =
500/-41110 ///	-	Total Co	<i>lb</i>	
50% of total/gover:	🔔 20% of	total cove	r: _ • •	FACW species x 2 =
Sapling/Shruti Stratum (Plot size:				FAC species x 3 =
1. Lygorgalar Sysacitua	20	. /	FAC	EACH species
2. Morella cerciera			TAL	FACU species x 4 =
2. Vilorella ceritera	20	・フ	FA(UPL species x 5 =
3. Diessa sulvatica	70		war An	
4. Clethra almifolica	42			Column Totals: (A) (B)
	10		PPLU/	
5. Magnelia Virginiana	r		EAVIT	Prevalence Index = B/A =
6 1 McCaple of Francisco			<u>raw</u>	Hydrophytic Vegetation Indicators:
6. Uscenium torym bosum	_5_		EALW	
7.				1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
8.	***************************************			3 - Prevalence Index is ≤3.0 ¹
	70 :	= Total Co	VOE	***************************************
500/ man 2 6		- Total Co	vei /, /	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of Potal cover: 35	20% of	total cover	: 14	, , , , , , , , , , , , , , , , , , ,
Herb Stratum (Plot size: 10 47)		/	/ /	•
1. Paniem onceps	25	1/.	A FÌ	¹Indicators of hydric soil and wetland hydrology must
	42		1 1/4	be present, unless disturbed or problematic.
2. Rynghospera cophlantin	10	\sim	ABL	Definitions of Four Vegetation Strata:
3. Woodymedia virginica	10	-	56L	Beattitions of Four vegetation Strata:
	10		<u> </u>	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
	ID		FACIL	more in diameter at breast height (DBH), regardless of
5. Khynchospora moxpansa	10	1/	EVACE	height,
6			FILL	r noight,
6				Sanling/Chruh Woody plants and discount
7				Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				than 5 m. DBH and greater than 3.28 ft (1 m) tall.
8		•		Harb All barbagaga (non march) atauta
9				Herb - All herbaceous (non-woody) plants, regardless
10.		*************		of size, and woody plants less than 3.28 ft tall.
10				Moody vino All words since and the control
11.				Woody vine – All woody vines greater than 3.28 ft in
12.	-	***************************************		height,
12.				
· ·	65 :	Total Cov	ør –	
50% of total Cover: 32,5			4 3	
Waadu Vine Qui ()	20% of	total cover	:	
Woody Vine Stratum (Plot size: 30)		,		
1. Sundax Jauca	10		EAC	
	10	<u> </u>	THE	
2.				
3.				
A				
4			ŀ	,
5,		***************************************	~~~~·,	\ /
			***************************************	Hydrophytic
	10 .	: Total Cov	/er _	Vegetation
50% of total cover:			() i	Present? Yes No
Pomorks: (If abouted list	20% 011	total cover	:	ACCOUNTED CONTRACTOR AND
Remarks: (If observed, list morphological adaptations below	v).		L	
	•			

-				
0	~~	1	ŧ	
. "	1)	ſ		

WCMHOOSE W Sampling Point:

Profile Description: (Describe to the dep	oth needed to docur	ment the indicat	or or conflue	460060000000000000000000000000000000000	Sampling Point:
IVIATIA	Redo	x Features	or or confirm	the absence of i	ndicators.)
(inches) Color (moist) %	Color (moist)	% Type	Loc ²	Texture	Remarks
CONTRACTOR OF THE SECTION OF THE SEC				TOMBIO	Nemarks
0-9 10YR 211		* *************************************		7	
9-18-1048 5/2	10310 1111	778 0		SANdyle	MM
La Tro	104R 4/6	120 C	_ //\	SCL	
		-			
		-		**************************************	
		* *************************************			
17.		**************			
Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to all	=Reduced Matrix, MS	S=Masked Sand	Grains	21 ocation: DI	Pore Lining, M=Matrix.
Applicable to all	LRRs, unless other	wise noted.)	3.4.10.	Indicators for	Problematic Hydric Soils ³ :
Histosol (A1)	Polyvalue Be	low Surface (S8)	(LRR S. T. U		(A9) (LRR O)
Histic Epipedon (A2) Black Histic (A3)	Thin Dark Su	rface (S9) (LRR	S, Ti U)		(A10) (LRR S)
Hydrogen Sulfide (A4)	Loamy Muck	y Mineral (F1) (L	RR (0)	Reduced V	ertic (F18) (outside MLRA 150A,B)
Stratified Layers (A5)	Loamy Gleye	d Matrix (F2)		Piedmont F	Floodplain Soils (F19) (LRR P, S, T)
Organic Bodies (A6) (LRR P, T, U)	Depleted Mai	irix (F3)	in the second	Anomalous	Bright Loamy Soils (F20)
5 cm Mucky Mineral (A7) (LRR P. T. U)	Redox Dark S	Surface (F6) k Surface (F7)		(MLRA 1	53B)
Muck Presence (A8) (LRR U)	Redox Depre	ssions (F8)		Red Parent	t Material (TF2)
1 cm Muck (A9) (LRR P, T)	Marl (F10) (L	RR U)	E. a. c.	Other (Evol	ow Dark Surface (TF12) Jain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Och	ric (F11) (MLRA	151)		iaiii iii Remarks)
Thick Dark Surface (A12) Coast Prairie Redox (A16) (WILRA 1504	Iron-Mangane	ese Masses (F12	LRROP .	r) ³ Indicators	s of hydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S)	2000	ce (F13) (LRR P	, T, Ų)	wetland	hydrology must be present,
Sandy Gleyed Matrix (S4)	Delta Ochric	(F17) (NLRA 15	1) '	unless d	listurbed or problematic.
Sandy Redox (S5)	Piedmont Flo	tic (F18) (MLRA	150A, 150B)		
Stripped Matrix (S6)	Anomalous B	odplain Soils (F1	9) (NLRA 149	0A) \ 149A, 153C, 153	
Dark Surface (S7) (LRR P, S, T, U)		right Loanly Gon	S (FZO) (WILKA	4 149A, 153C, 153	(D)
Restrictive Layer (if observed):	······································				
Type:					`
Depth (inches):				Hydric Soil Pres	onta Van
Remarks:				riyane son Fies	sent? Yes / No
, 1				-	
61.	1	`()			
lyge	lac So	04	Dies	zon	The state of the s

