

Wetland data point wsuo029f\_w facing west.



Wetland data point wsuo029f\_w facing east.

Project/Site: City/County:	Suffolk Sampling Date: 3-8-16
Applicant/Owner: Dominion	State: VA Sampling Point: wsuo 1779_U
AND AND THE STATE OF THE STATE	
Investigator(s): L. Roper, W. Vauenaa Section, Tov	Alstip, Range. TV Brief
Landform (hillslope, terrace, etc.): h:\\s\ope  \text{Local relief (}	concave, convex, none): (OAVEX Slope (%).
Subregion (LRR or MLRA): LRRT Lat: 36.79702636	
Soil Map Unit Name: Nansemand loany fine Sand 15-30%	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic?	
SUMMARY OF FINDINGS – Attach site map showing sampling	point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the	Samulad Assa
Hydric Sail Property	e Sampled Area n a Wetland? Yes No/_
Wetland Hydrology Present? Yes No	n a wetland r res No
Remarks:	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)  Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10)
High Water Table (A2) Saturation (A3)  High Water Table (A2) Hydrogen Sulfide Odor (C1)	Moss Trim Lines (B16)
Water Marks (B1)  Saturation (A3)  Water Marks (B1)  Oxidized Rhizospheres along L	2년 11년 12월 12일
Sediment Deposits (B2)  Presence of Reduced Iron (C4)	있다는 도시의 B. 2. To 11 2. P. T.
☐ Drift Deposits (B3) ☐ Recent Iron Reduction in Tilled	가게 있어요? 이렇게 있다면 하다 있는데 중에 들어들는 전투에 가득점에서 어린 사람들이 되었다면 하다면 보다는데 보다는데 보다는데 보다는데 보다는데 보다는데 보다는데 보다는데
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Other (Explain in Remarks)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
☐ Water-Stained Leaves (B9)	☐ Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No X Depth (inches): NA	
Water Table Present?       Yes No _★ Depth (inches): _>2.0         Saturation Present?       Yes No _★ Depth (inches): _>2.0	Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	nspections), if available:
Remarks:	

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

Construire entition (1999), Entities of the policy of the entities of the construire	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 x 30 ft)	Wall the second second second second	Species?	The state of the s	
1. Fagus grandifolia	TO A CHICAGO AND THE A SEC AND ASSOCIATION	yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
			The second second second second second	That Ale OBE, FACTY, OF FAC.
2. Ilex opaca				Total Number of Dominant
3. Acer rubrum	15	yes	FAC	Species Across All Strata: (B)
4. Pinus taeda	5	no	FAC	
THE CONTRACTOR FOR THE PROPERTY OF THE PARTY				Percent of Dominant Species That Are OBL, FACW, or FAC: 80% (A/B)
5.		734000000000000000000000000000000000000		That Are OBL, FACW, or FAC: (A/B)
6.	Selection Color			Prevalence Index worksheet:
7.				
8.				Total % Cover of: Multiply by:
	On an other transfer by world by	= Total Cov	lor.	OBL species x 1 =
27	and the beautiful and the beautiful			FACW species x 2 =
50% of total cover: 25	20% of	total cover	10	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30 x 30 ft)				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1. Ilex opaca	20	ves	FAC	FACU species x 4 =
2.				UPL species x 5 =
				Column Totals: (A) (B)
3.			100	
4.				Prevalence Index = B/A =
5.				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7.				2 - Dominance Test is >50%
8.		14. District		3 - Prevalence Index is ≤3.0¹
	20	= Total Cov	/er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: _/6	NAME OF TAXABLE PARTY OF TAXABLE			Problematic Hydrophytic vegetation (explain)
- 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	20% 01	total cover		
Herb Stratum (Plot size: 30 × 30 代)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Mone			A to violate Lands	be present, unless disturbed or problematic.
2.				Definitions of Four Vegetation Strata:
THE PROPERTY OF THE PROPERTY O				
3.	Man english h	FT 1052 17 174		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4.				more in diameter at breast height (DBH), regardless of
5.				height.
6.				Sapling/Shrub - Woody plants, excluding vines, less
TARK TECHNOLOGIC COLORS OF THE PROPERTY OF THE PROPERTY OF THE PARTY O				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7.				
8.				Herb – All herbaceous (non-woody) plants, regardless
9.		10000012		of size, and woody plants less than 3.28 ft tall.
10				ter to the Alleman developer area than 3.29 ft in
TO SECURE A SECURE AND A SECURE OF A SECUR				Woody vine – All woody vines greater than 3.28 ft in height.
11.		- ANTIGOTINE	A STATE OF THE	Height.
12.				
	0	= Total Co	ver	
50% of total cover:	20% of	total cover		
Woody Vine Stratum (Plot size: 30 x 30 ft)			Augusta III	
The state of the s	10		rne	
1. Smilax rotundifolia	_/0_	yes	FAL	
2				
3.				
	III TETEL LETTER TO	STATE OF THE PARTY		
4.				
5				Hydrophytic
	10	= Total Co	ver	Vegetation Present? Yes No
50% of total cover: ご	20% 0	f total cover	. Z	Present? Yes No
· · · · · · · · · · · · · · · · · · ·	and it describes the	total cover		
Remarks: (If observed, list morphological adaptations belo	w).			

Sampling Point: wsu 6 029\_U

th needed to document the indicator or confirm Redox Features	if the absence of indicators.)
Color (moist) % Type¹ Loc²	<u>Texture</u> <u>Remarks</u>
	S
	S
LRRs, unless otherwise noted.)  Polyvalue Below Surface (S8) (LRR S, T, U)  Thin Dark Surface (S9) (LRR S, T, U)  Loamy Mucky Mineral (F1) (LRR O)  Loamy Gleyed Matrix (F2)  Depleted Matrix (F3)  Redox Dark Surface (F6)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Marl (F10) (LRR U)  Depleted Ochric (F11) (MLRA 151)  Iron-Manganese Masses (F12) (LRR O, P	2Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils³:  U)
	Hydric Soil Present? Yes NoX
1	Color (moist) % Type¹ Loc²    I=Reduced Matrix, MS=Masked Sand Grains.     I LRRs, unless otherwise noted.)   Polyvalue Below Surface (S8) (LRR S, T, U)     Loamy Mucky Mineral (F1) (LRR O)     Loamy Gleyed Matrix (F2)     Depleted Matrix (F3)     Redox Dark Surface (F6)     Depleted Dark Surface (F7)     Redox Depressions (F8)     Marl (F10) (LRR U)     Depleted Ochric (F11) (MLRA 151)     Iron-Manganese Masses (F12) (LRR O, F10)     Delta Ochric (F17) (MLRA 151)     Reduced Vertic (F18) (MLRA 150A, 150E     Piedmont Floodplain Soils (F19) (MLRA 151)





Upland data point wsuo029\_u facing east.

Project/Site: ACP City/C	County: Suffolk Sampling Date: 5/4/16
Applicant/Owner: Pominion	State: VA Sampling Point: WSUDD41f_
Investigator(s): L. Roper, J. Benton secti	on Township Range: NONC
Investigator(s).	relief (concave, convex, none): Concave Slope (%): 5-10/.
Landform (nilisiope, terrace, etc.): Of T	361 Long: -76, 59229 Datum: W6584
Soil Map Unit Name: Nansemond loamy fine son	
Are climatic / hydrologic conditions on the site typical for this time of year?	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly 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 san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	La the Complet Area
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	Within a Wedand?
Remarks: Pain within 24 hrs,	
NOWAM: Riverine Swamp Fore	st
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)  High Water Table (A2)  Marl Deposits (B15) (LR	
Saturation (A3) Hydrogen Sulfide Odor (	[1] [1] [1] [2] [2] [3] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
☐ Water Marks (B1) ☐ Oxidized Rhizospheres	
Sediment Deposits (B2)	[18] [18] [18] [18] [18] [18] [18] [18]
Drift Deposits (B3) Recent Iron Reduction in	
Algal Mat or Crust (B4)  Iron Deposits (B5)  Thin Muck Surface (C7)  Other (Explain in Remar	
☐ Iron Deposits (B5) ☐ Other (Explain in Remar	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	NA
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes V No Depth (inches): 5	Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	
4	

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

1. Liquidambar styraciflua 2. Aur rubrum 3. 4	10 Y FAC	Dominance Test worksheet:   Number of Dominant Species
Sapling/Shrub Stratum (Plot size: 30ft x30ft)   Lamia latifolia   2.		FAC species
	TO Y FAL S N 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:  Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  Woody vine – All woody vines greater than 3.28 ft in height.
50% of total cover: 20  Woody Vine Stratum (Plot size: 30ft x 30ft)  1none 2 3 4 5  Remarks: (If observed, list morphological adaptations below	= Total Cover 20% of total cover:	Hydrophytic Vegetation Present?  Yes No

	cription: (Describe	to the depth r	leeded to docul	ment the indi	cator o	confirm	the absence of inc	dicators.)	
Depth	Matrix			x Features		. 2	T	Remarks	
(inches)	Color (moist)		Color (moist)	1	ype	Loc²	Texture	Remarks	
0-18	2.544/1		54K4/6	15	<u> </u>	M			
18-20	2.5 44/1	90 7	51R4/6	10_	<u>L</u>	<u>M</u>	LS_		
						_			
							21 anation: Dist	Dasa Lining MaMatrix	
Type: C=C	oncentration, D=Dep Indicators: (Applic	oletion, RM=Re	Re unless othe	S=Masked Sa	and Grai	ns.		Pore Lining, M=Matrix. Problematic Hydric Soils	<sup>3</sup> :
		able to all Liv		elow Surface		RSTI		(A9) (LRR O)	
Histoso Histos	pipedon (A2)			urface (S9) (L				(A10) (LRR S)	
	listic (A3)			ky Mineral (F1				ertic (F18) (outside MLR	A 150A,B
	en Sulfide (A4)			ed Matrix (F2)		•		loodplain Soils (F19) (LR	
	d Layers (A5)		Depleted Ma					Bright Loamy Soils (F20)	
	Bodies (A6) (LRR P	, T, U)		Surface (F6)			(MLRA 1		
3 cm M	ucky Mineral (A7) (LI	RR P, T, U)	The state of the s	rk Surface (F	7)			Material (TF2)	
	resence (A8) (LRR L	١)		essions (F8)				w Dark Surface (TF12)	
	uck (A9) (LRR P, T)	4440	Marl (F10) (		I DA 4E	43	U Other (Expl	ain in Remarks)	
	ed Below Dark Surface	ce (A11)		chric (F11) (M nese Masses			T) 3Indicators	of hydrophytic vegetatio	n and
	ark Surface (A12) Prairie Redox (A16) (	MI DA 150A)		ace (F13) (LF				hydrology must be prese	
	Mucky Mineral (S1) (			(F17) (MLR		٠,		isturbed or problematic.	
	Gleyed Matrix (S4)	2.1111 0, 0,		ertic (F18) (MI		A, 150B)			
	Redox (S5)			loodplain Soil					
	d Matrix (S6)		Anomalous	Bright Loamy	Soils (F	20) (MLR	A 149A, 153C, 153	ID)	
Dark S	urface (S7) (LRR P,								
Restrictive	Layer (if observed)	):						/	
Туре:			_						
Depth (in	nches):						Hydric Soil Pres	sent? Yes/_ N	o
Remarks:									



Wetland data point wsuo041f\_w facing north.



Wetland data point wsuo041f\_w facing south.

Project/Site: ACP	City/County: Suffolk Sampling Date: 5/4/16
Applicant/Owner: Pominion	State: VA Sampling Point: W500916-4
Investigator(s): L. Roper, J. Benton	Section, Township, Range: _none
Landform (hillslope terrace etc.): drain and	Local relief (concave, convex, none): Concave Slope (%): 5-10
Subsection (LDD as MLDA), L-L-R-T U Lat. 34.	17333 Long: -76.597.59 Datum: WAS84
Subjection (ERR of MERA).	e sand NWI classification: PEM
Soil Map Unit Name: Non Semone (1807)	NVI classification.
Are climatic / hydrologic conditions on the site typical for this time of ye	
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrology naturally pr	
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic ∇egetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? YesNo	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	***************************************
Remarks: Rain within 24hrs.	
maintained easement	
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)	3) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B1)	
Saturation (A3)	
	neres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)  Presence of Redu	ced Iron (C4)
☐ Drift Deposits (B3) ☐ Recent Iron Reduction ☐ 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)
Field Observations:	410
Surface Water Present? Yes No Depth (inches	i): N T
Water Table Present? Yes No Depth (inches	P. Committee of the com
Saturation Present? Yes No Depth (inches (includes capillary fringe)	s): Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	
	¥
*	

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

12.0.13	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ff x30ff)	% Cover	Species?	Status	Number of Dominant Species
1. hone				That Are OBL, FACW, or FAC: (A)
2.				T-t-181 t f Dint
3.				Total Number of Dominant Species Across All Strata: (B)
4				100
1				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8				OBL species x 1 =
V 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		= Total Cov		FACW species x 2 =
50% of total cover:	20% of	total cover	:	FAC species x3 =
Sapling/Shrub Stratum (Plot size: 30ff x 30ft)				
1. none				FACU species x 4 =
2				UPL species x 5 =
3.	Spenier and School and			Column Totals: (A) (B)
4.				Prevalence Index = B/A =
5				
				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
B		T.1.10		3 - Prevalence Index is ≤3.01
		= Total Cov		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	20% of	total cover		
Herb Stratum (Plot size: 30ft x 30ft)	1	V	1.01	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Mirrostegium vimineum	60		FAL	be present, unless disturbed or problematic.
2. Sagitatia Sp.	5	N	OBL	Definitions of Four Vegetation Strata:
3. Chasmanthium laxum	10	N	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Juneus effusus	5	N	OBL	more in diameter at breast height (DBH), regardless of
5.	V 232			height.
6				Sapling/Shrub - Woody plants, excluding vines, less
7.				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
				ti i alli
8				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9				
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12	04			
110		= Total Cov		
50% of total cover: 40	20% of	total cover	: 16	
Woody Vine Stratum (Plot size: 30ff x 30ff)				
1. none				
2				
3.				
4				
5.				Undespladie
0	$\overline{}$	= Total Co	105	Hydrophytic Vegetation
				Present? Yes No
50% of total cover:		total cover	·	
Remarks: (If observed, list morphological adaptations belo	w).			

Profile Desc	ription: (Describe t	to the dept	h needed to docum	nent the ir	ndicator	or confirm	the absence of in	idicators.)
Depth	Matrix		Redo	x Features				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc2	<u>Texture</u>	Remarks
0-6	2.543/1	80.	7.5 YR4/6	20	<u></u>	<u>M</u>	5L	
6-16	2.545/3	75	7.57R518	25		M	LS_	
16-20	2.545/3	100					5	
10								
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	S=Masked	Sand Gr	ains.		Problematic Hydric Soils <sup>3</sup> :
	Indicators: (Applic	able to all						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Histosol			Polyvalue Be				, —	(A9) (LRR O) (A10) (LRR S)
Transaction of the last of the	oipedon (A2) stic (A3)		Loamy Muck					/ertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleye			,		Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)		Depleted Ma				-	s Bright Loamy Soils (F20)
	Bodies (A6) (LRR P		Redox Dark				C (MLRA	
	ucky Mineral (A7) (LF							nt Material (TF2) ow Dark Surface (TF12)
	resence (A8) (LRR U uck (A9) (LRR P, T)	)	Redox Depre		5)			plain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted Oc		(MLRA 1	51)		,
	ark Surface (A12)	, , ,	☐ Iron-Mangar		•			rs of hydrophytic vegetation and
	rairie Redox (A16) (I							d hydrology must be present,
	Aucky Mineral (S1) (I	LRR O, S)	Delta Ochric					disturbed or problematic.
	Gleyed Matrix (S4)		Reduced Ve					
	Redox (S5) d Matrix (S6)						A 149A, 153C, 15	(3D)
	rface (S7) (LRR P, S	S, T, U)					7.0-20-20	
	Layer (if observed)							
Type:								
Depth (in	ches):						Hydric Soil Pr	esent? Yes No
Remarks:	000 () ()			7				
								41



Wetland data point wsuo041e\_w facing southwest.



Wetland data point wsuo041e\_w facing northeast.