wcmh008f_w



Wetland data point wcmh008f_w facing east



Wetland data point wcmh008f_w facing south

WEILAND DETERMINATION DATA F	FORM – Atlantic and Gulf Coastal Plain Region 🧇 / 🥱 🕏 /८
	City/County: Cumber (And Sampling Date:
Applicant/Owner: Dominion	Sampling Date:
	State: No Sampling Point: Sampling Point: State:
	Section, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, none): Slope (%): 0 - 2
Subregion (LRR or MLRA): Lat: 343	135.711" Long: 78°511'40.141" Datum: W65'8
Soil Map Unit Name: Cold Soro	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year	ar? Yes X No //f no explain in Remarks)
Are Vegetation, Soil, or Hydrology significantly of	
Are Vegetation, Soil or Hydrology naturally prol	
Attach site map snowing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No Remarks:	Is the Sampled Area within a Wetland? Yes No
Kernarks: Kofall-three	parameters present
HYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1) Aquatic Fauna (B13	Surface Soil Cracks (B6)
High Water Table (A2) Marl Deposits (B15)	
Saturation (A3) Hydrogen Sulfide O	
	eres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduce	
Drift Deposits (B3) Recent Iron Reducti	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 Re	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
1 6 7 77 78	:
(includes capillary fringe)	: Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos	s, previous inspections), if available:
Remarks:	
No la son	VZIAA DAGAGAST
100 rajeno	logy present
	·

7/6				Sampling Point:
Tree Stratum (Plot size:	Absolute	Dominan	Indicator	Dominance Test worksheet:
	% Cover	Species'	? Status	Number of Dominant Species
1. Pinus faecler	50	$\sqrt{}$	FAC	71 1 4 001 01 01 01 01
,				That Are OBL, FACW, or FAC: (A)
2.		***************************************		Total Number of Developed
3				Total Number of Dominant
4.		***************************************		Species Across All Strata: (B)
4				
5.				Percent of Dominant Species
G				That Are OBL, FACW, or FAC: (A/B)
6				
7.				Prevalence Index worksheet:
8		-		4
8				Total % Cover of: Multiply by:
	50	= Total Co		OBL species x 1 =
9 ~		- rotar co	ver / n	
50% of total cover: 25	20% or	f total cove	r: 10	FACW species x 2 =
Sapling/Shrub Stratum (Plot size:			***************************************	FAC species x 3 =
1 / 100	A	. /		
1. Granidamber etypolithia	20		FAC	FACU species x 4 =
2. Her rubeum	10	V .	TAC	UPL species x 5 =
31			- [] _ ,	
1 English Virginiana	10		LHUW	Column Totals: (A) (B)
4. Simplowe tinctoling	10	$\sqrt{}$	CIAL	
				Prevalence Index = B/A =
6 During Chillian	2		EAC.	Hydrophytic Vegetation Indicators:
V. Willettill ETITATE	2		FIACU	parameter
7. Phus cogallina		***************************************	- 	1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
8.				(passed)
	7.0	~		3 - Prevalence Index is ≤3.01
27		= Total Co	ver _{(a}	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 32	立 20% oi	total cover	r: 12	and the state of t
Herb Stratum (Plot size:				
1 84 000	12		g	¹ Indicators of hydric soil and wetland hydrology must
1. Pteridium aquillings	15_	<u>~</u>	EAW	be present, unless disturbed or problematic.
2. Janioun ansvots	25		AIT	
3. Legge diera capitata	13			Definitions of Four Vegetation Strata:
The water Cafiffal 9	10_			Troo Woody plants evaluation visco 01 (T.O.)
4.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5.				hole in diameter at preast neight (DBH), regardless of
5.		****		height.
6				Conline/Chych Wasdandards and discount
7				Sapling/Shrub - Woody plants, excluding vines, less
8			-	than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Houle All books are an a factor of the facto
9				Herb - All herbaceous (non-woody) plants, regardless
10		***************************************		of size, and woody plants less than 3.28 ft tall.
10		-		Mandy who All wants who are well at the control
11.				Woody vine - All woody vines greater than 3.28 ft in
12			***************************************	height,
	50	= Total Co	Ver	
500/ of total ? C	~		1 -0	
50% of total gover:	20% of	total cover	r: <u>/ / /</u>	
Woody Vine Stratum (Plot size: 30 1)				
1. Somelar Insurantal	2		VOIAZ . I	
of the state of th			CKKIN	
2. Vitil cottonalitica	_5	12	F147	
3. Smilax retund Cala	7		TEM Z	
(C.)				
4. Beiseminn sympervinos	5		FAC.	
5			tobaconadina gipanii (1995)	
	-7.7			Hydrophytic \ /
	242	= Total Co	ver i	Vegetation
50% of total cover:	20% 06	total cover	4	Present? Yes No
	01	total COVE	· <u>-</u>	
Remarks: (If observed, list morphological adaptations belo	w).			

WEM	40086	
		XA

SOIL		
Profile Description: (Describe to the dep	th needed to document the indicator or confirm	Sampling Point:
IVIALIX	Redox Features	if the absence of indicators.)
(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	<u>Texture</u> Remarks
0-4 104R3/1		sonly lown
1 1 109K4/3		sprey lown
1-16 104R5/3_	104R5/4 2	5/1
ę	Management of the Control of the Con	
19 Marian 19 Mar		
Type: C=Concentration D. D. L.		
Hydric Soil Indicators: (Applicable to all	Reduced Matrix, MS=Masked Sand Grains.	² Location: PL≒Pore Lining, M=Matrix.
Histosol (A1)		Indicators for Problematic Hydric Solis ³ :
Histic Epipedon (A2)	Polyvalue Below Surface (S8) (LRR S, T, U) Thin Dark Surface (S9) (LRR S, T, U)	
Black Histic (A3)	Loamy Mucky Mineral (F1) (LRR Ø)	2 cm Muck (A10) (LRR S)
Hydrogen Sulfide (A4) Stratified Layers (A5)	Loamy Gleyed Matrix (F2)	Reduced Vertic (F18) (outside MLRA 150A,B) Piedmont Floodplain Soils (F19) (LRR P, S, T)
Organic Bodies (A6) (LRR P, T, U)	Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
5 cm Mucky Mineral (A7) (LRR P. T. U)	Redox Dark Surface (F6) Depleted Dark Surface (F7)	(MLRA 153B)
Muck Presence (A8) (LRR U)	Redox Depressions (F8)	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11)	Marl (F10) (LRR U)	Other (Explain in Remarks)
Thick Dark Surface (A12)	Depleted Ochric (F11) (MLRA 151)	
Coast Prairie Redox (A16) (MLRA 1504	Iron-Manganese Masses (F12) (LRR O, P, Umbric Surface (F13) (LRR P, T, U)	
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochric (F17) (MLRA 151)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Sandy Redox (S5)	Reduced Vertic (F18) (MLRA 150A, 150B)	
Stripped Matrix (S6)	Piedmont Floodplain Soils (F19) (MLRA 14	9A)
Dark Surface (S7) (LRR P, S, T, U)	Anomalous Bright Loamy Soils (F20) (MLR	A 149A, 153C, 153D)
Restrictive Layer (if observed):		
Type:		
Depth (inches):		Hydric Soll Present? Yes No
Remarks:	^	Noneman Application of the Control o
	$n \rightarrow n \rightarrow n \rightarrow n$	
	NO Mydr	W Son Mosa
	O	- 00 - /P 12000

wcmh008_u



Upland data point wcmh008_u facing east



Upland data point wcmh008_u facing south

wcmh008 soils



Wetland/upland soils

WETLAND DETERMINATION DATA	FORM – Atlantic and Gulf Coastal Plain Region
Project/Site:	City/County: Curvery Sampling Date: 9-19-14
Applicant/Owner: Dominicon	State: No Sampling Point: COCM 140
Investigator(s): DUEST	Section, Township, Range:
Landform (hillslope, terrace, etc.):	local relief (concave convex popo): (cTM (data to class (ct))
Subregion (LRR or MLRA): Lat: 34°	51'41.170 Long: 78'54'33.339' Datum: WES
Soil Map Unit Name: Lynnh wen	
Are climatic / hydrologic conditions on the site typical for this time of year	NWI classification: 135
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Remarks: Remarks:	Is the Sampled Area within a Wetland? Yes No
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) (C7) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2)
Field Observations:	(20) (Ett. (1, 0)
Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Yes No Depth (inches Yes No Depth (inches	S): Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photo	os, previous inspections), if available:
Remarks:	gy present

WCMHOOSS -W

VEGETATION (Four Strata) - Use scientific names of plants. Sampling Point: Absolute Dominant Indicator Tree Stratum (Plot size: Dominance Test worksheet: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Total % Cover of: OBL species _____ ×1=____ = Total Cover 50% of total cover: FACW species ×2=____ 20% of total cover: Sapling/Shrub Stratum (Plot size: FAC species ____ x3=____ FACU species ___ ____ ×4≔ UPL species _____ ×5= ____ Column Totals: ____ (A) ____ (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2- Dominance Test is >50% 3 - Prevalence Index is ≤3.01 = Total Cover Problematic Hydrophytic Vegetation¹ (Explain) 50% of total cover: 20% of total cover Herb Stratum (Plot size: ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. MEV 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 MACN of size, and woody plants less than 3.28 ft tall. Woody vine - All woody vines greater than 3.28 ft in 11. height. 12. = Total Cover 50% of total cover: 5 2 Woody Vine Stratum (Plot size Hydrophytic Vegetation _ = Total Cover Present? 50% of total cover: ___ ___ 20% of total cover: Remarks: (If observed, list morphological adaptations below).