Project/Site: A CP City/C	County: Suffolk Sampling Date: 5/4/16
Applicant/Owner: Dominion	State: VA Sampling Point: 2540041-4
Investigator(s): L. Roper, J. Benton Section	on, Township, Range:
Landform (hillslope, terrace, etc.): drainage Local	relief (concave, convex, none): Unlave Slope (%): 5-10
Subregion (LRR or MLRA): LRR T 0 Lat: 36.7931	63 Long: -76. 59217 Datum: W6589
Soil Map Unit Name: Nansemond loamy fine	sand NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year? Y	'es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Yes No  Hydric Soil Present?  Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks: Rain within 24 hrs.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  High Water Table (A2)  High Water Table (A2)	
Saturation (A3)  Water Marks (B1)  Hydrogen Sulfide Odor (C)  Oxidized Rhizospheres a	
☐ Water Marks (B1) ☐ Oxidized Rhizospheres a ☐ Sediment Deposits (B2) ☐ Presence of Reduced Iro	
Drift Deposits (B3)  Recent Iron Reduction in	
Algal Mat or Crust (B4)  Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remark	ks) 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:	AM
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, pre	evious inspections), if available:
Remarks:	

2-61 3061	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ff x30ff)	% Cover	Species?		Number of Dominant Species
1. Fagus grandifolia	30		FACU	That Are OBL, FACW, or FAC: (A)
2. Ilex opaca	ID	<u> </u>	FAC	Total Number of Dominant
3. Her rubrum	ID	1	FAC	Species Across All Strata: (B)
4				
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: (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 =
		= Total Cov		FACW species x 2 =
50% of total cover: 25	20% of	total cover	10	
Sapling/Shrub Stratum (Plot size: 30ff x30ff)				FAC species x 3 =
1 Kalmia latitolia	10	Y	FACU	FACU species x 4 =
2. Alex rubrum	10	У	FAL	UPL species x 5 =
				Column Totals: (A) (B)
3				The second secon
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8		2) 20 30 45 42 10 34	211111111111111111111111111111111111111	3 - Prevalence Index is ≤3.0¹
	20	= Total Cov	er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:				Problematic Hydrophytic Vegetation (Explain)
	20% 01	total cover		
Herb Stratum (Plot size: 30ft x 30ft)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. none				be present, unless disturbed or problematic.
2				Definitions of Four Vegetation Strata:
3				Tors Month plants evaluding vines 3 in /7.6 cm) or
4.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
				height.
5				
6				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb - All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10.				Woody vine – All woody vines greater than 3.28 ft in
11				height.
				noight.
12.				
		= Total Cov		
50% of total cover:	20% of	total cover		
Woody Vine Stratum (Plot size: 30ft x 30ft)				
1. none				
2.				
		-		
3				
4				
5				Hydrophytic
		= Total Cov	/er	Vegetation Present? Yes V No
50% of total cover:	20% of	total cover	:	Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
Remarks: (ii observed, list morphological adaptations belo	w).			

JOIL	ription: (Describe t	- 41 41-		namé éba la	adicator or o	antiom &	he absence of	indicators	1	
Profile Desc	ription: (Describe t	o the depth				onnirm t	ne absence of	mulcators	••)	
Depth	Matrix			x Features		oc²	Texture		Remarks	
(inches)	Color (moist)	%	Color (moist)	%	Type Lo	<u> </u>	rexture		Remains	
0-4	2.54313	100								
4-20	104846	100					L5			
						-				
1=	oncentration, D=Depl	ation DM-E	Paducad Matrix M	S-Mackad	Sand Graine		<sup>2</sup> Location: P	I =Pore I in	ing M=Matri	Y
Type: C=C	Indicators: (Applica	blo to all l	PDe unless other	wiee note	od \		Indicators fo			
- 5		able to all L				C T !!\		ck (A9) (LR		
Histosol					ce (S8) (LRR					
	pipedon (A2)				(LRR S, T, U			ck (A10) (L		# DA 450A D)
	istic (A3)				(F1) (LRR O)					MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleye		F2)					(LRR P, S, T)
	d Layers (A5)		Depleted Ma						oamy Soils (	F20)
	Bodies (A6) (LRR P,		Redox Dark					153B)	L CTEON	
	ucky Mineral (A7) (LR		Depleted Da					ent Materia		0.
	resence (A8) (LRR U)	)	Redox Depre		B)				Surface (TF1	2)
	uck (A9) (LRR P, T)		Marl (F10) (L				Other (E	xplain in Re	emarks)	
	d Below Dark Surface	e (A11)			(MLRA 151)		. 1			
	ark Surface (A12)		-		es (F12) (LRF				ophytic vege	
	rairie Redox (A16) (N				LRR P, T, U)				y must be p	
	Mucky Mineral (S1) (L	.RR O, S)	Delta Ochric				unles	s disturbed	or problema	itic.
☐ Sandy C	Gleyed Matrix (S4)				MLRA 150A,					
Sandy F	Redox (S5)				oils (F19) (ML					
	Matrix (S6)		Anomalous	3-1-1-1 1						
Stripped	matrix (00)		Anomalous i	Bright Loar	my Soils (F20	) (MLRA	149A, 153C,	153D)		
	rface (S7) (LRR P, S	i, T, U)	Anomalous	Bright Loar	my Soils (F20	) (MLRA	149A, 153C,	153D)		
☐ Dark Su			Alonalous I	Sright Loar	my Soils (F20	) (MLRA	149A, 153C,	153D)		
Dark Su Restrictive	uface (S7) (LRR P, S Layer (if observed):		Anomaious i	aright Loar	my Soils (F20	) (MLRA	149A, 153C,	153D)		
Dark Su Restrictive Type:	urface (S7) (LRR P, S Layer (if observed):		Allomaious i	Bright Loar	my Soils (F20	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	uface (S7) (LRR P, S Layer (if observed):			Bright Loar	my Soils (F20	) (MLRA	149A, 153C, Hydric Soil F		Yes	No
Dark Su Restrictive Type:	urface (S7) (LRR P, S Layer (if observed):			Bright Loan	my Solls (F20	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			Bright Loan	my Solls (F20	) (MLRA			Yes	No
Dark Su Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			Bright Loan	my Solls (F20	) (MLRA			Yes	No
Dark Su Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			Bright Loan	my Solls (F20	) (MLRA			Yes	No
Dark Su Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loar	my Solls (F20	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			Bright Loan	my Solls (F20	) (MLR#			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loar	my Solls (F20)	) (MLR#			Yes	No
Dark Su Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loar	my Solls (F20)	) (MLR#			Yes	No
Dark Su Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20	) (MLRA			Yes	No
Dark Su Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loar	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loar	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):		Alomaious i	aright Loar	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):		Alomaious i	aright Loan	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):		Alomaious i	aright Loan	my Solls (F20	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):		Alomaious i	aright Loan	my Solls (F20	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20)	) (MLRA			Yes	No
Dark Sur Restrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed):			aright Loan	my Solls (F20)	) (MLRA			Yes	No



Upland data point wsuo041\_u facing north.



Upland data point wsuo041\_u facing south.

Applicant/Owner: Dominion Investigator(s): Li Roper, J. Benton Landform (hillslope, terrace, etc.): drainage Subregion (LRR or MLRA): LRR T Lat: 36. Soil Map Unit Name: Nansemond loany fine Are climatic / hydrologic conditions on the site typical for this time of y Are Vegetation, Soil, or Hydrology significant! Are Vegetation, Soil, or Hydrology naturally p	Local relief (concave, convex, none): (ONCAVE Slope (%): 7-15  .79280 Long: -76.58817 Datum: W6584  PFO  Vear? Yes No (If no, explain in Remarks.)  Ly disturbed? Are "Normal Circumstances" present? Yes No
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?  Remarks:  Rain w/in 24 hrs,  NCWAM Bottomland Hardwork	Is the Sampled Area within a Wetland? Yes No
Sediment Deposits (B2)	Sparsely Vegetated Concave Surface (B8)  Drainage Patterns (B10)  Moss Trim Lines (B16)  Dry-Season Water Table (C2)  Uction in Tilled Soils (C6)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Geomorphic Position (D2)
Field Observations:  Surface Water Present? Yes No Depth (inche Water Table Present? Yes No Depth (inche Saturation Present? Yes No Depth (inche (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial pho Remarks:	Ses): 10 Wetland Hydrology Present? Yes No

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30++ x 30++)	% Cover	Species?	Status	
1. Acer rubrum	15		FAC	That Are OBL, FACW, or FAC: (A)
2. Liquidambar Styraciflya	15	Y	FAC	
3. Ilex opaca	15	У	FAC	Total Number of Dominant Species Across All Strata:  (B)
				Species Across Air Strata.
4				Percent of Dominant Species That Are OBL, FACW, or FAC:
5				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				
8				Total % Cover of: Multiply by:
	45	= Total Co	ver	OBL species x 1 =
50% of total cover: 22.	5 20% 0	total cover	9	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 H x 30 H)	20700	total cover		FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 3014 x 3011)		\ V	FACU	FACU species x 4 =
1. Kalma latifolia	10	1		UPL species x 5 =
2. Ilex spaca			FAC	Column Totals: (A) (B)
3. Acer tubrum	5	У	FAC	Coldilli Totals: (7) (9)
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1 Rapid Test for Hydrophytic Vegetation
7	-			2 - Dominance Test is >50%
8	75	T		3 - Prevalence Index is ≤3.0¹
17	5	= Total Co	ver _	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 12.	20% 0	total cover		
Herb Stratum (Plot size: 30ft x 30ft)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Woodwardia areolata	15	<u> </u>	OBL	be present, unless disturbed or problematic.
1. Woodwardia areolata 2. Junius effusus	5	N	OBL	Definitions of Four Vegetation Strata:
3. Saururus cernuus	30	Y	OBL	
		5-02-04		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
4.				height.
5				1 10 200
6				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb - All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11.				height.
12	-			no-gra-
12.	60	= Total Co		
75				
50% of total cover: <u>75</u>	20% 0	f total cove	10	
Woody Vine Stratum (Plot size: 30 ft x 30ft)	5		=4.	
1. Smilax rotadfolia	2	1	FAC	
2		2012 12 10 10 10 10 10 10		
3.				
4				
F				
0,	5			Hydrophytic
7 6		= Total Co		Vegetation Present? Yes No
50% of total cover: 2 .5	20% 0	f total cove	r:	17050111
Remarks: (If observed, list morphological adaptations belo	w).			
I and the second				Participation of the control of the

Profile Des	cription: (Describe	to the de	pth needed to docu	ment the i	ndicator o	r confirm	n the absence of	indicators.)
Depth	Matrix		Red	ox Features		12	Tarture	Remarks
(inches)	Color (moist)	80	TSYR4/L	%	Type'	Loc²	Texture	Remarks
0-16	2,543/2	80	4.541.16	20		Μ		
16-20	104R 6/6	100					LS	
¹Type: C=C	Concentration, D=De	pletion, RM	1=Reduced Matrix, M	IS=Masked	Sand Grai	ins.		L=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Appli	cable to al	I LRRs, unless other	erwise not	ed.)		Indicators fo	or Problematic Hydric Soils <sup>3</sup> :
☐ Histoso			☐ Polyvalue B			RRS, T, U	U) 🔲 1 cm Mu	ck (A9) (LRR O)
	pipedon (A2)		Thin Dark S				2 cm Mu	ck (A10) (LRR S)
	fistic (A3)		Loamy Muc					Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley	ed Matrix (	F2)			t Floodplain Soils (F19) (LRR P, S, T)
	ed Layers (A5)		Depleted M					ous Bright Loamy Soils (F20)
	c Bodies (A6) (LRR		Redox Dark					A 153B)
	lucky Mineral (A7) (L				*			ent Material (TF2)
	resence (A8) (LRR		Redox Dep		8)			allow Dark Surface (TF12) xplain in Remarks)
	luck (A9) (LRR P, T)		Marl (F10) ( Depleted O		(MI DA 45	1)	Uther (E	apiani in Kemarks)
	ed Below Dark Surfa	ce (A11)	Iron-Manga				T) <sup>3</sup> Indicat	tors of hydrophytic vegetation and
	Dark Surface (A12) Prairie Redox (A16)	MI PA 150	and the same of th					nd hydrology must be present,
Towns .	Mucky Mineral (S1)					٥,		s disturbed or problematic.
	Gleyed Matrix (S4)	(Little O, O,	Reduced V			A, 150B		
The state of the s	Redox (S5)		Piedmont F					
	ed Matrix (S6)						RA 149A, 153C,	153D)
	urface (S7) (LRR P,	S, T, U)						
Restrictive	Layer (if observed	):						
Type:	and the second second	1						
Depth (i	nches):						Hydric Soil P	Present? Yes X No
Remarks:								



Wetland data point wsuo042f\_w facing north.



Wetland data point wsuo042f\_w facing south.

Project/Site: ACP	city/County: 50	offolk	Sampling Date: 5/4/16
Applicant/Owner: Dominibn		State: V 14	Sampling Point: WSuo 0 12-4
Investigator(s): Likoper, J. Benton s	Section, Township	Range: none	
Landform (hillslope, terrace, etc.): hillslope L	ocal relief (concar	re, convex, none): CDM	Vex Slope (%): 5-15
Subregion (LRR or MLRA): LRR T Lat: 36,7°	9272	Long: - 16.588	Datum: W(rS)
Soil Map Unit Name: Nansemond loamy fi	ne sano	NWI classific	cation: NA
Are climatic / hydrologic conditions on the site typical for this time of year	2 Vac . / N	lo (If no explain in R	Pemarks )
Are Vegetation, Soil, or Hydrology significantly d	figure and 2	Ara "Normal Circumstances"	present? Yes No
Are Vegetation, Soil, or Hydrology significantly d	Isturbeu? ?	If needed, explain any answe	ore in Remarks )
Are Vegetation, Soil, or Hydrology naturally prob			
SUMMARY OF FINDINGS – Attach site map showing	sampling poir	nt locations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Samp	oled Area	
Hydric Soil Present? Yes No	within a We	etland? Yes	No
Wetland Hydrology Present? Yes No			
Remarks: Rain within 24 hrs,			
HYDROLOGÝ			
Wetland Hydrology Indicators:			ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)			Gracks (B6) getated Concave Surface (B8)
Surface Water (A1) Aquatic Fauna (B13) High Water Table (A2) Marl Deposits (B15)			attems (B10)
High Water Table (A2)  Saturation (A3)  Hydrogen Sulfide Oct		Moss Trim L	
Water Marks (B1)  Oxidized Rhizosphe	A COLUMN TO THE REAL PROPERTY OF THE PARTY O		Water Table (C2)
Sediment Deposits (B2)		Crayfish Bu	
Drift Deposits (B3)	on in Tilled Soils (		/isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)			Position (D2)
Iron Deposits (B5) Uher (Explain in Re	marks)	☐ Shallow Aqu	
Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)		The state of the s	moss (D8) (LRR T, U)
Field Observations:		<u> </u>	
Surface Water Present? Yes No Depth (inches):	NA		
Water Table Present? Yes No Depth (inches):			
Saturation Present? Yes No Depth (inches):		Wetland Hydrology Prese	nt? Yes No/
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos	s, previous inspec	tions), if available:	
Remarks:			
1 1 1			

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

7.51 70.51		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30FF x 30 FF)		Species?		Number of Dominant Species
1. Ilex opaca		<u> </u>	FAL	That Are OBL, FACW, or FAC: (A)
2. Pinus taeda	15	<u> </u>	FAC	Total Number of Dominant
3. Fagus grandifolia	15	<u> </u>	FACU	Species Across All Strata: (B)
4.				
5.			Charles a pro-contract constant	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6				That Are OBE, FACW, OF FAC.
				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8	LID			OBL species x 1 =
7/		= Total Cov		FACW species x 2 =
50% of total cover: 20	20% of	total cover	0	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30ft × 30ft )		1/		FACU species x 4 =
1. Kalmin latifolia	10	1	FACU	
2. Ilex opara	10	<u> </u>	FAC	UPL species x 5 =
3				Column Totals: (A) (B)
4.				Prevalence Index = B/A =
5.				Hydrophytic Vegetation Indicators:
6				
				1 Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	20	Tatalon		3 - Prevalence Index is ≤3.01
10		= Total Cov		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 10	20% of	total cover		
Herb Stratum (Plot size: 30ff x 30ff)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. none				be present, unless disturbed or problematic.
2.				Definitions of Four Vegetation Strata:
3.				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4.				more in diameter at breast height (DBH), regardless of
5.				height.
6.				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9				of size, and woody plants less than 5.25 it tail.
10.				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12				
	_ 6	= Total Cov	/er	
50% of total cover:	20% of	total cover		
Woody Vine Stratum (Plot size: 30ft x30ft)				
1. Smilax rotundifolia	10	У	FAL	
2.		100		
3				
4.				
5	10			Hydrophytic
5		= Total Cov	~	Vegetation   Present?   Yes No
50% of total cover:	20% of	total cover	:	110001111
Remarks: (If observed, list morphological adaptations belo	w).			