WCMHOD85 -W

SOIL

Profile Description: (Describe to the		Sampling Point:
Profile Description: (Describe to the depth r	needed to document the indicator or confirm	the absence of indicators.)
(inches) Color(inches)	Redox Features	•
0-16 104R2/1	Color (moist) % Type ¹ Loc ²	<u>Texture</u> Remarks
<u> </u>		long son 7 70% conted
16-20-101R 211		
		With son
The second secon		
Name of the second seco		
Type: C=Concentration, D=Depletion, RM=Red Hydric Soil Indicators: (Applicable 45 all LBs	duced Matrix MC-M-1-10	
Hydric Soil Indicators: (Applicable to all LRF	Rs. unless otherwise metal \	² Location: PL=Pore Lining, M=Matrix,
. Histosol (A1)		Indicators for Problematic Hydric Solis ³ :
Histic Epipedon (A2)	Polyvalue Below Surface (S8) (LRR S, T, U	
Black Histic (A3)	Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
Stratified Layers (A5)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Organic Bodies (A6) (LRR P. T. U)	Redox Dark Surface (F6)	L Anomalous Bright Loamy Soils (F20)
5 cm Mucky Mineral (A7) (LRR P. T. (I)	Depleted Dark Surface (F7)	(MLRA 153B)
☐ Muck Presence (A8) (LRR U)	Redox Depressions (F8)	Red Parent Material (TF2)
	Marl (F10) (LRR U)	Very Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Depleted Ochric (F11) (MLRA 151)	Other (Explain in Remarks)
Thick Dark Surface (A12)	Iron-Manganese Masses (F12) (LRR O, P,	T) 3Indicators of history to 1
Coast Prairie Redox (A16) (IVILRA 150A)	Umbric Surface (F13) (LRR P, T, U)	 Indicators of hydrophytic vegetation and wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 150A, 150B)	diffess disturbed of problematic.
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 145	9A)
Stripped Matrix (S6)	Anomalous Bright Loamy Soils (F20) (MLRA	4 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)		, , , , , , , , , , , , , , , , , , , ,
Restrictive Layer (if observed):		
Type:		. ,
Depth (inches):		Hydric Soil Present? Yes No
Remarks:		Hydric Soll Present? Yes No
	/1 0	F ()
	Hydra S	A Classical Control of the Control o
	Server of	present -
		,

wcmh008s_w



Wetland data point wcmh008s_w facing east



Wetland data point wcmh008s_w facing south

wcmh008 soils



Wetland/upland soils

WETLAND DETERMINATION DATA	FORM – Atlantic and Gulf Coastal Plain Region
A	City/County: Cumber And Sampling Date: 9-19-14
Applicant/Owner: Dom (nion	State: Sampling Point:
La de la companya de	Section, Township, Range:
Landform (hillslope, terrace, etc.): Loon sign	local relief (concave, convey, none): / 674 / 1416 Clara (01)
Subregion (LRR or MLRA): (Lat: 75/0)	Local relief (concave, convex, none): <u>CONCAPUR</u> Slope (%):
Soil Map Unit Name: Rains	
Are climatic / hydrologic conditions on the site typical for this time of ye	NWI classification:
Are Vegetation, Soil, or Hydrology significantly	dicturbed 2 Are (No. and I Company to the control of the control o
Are Vegetation, Soil, or Hydrology naturally pr	
	•
	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes NoNo	Is the Sampled Area
Hydric Soil Present? Wetland Hydrology Present? Yes No No	within a Wetland? Yes No
Remarks:	
All three pa	rame for
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B1	Limmy
High Water Table (A2) Marl Deposits (B1)	5) (LRR U) Drainage Patterns (B10)
Saturation (A3) Water Marks (B1) Hydrogen Sulfide of Oxidized Rhizosoft	
Sediment Deposits (B2) Oxidized Rhizosph Presence of Redu	heres along Living Roots (C3) Dry-Season Water Table (C2)
	ced Iron (C4)
Algal Mat or Crust (B4) Thin Muck Surface	
Iron Deposits (B5) Other (Explain in F	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9) Fleid Observations:	Sphagnum moss (D8) (LRR T, U)
Surface Water Present? Yes No Depth (inches	
	s):
Saturation Present? Yes No Denth (inches	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial phot	production of the contraction of
	ios, provious inspections), it available.
Remarks:	
Hydrology 1	Silver
1	