Depth	Matrix			x Features			3		
inches)	Color (moist)	%	Color (moist)	%	Type 1	Loc²	Texture	Remark	(S
0-6	2.5/3/2	100					SL		
6-20	10 YR 5/6	100					SL		
	10 11- 10								
				. ——					
vpa: C=C	oncentration, D=Dep	letion RM=F	educed Matrix MS	S=Masked	Sand Gra	ins.	<sup>2</sup> Location: P	L=Pore Lining, M=M	latrix.
vdric Soil	Indicators: (Applic	able to all L	RRs, unless other	rwise note	ed.)			r Problematic Hyd	
7 Histosol			☐ Polyvalue Be			RR S, T, U	) 1 cm Mu	ck (A9) (LRR O)	
	pipedon (A2)		Thin Dark Su				2 cm Mu	ck (A10) (LRR S)	
	istic (A3)		Loamy Muck	y Mineral	(F1) (LRR	0)	Reduced	Vertic (F18) (outsi	de MLRA 150A,B
Hydroge	en Sulfide (A4)		Loamy Gleye		F2)			t Floodplain Soils (F	
	d Layers (A5)		Depleted Ma		1.			ous Bright Loamy So	ills (F2U)
	Bodies (A6) (LRR P		Redox Dark					A 153B) ent Material (TF2)	
	ucky Mineral (A7) (LI		Depleted Da Redox Depre					allow Dark Surface (	TF12)
	resence (A8) (LRR L uck (A9) (LRR P, T)	''	Mari (F10) (L		-/			xplain in Remarks)	Constitution of the
	d Below Dark Surface	e (A11)	Depleted Oc		(MLRA 1	51)	1		
	ark Surface (A12)	,	☐ Iron-Mangar					tors of hydrophytic v	
	rairie Redox (A16) (	MLRA 150A)				, U)		nd hydrology must b	
	Mucky Mineral (S1) (	LRR O, S)	Delta Ochric					s disturbed or probl	ematic.
	Gleyed Matrix (S4)		Reduced Ve						
Sandy I	Redox (S5)		☐ Piedmont Flo	nodolain S	oils (F19)	(MLKA 14	9A)		
· ·			Anomalous I					153D)	
	d Matrix (S6)	E T 11\	Anomalous I				A 149A, 153C,	153D)	
Dark St	d Matrix (S6) urface (S7) (LRR P,		Anomalous I					153D)	
Dark St	d Matrix (S6) urface (S7) (LRR P, L Layer (if observed)	:						153D)	
Dark St lestrictive Type:	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark St Restrictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, L Layer (if observed)	:					A 149A, 153C,	153D) Present? Yes	No
Dark Stestrictive Type:	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Suestrictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Suestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No_ <u></u>
Dark Suestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No_ <u></u>
Dark Suestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No_ <u></u>
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Suestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Suestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Suestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Suestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No
Dark Stestrictive Type: Depth (in	d Matrix (S6) uface (S7) (LRR P, Layer (if observed)	:					A 149A, 153C,		No



Upland data point wsuo042\_u facing north.



Upland data point wsuo042\_u facing south.

Applicant/Owner: DOMINION Investigator(s): ESI-R. TURNAUL, IS. MULPAVEL Section	on, Township, Range: _ I relief (concave, convex Long:	State: <u>VA</u> Sampling NA , none): <u>COACAVE</u> -76.57729	Date: 10/29/15 Point: WSWPU 15e-W Slope (%): 4-2 Datum: W65 84
Are climatic / hydrologic conditions on the site typical for this time of year?	res No	(If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology significantly distur		al Circumstances" present?	Yes No
Are Vegetation, Soil, or Hydrology naturally problem SUMMARY OF FINDINGS — Attach site map showing same		explain any answers in Rema ons, transects, import	
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sampled Area within a Wetland?	Yes No	
Remarks: COASTAI MONSH			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (minir	num of two required)
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil Cracks (B	6)
Surface Water (A1) Aquatic Fauna (B13)		Sparsely Vegetated Co	
High Water Table (A2)  Marl Deposits (B15) (LR		Drainage Patterns (B10	
Saturation (A3) Hydrogen Sulfide Odor (		Moss Trim Lines (B16)	
Water Marks (B1) Oxidized Rhizospheres a		Dry-Season Water Tab	le (C2)
Sediment Deposits (B2) Presence of Reduced Iro Drift Deposits (B3) Recent Iron Reduction in		Crayfish Burrows (C8) Saturation Visible on A	erial Imageny (CO)
Drift Deposits (B3) Recent Iron Reduction in Algal Mat or Crust (B4) Thin Muck Surface (C7)	Tilled Solls (Co)	Geomorphic Position (I	
Iron Deposits (B5) Other (Explain in Remark	(s)	Shallow Aguitard (D3)	72/
Inundation Visible on Aerial Imagery (B7)		X FAC-Neutral Test (D5)	
Water-Stained Leaves (B9)		Sphagnum moss (D8) (	4. 14. 14. 14. 14. 14. 14. 14. 14. 14. 1
Field Observations:			
Surface Water Present? YesNo Depth (inches): No	4		
Water Table Present? Yes No Depth (inches):			
Saturation Present? Yes No Depth (inches):	Wetland I	Hydrology Present? Yes	No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	wious inspections) if ave	ailable:	
Describe Necorded Data (stream gauge, monitoring well, aerial priotos, pre	vious inspections), ii ava	anable.	
Remarks:			

3-611/2064	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30F4 X 30F4)  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. 3.		Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.		
7		Prevalence Index worksheet:
8.		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
[4] [4] [4] [4] [4] [4] [4] [4] [4] [4]	20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 305+ X 305+)		FAC species x 3 =
1. NONE Present		FACU species x 4 =
The state of the s		UPL species x 5 =
2		Column Totals: (A) (B)
4		Prevalence Index = B/A =
5		Hydrophytic Vegetation Indicators:
6		1 - Rapid Test for Hydrophytic Vegetation
7		2 - Dominance Test is >50%
8		3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover:	20% of total cover:	
Herb Stratum (Plot size: 306+ X306+)	100) Y OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Sporting oldernistora		The state of the s
2. Peltondra virginica		Definitions of Four Vegetation Strata:
3		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4		more in diameter at breast height (DBH), regardless of
5		height.
6		Sapling/Shrub - Woody plants, excluding vines, less
7.		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8,		Herb – All herbaceous (non-woody) plants, regardless
9.		of size, and woody plants less than 3.28 ft tall.
10		
11.		Woody vine – All woody vines greater than 3.28 ft in height.
12.		noight.
12.	110 = Total Cover	
50% of total cover: <u>SS</u>	20% of total cover: 22	
Woody Vine Stratum (Plot size: 3084 × 3084)	20% of total cover.	
woody vine stratum (Plot size: 500 ( X 2004 )		
1. NONE Present		
2		
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	w).	
마다 아마트를 잃어난 하면 하면 하면 하는데 하는데 하면 하면 하면 하면 하는데 하면 있는데 하면 하는데		

Sampling Point:

inches)	Color (moist)	%	Redox Features  Color (moist) % Type Loc²	Texture	Remarks
2-20	2,545/1	100	Cold (moist) % Type Loc		Remarks
A.C.	20,007				
		-			
7.55					
na: C=C	oncentration D=Dec	oletion DM-D	educed Matrix, MS=Masked Sand Grains.	21 agation: DI	=Pore Lining, M=Matrix.
			Rs, unless otherwise noted.)		Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Below Surface (S8) (LRR S, T,		(A9) (LRR O)
	pipedon (A2)		Thin Dark Surface (S9) (LRR S, T, U)		(A10) (LRR S)
	stic (A3)		Loamy Mucky Mineral (F1) (LRR O)		Vertic (F18) (outside MLRA 150A,
Hydroge	n Sulfide (A4)		Loamy Gleyed Matrix (F2)	Piedmont	Floodplain Soils (F19) (LRR P, S,
	d Layers (A5)		Depleted Matrix (F3)	Anomalou	s Bright Loamy Soils (F20)
	Bodies (A6) (LRR F		Redox Dark Surface (F6)	(MLRA	
	icky Mineral (A7) (L		Depleted Dark Surface (F7)		t Material (TF2)
	esence (A8) (LRR L	י) .	Redox Depressions (F8)		ow Dark Surface (TF12)
	ck (A9) (LRR P, T)	n (A11)	Marl (F10) (LRR U)	Other (Exp	olain in Remarks)
	d Below Dark Surfac ark Surface (A12)	e (ATT)	Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, F	P T) <sup>3</sup> Indicator	rs of hydrophytic vegetation and
	rairie Redox (A16) (I	MLRA 150A)	Umbric Surface (F13) (LRR P, T, U)		hydrology must be present,
	lucky Mineral (S1) (		Delta Ochric (F17) (MLRA 151)		disturbed or problematic.
	leyed Matrix (S4)		Reduced Vertic (F18) (MLRA 150A, 150B		
	edox (S5)		Piedmont Floodplain Soils (F19) (MLRA 1		
Stripped	Matrix (S6)		Anomalous Bright Loamy Soils (F20) (ML	RA 149A, 153C, 15	3D)
	face (S7) (LRR P, S				
strictive L	ayer (if observed):				
					1
Туре:					
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
to depth to be seen	ches):		-	Hydric Soll Pre	sent? Yes No No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No
Depth (inc	ches):			Hydric Soll Pre	sent? Yes No



Wetland data point wsup015e\_w facing northeast.



Wetland data point wsup015e\_w facing southeast.

Project/Site: A C P C	City/County: 50880	116	_ Sampling Date: 10/29/15
Applicant/Owner: Dominio	ity/County:	State: VA	_ Sampling Point: WSup 015f.
Investigator(s): EST-R. TWO ball, IS. MURPhiley s	Seeting Township Desc	State:	_ Sampling Point.
investigator(s):	ection, Township, Rang	ge:	124 N-10-7
Landform (hillslope, terrace, etc.): Headwater L	ocal relief (concave, co	invex, none):	Slope (%): 0 - 2
Subregion (LRR or MLRA): LRR T Lat: 36,79		ong: <u>-76.577</u>	
Soil Map Unit Name: NANSEMOND LOANY Fine Sent			
Are climatic / hydrologic conditions on the site typical for this time of year		(If no, explain in	
Are Vegetation, Soil, or Hydrology significantly d	isturbed? Are "N	lormal Circumstances	"present? Yes No
Are Vegetation, Soil, or Hydrology naturally prob	lematic? (If nee	eded, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing s	sampling point lo	cations, transect	ts, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled A	Area	
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	within a Wetland	d? Yes	No
Remarks:			
Nemarks.			
NCWAM: Riverine Swamp Forest			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indi	cators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		The state of the s	oil Cracks (B6)
			egetated Concave Surface (B8)
Surface Water (A1) Aquatic Fauna (B13) High Water Table (A2) Marl Deposits (B15)			Patterns (B10)
Saturation (A3)  Hydrogen Sulfide Od  Hydrogen Sulfide Od			Lines (B16)
H - H - H - H - H - H - H - H - H - H -	es along Living Roots (		n Water Table (C2)
Sediment Deposits (B2) Presence of Reduced			urrows (C8)
Drift Deposits (B3) Recent Iron Reduction	on in Tilled Soils (C6)	Saturation	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface (C	27)	Geomorphi	ic Position (D2)
Iron Deposits (B5) Other (Explain in Rer	marks)	A CONTRACTOR OF THE PARTY OF TH	quitard (D3)
Inundation Visible on Aerial Imagery (B7)		X FAC-Neutr	
Water-Stained Leaves (B9)		Sphagnum	moss (D8) (LRR T, U)
Field Observations:	2/2		
Surface Water Present? YesNo Depth (inches):	ICILI		
Water Table Present? Yes No Depth (inches):	5/45/6000		
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetl.	land Hydrology Prese	ent? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	, previous inspections),	if available:	
Remarks:			

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

Sampling	v	154	00	15	Ew
Sampling	Point:	100			

Tree Stratum (Plot size: 3084 X 3084)	Absolute Dominant Indicator	Dominance Test worksheet:
1. Toxodiam distichum	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2		Total Number of Dominant Species Across All Strata:  (B)
4. 5.		Percent of Dominant Species That Are OBL, FACW, or FAC:  (A/B)
3.		Prevalence Index worksheet:
		Total % Cover of: Multiply by:
. <u>an and a second a se</u>		OBL species x 1 =
	20 = Total Cover	FACW species x 2 =
	20% of total cover:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 3054 X 3084)	IS V EN	FACU species x 4 =
Acev rybrum	15 Y FAC	UPL species x 5 =
Ligustrum sinense	13 Y FAC	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
	40 = Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	20 20% of total cover: 8	
erb Stratum (Plot size: 3084 X3084)	5 Y FACK	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		Definitions of Four Vegetation Strata:
		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
		Herb – All herbaceous (non-woody) plants, regardless
		of size, and woody plants less than 3.28 ft tall.
0 1		Woody vine – All woody vines greater than 3.28 ft in height.
2.		
	= Total Cover	
50% of total cover:	20% of total cover:	
Voody Vine Stratum (Plot size: 2054 X 3054)	10 1/ -10	
Smilax retendifulia	- 10 X FAC	
Vitis rotundifolia	S TY FAC	
		Hydrophytic
	Total Cover	Vegetation Present? Yes No
50% of total cover:	.5 20% of total cover:	Tresent Tes
Remarks: (If observed, list morphological adaptations	below).	

Sampling Point: WSup 0157-0

Depth	Matrix		needed to document the Indicator Redox Features			
(inches)	Color (moist)		Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup> Te	xture	Remarks
7-0	109K2/1	100		4	5	
8-20	2.31/5/1	100		1	5	
	,					
DESIGNATION OF THE PERSON OF T						
Type: C=C	oncentration D=De	pletion RM=Re	duced Matrix, MS=Masked Sand Gr	nine 21	ocation: PI =Por	e Lining, M=Matrix.
			Rs, unless otherwise noted.)			plematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Below Surface (S8) (I		1 cm Muck (A9	
	pipedon (A2)		Thin Dark Surface (S9) (LRR S,		2 cm Muck (A1	하나, 요즘 아니라 하는데 되었다. 이 사람이 없는데 보고 있는데 하는데 모든데 모든데 모든데 없다.
	stic (A3)		Loamy Mucky Mineral (F1) (LRF			(F18) (outside MLRA 150A,B)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)			dplain Soils (F19) (LRR P, S, T)
Stratified	Layers (A5)		Depleted Matrix (F3)			ght Loamy Soils (F20)
\$100 V VE 100 ST-20 O	Bodies (A6) (LRR I		Redox Dark Surface (F6)		(MLRA 153B	루워크레이크 아이들에요요요요 이렇게 배상하시다면 나를 보이고 않는데 하다 하다.
	cky Mineral (A7) (L		Depleted Dark Surface (F7)		Red Parent Ma	
County to a some to bridge to	esence (A8) (LRR		Redox Depressions (F8)			Park Surface (TF12)
	ck (A9) (LRR P, T)		Marl (F10) (LRR U)	<u> </u>	Other (Explain i	in Remarks)
	Below Dark Surface (A12)	ce (A11) _	Depleted Ochric (F11) (MLRA 1		31-4:1	hudsenhidis usastation and
The second secon	irk Surface (A12) rairie Redox (A16) (	MI DA 150A)	<pre> Iron-Manganese Masses (F12) ( Umbric Surface (F13) (LRR P, T</pre>			hydrophytic vegetation and rology must be present,
	lucky Mineral (S1)		Delta Ochric (F17) (MLRA 151)	, 0,		rbed or problematic.
	leyed Matrix (S4)		Reduced Vertic (F18) (MLRA 15	OA 150B)	unicss dista	rbed of problematic.
	edox (S5)		Piedmont Floodplain Soils (F19)			
	Matrix (S6)		Anomalous Bright Loamy Soils (	하다 점요 이번에 보셨다면 하다 하나 이 때에게 되었다.	A, 153C, 153D)	
	face (S7) (LRR P,	S, T, U)				
Restrictive I	ayer (If observed)	):				
Туре:						. /
Depth (inc	:hes):			Hyd	ric Soll Present	? Yes No
Remarks:		P. P. Stanton				



Wetland data point wsup015f\_w facing northeast.



Wetland data point wsup015f\_w facing southeast.

Project/Site: ACP	_	City/County: _ Su	8801K	_ Sampling Date: 0/29/15
Applicant/Owner: Dominios			State: VA	Sampling Point: WSuPOIS
Investigator(s): ESI-R. TUVA	bull, 15, MURPHIEG	Section, Township, Ra	ange: NA	
Landform (hillslope, terrace, etc.):				1ex Slope (%): 2-4
Subregion (LRR or MLRA): LRR	T 1at: 36.	79202	Long: -76,577:	56 Datum: W65 8
Soil Map Unit Name: NanSemo				
Are climatic / hydrologic conditions or				
Are Vegetation, Soil,				
Are Vegetation, Soil,			eeded, explain any answ	
SUMMARY OF FINDINGS -				
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No Yes No	Is the Sample		No
Remarks:	163110			
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary India	cators (minimum of two required)
Primary Indicators (minimum of one	is required: check all that annly)		THE TAXABLE PROPERTY OF THE PARTY OF THE PAR	il Cracks (B6)
Surface Water (A1)	Aquatic Fauna (B1	And the fact of the second section of the section of the second section of the second section of the second section of the section of the second section of the section		egetated Concave Surface (B8)
High Water Table (A2)	Marl Deposits (B1			atterns (B10)
Saturation (A3)	Hydrogen Sulfide (			Lines (B16)
Water Marks (B1)		neres along Living Root		Water Table (C2)
Sediment Deposits (B2)	Presence of Redu		Crayfish Bu	[1] C. (1) [2] [2] [2] [2] [2] [2] [2] [2] [2] [2]
Drift Deposits (B3)	Recent Iron Reduc	ction in Tilled Soils (C6)		Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface	e (C7)	Geomorphi	c Position (D2)
Iron Deposits (B5)	Other (Explain in F	Remarks)	Shallow Aq	uitard (D3)
Inundation Visible on Aerial Ima	gery (B7)		FAC-Neutra	al Test (D5)
Water-Stained Leaves (B9)			Sphagnum	moss (D8) (LRR T, U)
Field Observations:	./	10		
	No Depth (inches			
Water Table Present? Yes	No Depth (inches	s): <u>720</u>		
(includes capillary fringe)	No Depth (inches		etland Hydrology Prese	nt? Yes No
Describe Recorded Data (stream ga	luge, monitoring well, aerial photo	os, previous inspections	s), if available:	
Remarks:				
Remarks.				
	CONTRACTOR OF THE PROPERTY OF	STATE OF STATE OF STATE OF STATE OF		