WCM HOOST Sampling Point: ________

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

				Sampling Point:
Tree Stratum (Plot size: PO #	Absolute	Dominan	t Indicator	Dominance Test worksheet:
	% Cover	Species'	? Status	
1. tinus tacke	BO	\ \ /	TAI	Number of Dominant Species
2. Laws Amon Survey the		-	- J - 1 - 1	That Are OBL, FACW, or FAC: (A)
THE OLD THE STATE OF		-	11AC	Table 1
3			•	Total Number of Dominant
4.		***************************************	* *************************************	Species Across All Strata: (B)
4.	-	******	-	
5.				Percent of Dominant Species /
6.	***************************************	***************************************		That Are OBL, FACW, or FAC: (A/B)
6				
7				Prevalence Index worksheet:
8	-			
	-			Total % Cover of: Multiply by:
		≃ Total Co	Mor ·	OBL species x 1 =
500/-41110 ///	7	Total Co	16	
50% of total/gover:	🔔 20% of	total cove	r:	FACW species x 2 =
Sapling/Shruti Stratum (Plot size:				FAC species x 3 =
1. Lygorgalar Sysacitua	20	. /	FAC	EACH species
2. Morella cerciera			TAL	FACU species x 4 =
2. Vilorella ceritera	20	・フ	FA(UPL species x 5 =
3. Diessa sulvatica	70		- A.D	
4. Clethra almifolica	42			Column Totals: (A) (B)
	10		PRU	
5. Magnetia Virginiana	r		ENVIT	Prevalence Index = B/A =
6 1 McCaple of Francisco			LIV I	Hydrophytic Vegetation Indicators:
6. Uscenium torym bosum	_5_		PACW	
7.				1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
8.	***************************************			3 - Prevalence Index is ≤3.01
	77	= Total Co	VOE	* STORAGE
500/ man 2 6		- Total Co	vei /, /	Problematic Hydrophytic Vegetation ¹ (Explain)
50% of Potal cover: 35	20% of	total cover	r: <u>/</u> /	O
Herb Stratum (Plot size: 10 47)		/	/ /	
1. Paniem onceps	25	1/.	A FÌ	¹Indicators of hydric soil and wetland hydrology must
	42		[V.J.	be present, unless disturbed or problematic.
2. Rynghospera cophlantin	10	\sim	ABL	Definitions of Four Vegetation Strata:
3. Woodymedia virginica	10	-	56L	Bernitions of Four vegetation Strata:
	10		<u> </u>	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
	ID		FIACW	more in diameter at breast height (DBH), regardless of
5. Khynchospora moxpansa	10	1/	CIACLA	height,
6			FELL	r noight,
6				Sanling/Chruh Woody plants and discount
7				Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				than 5 m. DBH and greater than 3.28 ft (1 m) tall.
8		•		Harb All barbagaga (non was de) atauta
9				Herb - All herbaceous (non-woody) plants, regardless
10.		************		of size, and woody plants less than 3.28 ft tall.
10				Moody vino All words vinos and III o oo tu
11.				Woody vine - All woody vines greater than 3.28 ft in
12.	-	***************************************		height.
12.	-			
	65:	Total Cov	uer _	
50% of total fover: 32,5			4 1	
Waadu Vine Qui ()	20% of	total cover		
Woody Vine Stratum (Plot size: 30)		,		
1. Sundax Jauca	10	. /	EN	
	10		THE	
2.				
3				
1			************	
4			Ī	
5,		***************************************	***************************************	\ /
	100			Hydrophytic
	10 .	: Total Cov	/er	Vegetation
50% of total cover:		total cover	() I	Present? Yes No
Remarks: (If observed list manufacture)	20 % 01	total cover		Annual Control of the
Remarks: (If observed, list morphological adaptations below	v).			
				· ·

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0	~~	1	ŧ	
. "	1)	ſ		

WCMHOOSE W Sampling Point:

Profile Description: (Describe to the dep	oth needed to docur	ment the indica	itor or conflue	Abo observe 81	Sampling Point:
IVIBILIX	Redo	x Features	itor or confirm	the absence of i	ndicators.)
(inches) Color (moist) %	Color (moist)	<u>%</u> Tyr	e Loc²	Texture	Remarks
CONTRACTOR SOLVER				TOXICIO	Nemarks
0-9 10YR 211	***************************************	* *************************************		7	
9-18-10485/2	10010 1111	778 6		SANdyla	DAN
The state of the s	10×11/6	120 C	1//	SCL	
		-		***************************************	
		* *************************************			
17.					
Type: C=Concentration, D=Depletion, RM: Hydric Soil Indicators: (Applicable to all	=Reduced Matrix, MS	S=Masked Sand	Grains	21 ocation: DI	Pore Lining, M=Matrix.
Applicante to all	LRRs, unless other	wise noted.)		Indicators for	Problematic Hydric Soils ³ :
HISTOSOI (A1)	. Polyvalue Be	low Surface (St	3) (LRR S. T. U		(A9) (LRR O)
Histic Epipedon (A2) Black Histic (A3)	Thin Dark Su	rface (S9) (LRF	RS. TLUI		(A10) (LRR S)
Hydrogen Sulfide (A4)	Loamy Muck	y Mineral (F1) (I	_RR (0)	Reduced V	ertic (F18) (outside MLRA 150A,B)
Stratified Layers (A5)	Loamy Gleye	d Matrix (F2)	000000000000000000000000000000000000000	Piedmont F	Floodplain Soils (F19) (LRR P, S, T)
Organic Bodies (A6) (LRR P, T, U)	Depleted Mat	irix (F3)		Anomalous لــــــــــــــــــــــــــــــــــــ	Bright Loamy Soils (F20)
5 cm Mucky Mineral (A7) (LRR P. T. U)	Redox Dark S	Surface (F6) k Surface (F7)	5.00	(MLRA 1	53B)
Muck Presence (A8) (LRR U)	Redox Depre	ssions (F8)	0.0	Red Paren	t Material (TF2)
1 cm Muck (A9) (LRR P, T)	Marl (F10) (L	RR U)	E e e e e e e e e e e e e e e e e e e e	Other (Eva	ow Dark Surface (TF12) lain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Och	ric (F11) (MLR.	A 151)		iaiii iii Remarks)
Thick Dark Surface (A12) Coast Prairie Redox (A16) (WILRA 1504	Iron-Mangane	ese Masses (F1	2) (LRR O P	T) ³ Indicators	s of hydrophytic vegetation and
Sandy Mucky Mineral (S1) (LRR O, S)	72777	ce (F13) (LRR I	Ρ, ͳ, ψ)	wetland	hydrology must be present,
Sandy Gleyed Matrix (S4)	Delta Ochric	(F17) (IVILRA 1	51) '	unless o	listurbed or problematic.
Sandy Redox (S5)	Piedmont Fla	tic (F18) (NLRA	(150A, 150B)		
Stripped Matrix (S6)	Anomalous B	odplain Soils (F	19) (NLRA 149	9A) A 149A, 153C, 153	
Dark Surface (S7) (LRR P, S, T, U)		right Loanly Gol	IS (FZO) (WILKA	4 149A, 153C, 153	(03
Restrictive Layer (if observed):					
Type:	and the same stage				`
Depth (inches):				Hydric Soil Pres	yont? You
Remarks:				riyunc 3011 F108	sent? Yes / No
, 1				_	
/. /.	0	`()		\bigcap	
lyce	lac So	51	Dies	soul	100 miles proposed on a second of the second
\bigcirc					

wcmh008f_w



Wetland data point wcmh008f_w facing east



Wetland data point wcmh008f_w facing south

WEILAND DETERMINATION DATA FO	DRM – Atlantic and Gulf Coastal Plain Region 🔑 / 🥱 🦯 /८
	ty/County: Cumber (And Sampling Date:
Applicant/Owner: Dominion	youthly. Sampling Date:
	State: No Sampling Point: Sampling Point:
	ection, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Lo	cal relief (concave, convex, none): Slope (%): 0
Subregion (LRR or MLRA): Lat: 34/5/	35.71(" Long: 78°511′40.141″ Datum: W65°8
Soil Map Unit Name: Golds So70	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no explain in Remarks)
Are Vegetation, Soil, or Hydrology significantly dis	
Are Vegetation, Soil, or Hydrology naturally proble	· · · · · · · · · · · · · · · · · · ·
Attach site map snowing s	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Is the Sampled Area within a Wetland? Yes No
Nortall-three	parameters present
HYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
Surface Water (A1) Aquatic Fauna (B13)	Surface Soil Cracks (B6)
High Water Table (A2) Marl Deposits (B15) (I	Sparsely Vegetated Concave Surface (B8) LRR U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odd	
	es along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduced	
Drift Deposits (B3) Recent Iron Reduction	
Algal Mat or Crust (B4) Thin Muck Surface (C	
Iron Deposits (B5) Other (Explain in Rem	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches): _	
Water Table Present? Yes No Depth (inches): _	
Saturation Present? Yes No Depth (inches): _	
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:
Remarks:	
No has	THE DOG SOUTH
100 1000	ogy present
	·

	A			Sampling Point:
Tree Stratum (Plot size:	Absolute	Dominan	t_Indicator	Dominance Test worksheet:
	% Cover	Species'	? Status	Number of Dominant Species
1. Pinus faecles	50	$\sqrt{}$	FAC	71 1 4 001 01 01 01 01
,				That Are OBL, FACW, or FAC: (A)
2.				Total Number of Developed
3				Total Number of Dominant
4.		***************************************		Species Across All Strata: (B)
4				
5.				Percent of Dominant Species
G	• • • • • • • • • • • • • • • • • • • •			That Are OBL, FACW, or FAC: (A/B)
6				
7.				Prevalence Index worksheet:
8	*	-	* *************************************	4
8				Total % Cover of: Multiply by:
	30	= Total Co		OBL species x 1 =
9 ^		- Iotal Co	ver / n	
50% of total cover: 25	20% of	f total cove	r. W	FACW species x 2 =
Sapling/Shrub Stratum (Plot size:			***************************************	FAC species x 3 =
1 / 100	Δ	. /		
1. Granidamber etypolithia	20		FAC	FACU species x 4 =
2. Her rubeum	10	$\overline{\mathcal{A}}$	TAC	UPL species x 5 =
31			- ,	
1 English Virginiana	10_		LACU	Column Totals: (A) (B)
4. Simplowe tinctoling	10	$\sqrt{}$	CIAC	
				Prevalence Index = B/A =
6 During Chillia			EAC	Hydrophytic Vegetation Indicators:
Villettil ETITATE	>		FIACU	- Parameter
7. Phus cogallina	7	****	- 4-11-1-1	1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
8.				(frame)
	7.0			3 - Prevalence Index is ≤3.01
20	, 42	= Total Co	ver 10	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 32	🖒 20% oi	total cove	r: 10	(Expirit)
Herb Stratum (Plot size:				
1 84 000	12		y	¹ Indicators of hydric soil and wetland hydrology must
1. Pteridium aquillinno	15_	<u>~/</u>	EHO	be present, unless disturbed or problematic.
2. Janioun ansects	25	./	AIT	
3. Legge diera capitata	13		· - X -	Definitions of Four Vegetation Strata:
The water Caf 17 GM 9	10_			Troo Woody plants avaluation views 0; (T.O.)
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5.			* *************************************	hole in diameter at preast neight (DBH), regardless of
5.				height.
6				Conline/Church Wands whenter and the control
7		-		Sapling/Shrub - Woody plants, excluding vines, less
8				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Houle All books are an a fact that the
9				Herb - All herbaceous (non-woody) plants, regardless
10		***************************************		of size, and woody plants less than 3.28 ft tall.
10	******			Monday due Allerander de la
11.				Woody vine - All woody vines greater than 3.28 ft in
12,			***************************************	height,
	50	= Total Co	Ver	
500/ of total			1 -0	
50% of total gover:	20% of	total cover	r: <u>/_/</u>	
Woody Vine Stratum (Plot size: 20 1)				
1. Somelar love los confestions	2	/	VOIAZ: 1	
of the state of th			CKYW	
2. Vitil cottonallia	_5	12	FA7	
3. Smilar reter d'Oute		**************************************	15/1/2	
(C.)				
4. Gelseminh sympervinos	_5		1-14C	
5			a cha considera girani il 1900 il 1900	
	7.7			Hydrophytic \ /
	41)	= Total Co	ver į	Vegetation
50% of total cover:	20% of	total cover	4	Present? Yes No
Remarks: (If observed, list morphological adaptations belo		TOTAL COVE	'· 	· · · · · · · · · · · · · · · · · · ·
the viscous and the morphological adaptations belo	w).			
1				