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

ı	N54PD15-W
Sampling Poin	

200-12-54	Absolute	Domina	nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 308+X 308+)  1. LIVIO dendron +ulspieera		Species	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant Species Across All Strata: (B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC:
6.				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8				<ul> <li>Editor and dependence of the contract of the cont</li></ul>
	20	= Total C	over ,	OBL species x 1 =
50% of total cover: 10	20% of	f total cov	er:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 3054 X3054)				FAC species x 3 =
. Elex ofaca	5	7	FAC	FACU species x 4 =
2.	The second second second			UPL species x 5 =
3				Column Totals: (A) (B)
i.				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
3				1 Rapid Test for Hydrophytic Vegetation
7-				2 - Dominance Test is >50%
3,		-		3 - Prevalence Index is ≤3.0¹
		= Total C		Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 2.5	20% of	total cove	er:	
Herb Stratum (Plot size: BOST XBOST)	50	Y	FAC	¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Polystichum acrostichoides	5	N	FACU	Definitions of Four Vegetation Strata:
Kubus argutus	10	2	FAC	
Liquistrum sinense		1/	FAC	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
LIGUSTION SICIENS	STREET, STREET	7	THE	more in diameter at breast height (DBH), regardless of height.
i.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
3.				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10 11				Woody vine - All woody vines greater than 3.28 ft in height.
2.				
	145	= Total Co	over	
50% of total cover: 72.	5 2004 0	total com	29	
2064X3084	2070 01	total cove		
Voody Vine Stratum (Plot size: 3084X3084)	1<	V	EAC	
Vitis rotundisolia	13	7	FAC	
2.		Australia		
3.				
5.				Hydrophytic
	1<	= Total C	over	Vegetation
50% of total cover: 7.5		total cove	7	Present? Yes No
		total cove		
Remarks: (If observed, list morphological adaptations belo	w).			

Sampling Point: WSUPDIS\_CA

Depth	Matrix			x Feature			the absence of Indic		
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc <sup>2</sup>	Texture	Remarks	
0-3	104R3/2	100					<u>S</u>		
3-10	104/R4/3	100					5		
10-20	109R5/8	100					SCI		
4.63974									
					77 77 27				
		-							
	concentration, D=Dep					ins.	<sup>2</sup> Location: PL=Por		
	Indicators: (Applica	able to all L					Indicators for Pro		Soils":
Histoso	pipedon (A2)		Polyvalue Be				1 cm Muck (A9 2 cm Muck (A1		
	listic (A3)		Loamy Muck					(F18) (outside	MLRA 150A.B
	en Sulfide (A4)		Loamy Gleye			-,		dplain Soils (F19	
	d Layers (A5)		Depleted Ma				Anomalous Bri	ght Loamy Soils	(F20)
	Bodies (A6) (LRR P,		Redox Dark	TOTAL PROPERTY.			(MLRA 153E		
The second second second second	ucky Mineral (A7) (LR		Depleted Da				Red Parent Ma		42)
	resence (A8) (LRR U uck (A9) (LRR P, T)		Redox Depre Marl (F10) (L	State of the state	3)		Other (Explain	ark Surface (TF	12)
	d Below Dark Surface	(A11)	Depleted Oc		(MLRA 15	1)	Other (Explain	iii itemana)	
Thick D	ark Surface (A12)		Iron-Mangan		The second second second	Martin March School Co. Co.	T) <sup>3</sup> Indicators of	hydrophytic vege	etation and
the self-property of the	rairie Redox (A16) (N					U)		rology must be p	
	Mucky Mineral (S1) (L	.RR O, S)	Delta Ochric				unless distu	rbed or problem	atic.
	Gleyed Matrix (S4) Redox (S5)		Reduced Ver				14)		
The second secon	Matrix (S6)						149A, 153C, 153D)		
	rface (S7) (LRR P, S	, T, U)							
Restrictive	Layer (If observed):								
Туре:									1
	ches):						Hydric Soll Present	7 Yes	No
	ches):		_				Hydric Soll Present	7 Yes	No
Depth (in	ches):		_				Hydric Soll Present	7 Yes	No
Depth (in	ches):		_				Hydric Soli Present	? Yes	No
Depth (in	ches):		_				Hydric Soll Present	7 Yes	No
Depth (in	ches):						Hydric Soll Present	? Yes	No
Depth (in	ches):						Hydric Soll Present	? Yes	No
Depth (in	ches):						Hydric Soli Present	? Yes	No
Depth (in	ches):						Hydric Soll Present	7 Yes	No
Depth (in	ches):						Hydric Soll Present	7 Yes	No
Depth (in	ches):						Hydric Soll Present	7 Yes	No
Depth (in	ches):						Hydric Soli Present	? Yes	No
Depth (in	ches):						Hydric Soll Present	? Yes	No
Depth (in	ches):						Hydric Soll Present	7 Yes	No
Depth (in	ches):						Hydric Soll Present	7 Yes	No
Depth (in	ches):						Hydric Soll Present	7 Yes	No
Depth (in	ches):						Hydric Soll Present	? Yes	No
Depth (in	ches):						Hydric Soli Present	? Yes	No
Depth (in	ches):						Hydric Soll Present	7 Yes	No
Depth (in	ches):						Hydric Soll Present	7 Yes	No
Depth (in	ches):						Hydric Soll Present	7 Yes	No
Depth (in	ches):						Hydric Soll Present	7 Yes	No



Upland data point wsup015\_u facing northwest.



Upland data point wsup015\_u facing southwest.

Project/Site: A C P City/C	County: SIRRUIT Sampling Date: 10/29/1
Applicant/Owner: DOMINION	State: VA Sampling Point: WSup 019
Investigator(s): ESI-R. TURADUIL, K. MURDH 1869 Section	on Township Pance: NA
	relief (concave, convex, none): CONCAVE Slope (%): U-2
Subregion (LRR or MLRA): LRR \ Lat: 36-794	6 Long: 76.56885 Datum: W65
Subregion (LRR or MLRA): Lat: 100 Canada Loans Fine Canada Loans F	Cason Supplemental Datum:
Soil Map Unit Name: NAN Semond 10 any Fine Sond, 15	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No Yes No	within a Wetland? Yes No
Remarks:	
Remarks.	
NCWAM: Riverine SWAMP FOREST.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (LRI	
Saturation (A3)  Hydrogen Sulfide Odor (C	
Water Marks (B1) — Oxidized Rhizospheres a	
Sediment Deposits (B2)  Presence of Reduced Iro	2011
Drift Deposits (B3) Recent Iron Reduction in	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remark	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? YesNo Depth (inches): N	A
Water Table Present? YesNo Depth (inches): 10	2"
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	avious inspections) if available:
Describe Necorded Data (Siream gauge, monitoring well, aerial priotos, pre	vious inspections), it available.
Remarks:	

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

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

200 4200	Absolute			Dominance Test worksheet:
1. Nyssa Sulvation	% Cover	Species?	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2. 1 iquidamor Stylaciflua.	10		FAC	Total Number of Dominant Species Across All Strata: (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8	110			OBL species x 1 =
		= Total Cov		FACW species x 2 =
50% of total cover: 20	20% of	total cover	0	
Sapling/Shrub Stratum (Plot size: 308+ X308+)		1.7		FAC species x 3 =
1. L'auidambay Styracityua	5	<u> </u>	FAC	FACU species x 4 =
2.				UPL species x 5 =
3.				Column Totals: (A) (B)
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1 Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test Is >50%
8				3 - Prevalence Index is ≤3.01
Control (18 100 A landour tentrol (18 10 10 10 10 10 10 10 10 10 10 10 10 10	_5	= Total Cov	er .	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 2 / 5	20% of	total cover	. 1	
Herb Stratum (Plot size: 3084 X 3084)  1. Leer Sia virginica			FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2				Definitions of Four Vegetation Strata:
				Bolling of Four Togotalion Straig
3				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
5				more in diameter at breast height (DBH), regardless of height.
6				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) fall.
8 9				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12	15			
7.5	1)	= Total Cov		
50% of total cover: 7.5	20% of	total cover:		
Woody Vine Stratum (Plot size: 30F+ X 30F+)				
1. None Present				
2.			No. of Control of Cont	
3.				
4.				
5				11. 1. 1. 1. 1.
3	0	= Total Cov		Hydrophytic Vegetation
50% of total cover:				Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
Tremains. (II observed, list morphological adaptations belo	··· ).			