WEM	H0086	
	-	XA

SOIL					.	. /
Profile Description: (D	escribe to the dept	h needed to document the in	dicator or confirm	the change of	Sampling Point:	
	Manix	Redox Features	alcator of commi	me absence of	indicators.)	
(inches) Color (i	The same of the sa	Color (moist) %	Type ¹ Loc ²	Texture	Remarks	
G-THIPYR	<u> 3fi</u>			zano, l	oran .	***************************************
7-9-104R	413				DAN	
1-165 104R	5/3	104R5/4 2			27111	,
	***************************************			JCL-	***************************************	
					···	
			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

1						
Type: C=Concentration	1, D=Depletion, RM=	Reduced Matrix, MS=Masked S	and Grains.	² Location: PI	=Pore Lining, M=Matrix.	
Histosol (A1)	(Applicable to all L	RRs, unless otherwise noted	.)	Indicators for	Problematic Hydric Sc	ils³:
Histic Epipedon (A2	1	Polyvalue Below Surface	(S8) (LRR S, T, U)	1 cm Muc	k (A9) (LRR O)	
Black Histic (A3)	,	Thin Dark Surface (S9) (I Loamy Mucky Mineral (F	LRR S, T, U)	2 cm Muc	k (A10) (LRR S)	
Hydrogen Sulfide (A	4)	Loamy Gleyed Matrix (F2	1) (LRR 0)	Reduced	Vertic (F18) (outside ML	RA 150A,B)
Stratified Layers (A5)	5)	Depleted Matrix (F3)		Anomalou	Floodplain Soils (F19) (L s Bright Loamy Soils (F2	.RR P, S, T)
Organic Bodies (A6) 5 cm Mucky Mineral	(LRRP, T, U)	Redox Dark Surface (F6)		(MLRA		0)
Muck Presence (A8)	(A/) (LRR P, 1, 0) (LRR U)	Depleted Dark Surface (F Redox Depressions (F8)	7)	Red Parer	nt Material (TF2)	
1 cm Muck (A9) (LR	RP, T)	Mari (F10) (LRR U)	B 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Very Shall	ow Dark Surface (TF12)	
Depleted Below Dar	k Surface (A11)	Depleted Ochric (F11) (IV	ILRA 151)	Other (Exp	olain in Remarks)	
Thick Dark Surface	(A12) : (A16) (IVLRA 150A)		(F12) (LRR O. P. T) ³ Indicato	rs of hydrophytic vegetat	ion and
Sandy Mucky Minera	(A10) (WLRA 150A) al (S1) (LRR O. S)	(1 10) (Int	RR P, Τ, ὑ)	wetland	d hydrology must be pres	ent,
Sandy Gleyed Matrix	x (S4)	Delta Ochric (F17) (MLR, Reduced Vertic (F18) (MI	A 151) BA 460A 460B\	unless	disturbed or problematic	•
Sandy Redox (S5)		Piedmont Floodplain Soil	s (F19) (MLRA 149	A)		
Stripped Matrix (S6) Dark Surface (S7) (L		Anomalous Bright Loamy	Soils (F20) (MLRA	, . 149A, 153C, 15	3D)	
Restrictive Layer (if obs	served):					
Type:	,					
Depth (inches):		**************************************				\vee
Remarks:			j	Hydric Soll Pre	sent? Yes	No <u>~~</u>
		N A	1			ا ۸
		$\mathcal{N}_{\mathcal{O}}$	Rydon	15	ill NAO	1 ON WH
			7		Sie	9-6CX
					,	

wcmh008_u



Upland data point wcmh008_u facing east



Upland data point wcmh008_u facing south

wcmh008 soils



Wetland/upland soils

WETLAND DETERMINATION DATA	FORM – Atlantic and Gulf Coastal Plain Region
Project/Site:	City/County: Curvery Sampling Date: 9-19-14
Applicant/Owner: Dominicon	State: No Sampling Point: OCM 140
Investigator(s): DUEST	Section, Township, Range:
Landform (hillslope, terrace, etc.):	local relief (concave convex none): (CTM (AGE + D) Clare (CV) (CTM)
Subregion (LRR or MLRA): Lat: 34°	51'41.170 Long: 78'54'33.339' Datum: WES
Soil Map Unit Name: Lynnh wen	
Are climatic / hydrologic conditions on the site typical for this time of year	NWI classification: 135
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Remarks: Remarks:	Is the Sampled Area within a Wetland? Yes No
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) (C7) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2)
Field Observations:	and aprilation (20) (Error)
Surface Water Present? Yes No Depth (inches	
Water Table Present? Yes No Depth (inches Saturation Present?	
(includes capillary fringe)	properties of the second secon
Describe Recorded Data (stream gauge, monitoring well, aerial photo	os, previous inspections), if available:
Remarks:	
Agebrole	gy present

WCMHOOSS -W

VEGETATION (Four Strata) - Use scientific names of plants. Sampling Point: Absolute Dominant Indicator Tree Stratum (Plot size: Dominance Test worksheet: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Total % Cover of: OBL species _____ ×1=____ = Total Cover 50% of total cover: FACW species ×2=____ 20% of total cover: Sapling/Shrub Stratum (Plot size: FAC species ____ x3=____ FACU species ___ ____ ×4≔ UPL species _____ ×5= ____ Column Totals: ____ (A) ____ (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2- Dominance Test is >50% 3 - Prevalence Index is ≤3.01 = Total Cover Problematic Hydrophytic Vegetation¹ (Explain) 50% of total cover: 20% of total cover Herb Stratum (Plot size: ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. MEV 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 MACN of size, and woody plants less than 3.28 ft tall. Woody vine - All woody vines greater than 3.28 ft in 11. height. 12. = Total Cover 50% of total cover: 5 2 Woody Vine Stratum (Plot size Hydrophytic Vegetation _ = Total Cover Present? 50% of total cover: ___ ___ 20% of total cover: Remarks: (If observed, list morphological adaptations below).

WCMHOD85 -W

SOIL

Profile Description: (Describe to the depth n		Sampling Point:
	eeded to document the indicator or confirm	the absence of indicators.)
(inches) Calaria	Redox Features	,
0-16 104R2/1	Color (moist) % Type ¹ Loc ²	<u>Texture</u> Remarks
<u> </u>		longerand > 70% contex
16-20-104K 211		
		When som
No second contract of the second contract of		<u> </u>
		The state of the s
Type: C=Concentration, D=Depletion, RM=Red	Juced Matrix MC-M-1-10	
Hydric Soil Indicators: (Applicable to all LRR	Is unless otherwise nated.	² Location: PL=Pore Lining, M=Matrix,
Histosol (A1)		Indicators for Problematic Hydric Solls ³ :
Histic Epipedon (A2)	Polyvalue Below Surface (S8) (LRR S, T, U	
Black Histic (A3)	Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) (LRR 0) Loamy Gleyed Matrix (F2)	Reduced Vertic (F18) (outside MLRA 150A,B)
Stratified Layers (A5)	Depleted Matrix (F3)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Organic Bodies (A6) (LRR P. T. U)	Redox Dark Surface (F6)	LJ Anomalous Bright Loamy Soils (F20)
5 cm Mucky Mineral (A7) (LRR P. T. U)	Depleted Dark Surface (F7)	(MLRA 153B)
Muck Presence (A8) (LRR U)	Redox Depressions (F8)	Red Parent Material (TF2)
1 cm Muck (A9) (LRR P, T)	Marl (F10) (LRR U)	Very Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Depleted Ochric (F11) (MLRA 151)	Other (Explain in Remarks)
Thick Dark Surface (A12)	Iron-Manganese Masses (F12) (LRR O, P,	r) ³ Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (WLRA 150A)	Umbric Surface (F13) (LRR P. T. U)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 150A, 150B)	
Sandy Redox (S5) Stripped Matrix (S6)	Piedmont Floodplain Soils (F19) (MLRA 149)A)
Dark Surface (S7) (LRR P, S, T, U)	Anomalous Bright Loamy Soils (F20) (MLRA	149A, 153C, 153D)
Restrictive Layer (If observed):		, , , , , ,
Type:		
TVDe:	1	
		۸ /
Depth (inches):		Hydric Soil Present? Voc
		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):	<u> </u>	Hydric Soil Present? Yes No
Depth (inches):	Audnes	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Ayelnc s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Hydra s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Ayenc s	Hydric Soil Present? Yes No
Depth (inches):	Ayenc s	Hydric Soil Present? Yes No
Depth (inches):	Ayenc s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Ayenc s	Hydric Soil Present? Yes No
Depth (inches):	Ayenc s	Hydric Soil Present? Yes No
Depth (inches):	Ayenc s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No
Depth (inches):	Aydra s	Hydric Soil Present? Yes No

wcmh008s_w



Wetland data point wcmh008s_w facing east



Wetland data point wcmh008s_w facing south

wcmh008 soils



Wetland/upland soils