Sampling Point: W540019fus

Profile Descri				Taskins -				
Depth _ (inches)	Matrix Color (moist)	%	Color (moist)	x Features	Loc <sup>2</sup>	Texture	Remarks	
0-56	1,542.5/1	100	(110.01)			15		
1 20 2	1/2/0							
8-00	,540/2	100						
	,							
						2		
				S=Masked Sand G	rains.	<sup>2</sup> Location: PL=Por		
	dicators: (Applic	able to all LRI				Indicators for Pro	blematic Hydric	Solls":
Histosol (A		-	-	low Surface (S8) (			71.75	
_ Histic Epip		-		ırface (S9) (LRR S		2 cm Muck (A1		
Black Histi		-		y Mineral (F1) (LRI	R O)		c (F18) (outside N	
	Sulfide (A4)	-		ed Matrix (F2)			dplain Soils (F19)	
_ Stratified L			Depleted Ma				ght Loamy Soils (	F20)
	odies (A6) (LRR P	to the second	Redox Dark			(MLRA 153B	The state of the s	
	y Mineral (A7) (LF			rk Surface (F7)		Red Parent Ma		0)
	ence (A8) (LRR U	) _	Redox Depre				Dark Surface (TF1	2)
	(A9) (LRR P, T)	- (044)	Marl (F10) (L		F41	Other (Explain	in Remarks)	
	Selow Dark Surface	e (A11) _		hric (F11) (MLRA 1		311:1	hd	-H d
	Surface (A12)	41 DA 450A)		ese Masses (F12)			hydrophytic veget	
	rie Redox (A16) (N	_		ice (F13) (LRR P, 7	* *		trology must be pr	
	cky Mineral (S1) (L	.KK 0, S) _		(F17) (MLRA 151)		uniess distu	rbed or problema	IIC.
	yed Matrix (S4)	-		tic (F18) (MLRA 1:				
_ Sandy Rec		-		oodplain Soils (F19)	•			
Stripped M			Anomalous E	singni Loamy Soils	(F20) (WILKA	149A, 153C, 153D)		
	ce (S7) (LRR P, S yer (if observed):							
	yei (ii observed).				1			
Туре:			-				/	
Depth (inche	es):		-			Hydric Soil Present	? Yes	No
Remarks:								



Wetland data point wsup019f\_w facing north.



Wetland data point wsup019f\_w facing northwest.

Photo Sheet 1 of 2

Project/Site: ACP City/County: SUFFUIC	Sampling Date: 10/29 // 5
Applicant/Owner: Dominion State: 1/ A	Sampling Point: WSup 019-1
Investigator(s): ESI-R. Turnbull, K. Mur Phrey Section, Township, Range: NA	camping rount gassay
Landform (hillslope, terrace, etc.): NIISIOPE Local relief (concave, convex, none): COA	10 V
Subregion (LRR or MLRA): LRR T Lat: 36. A + 56 Long: -76. 568	Vex Slope (%): 2-4
- " NAA 60 - (10) 110000 - 5' 5 1 7 7-4 5 000	. 1 . 1
	sification: NA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in	n Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	s" present? Yes NoNo
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any ans	
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transec	
Hydrophytic Vegetation Present? Yes No Is the Sampled Area	
Hydric Soil Present? Yes No	
Wetland Hydrology Present? Yes No within a Wetland? Yes	No
Remarks:	
HYDROLOGY	
	icators (minimum of two required)
	pil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13) Sparsely \	/egetated Concave Surface (B8)
	Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (C1) Moss Trim	Lines (B16)
	n Water Table (C2)
	urrows (C8)
Ale-IM-A-S distriction	Visible on Aerial Imagery (C9)
	ic Position (D2)
Inundation Visible on Aerial Imagery (B7)  Shallow Active (Explain in Remarks)  FAC-Neutronian (Explain in Remarks)	quitard (D3)
	moss (D8) (LRR T, U)
Field Observations:	moss (BB) (ERR 1, B)
Surface Water Present? Yes No Depth (inches): A	1
Water Table Present? Yes No Depth (inches): 720	
Saturation Present? Yes No Depth (inches): 720 Wetland Hydrology Pres	ent? Yes No
(includes capillary fringe)	100
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	5
Remarks:	

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

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

- 3161 V2161	Absolute		Indicator	Dominance Test worksheet:
1. Liquidambar Styracifina	% Cover	Species'	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2. NYSSON SYNDHICA		N	FAC	
3. Ilex opera	2	N	FAC	Total Number of Dominant Species Across All Strata: (B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6				(***)
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
		= Total Co		OBL species x 1 =
50% of total cover: 13	$\leq$ 20% of	total cove	5.4	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 F+ X 30 F+)				FAC species x 3 =
1. Liquidambor Starociflua	10	7	FAC	FACU species x 4 =
2. Callicarpa Americana	2	N	FACU	UPL species x 5 =
3				Column Totals: (A) (B)
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1 Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.01
/		= Total Co		Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover:	20% of	total cover	dit	
Herb Stratum (Plot size: 2084 × 30F)	_			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Leersia Virginica	_5_	_Y_	FACW	be present, unless disturbed or problematic.
2				Definitions of Four Vegetation Strata:
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb - All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Manda da Allanda da Al
11				Woody vine - All woody vines greater than 3.28 ft in height.
12				1.5.3
	5	= Total Cov	er	
50% of total cover: 2.5		total cover		
Woody Vine Stratum (Plot size: 30F+X30F+)		10141 00701		
1. None Present				
2.				
3				
4				
5				
5,		T		Hydrophytic
50% of total cover:	A THE SHAPE OF THE SA	= Total Cov		Vegetation Present? Yes No
Remarks: (If observed, list morphological adaptations below		. Mai Cover		
remarks. (If observed, list morphological adaptations below	w).			
<sub>2</sub> ≤ 0				
2				

Sampling Point: WSUPU19-4

	iption: (Describe	to the depth	needed to docum	ent the indicator of	or confirm	the absence of i	Indicators.)	
Depth	Matrix			Features				
(inches)	Color (moist)		Color (moist)		Loc <sup>2</sup>	Texture	Remarks	
000	2,514/2	100				>		
8-20	2.544/3	100				5		
								-
12-471								
¹Type: C=Co	ncentration, D=Depl	etion, RM=R	educed Matrix, MS	=Masked Sand Gra	ins.	<sup>2</sup> Location: PL:	=Pore Lining, M=Mate	rix
Hydric Soil Ir	dicators: (Applica	able to all Li	RRs, unless other	wise noted.)			Problematic Hydric	
Histosol (	A1)		Polyvalue Bel	ow Surface (S8) (LF	RR S. T. U)			
	pedon (A2)		Thin Dark Sur	face (S9) (LRR S, 1	r, u)		(A10) (LRR S)	
Black His				Mineral (F1) (LRR			/ertic (F18) (outside	MLRA 150A,B)
	Sulfide (A4)		Loamy Gleyer			Piedmont I	Floodplain Soils (F19	) (LRR P, S, T)
	Layers (A5)		Depleted Matr			100000000000000000000000000000000000000	s Bright Loamy Soils	(F20)
	Bodies (A6) (LRR P,		Redox Dark S			(MLRA 1		
	ky Mineral (A7) (LR sence (A8) (LRR U)		Depleted Dark	, ,			t Material (TF2)	
	k (A9) (LRR P, T)	i.	Redox Depres Marl (F10) (LF			77775 P.O. 15	ow Dark Surface (TF	12)
	Below Dark Surface	(A11)		ric (F11) (MLRA 15	1)	Other (Exp	lain in Remarks)	
	k Surface (A12)	, ,		se Masses (F12) (L		T) <sup>3</sup> Indicator	s of hydrophytic vege	etation and
	irie Redox (A16) (M			e (F13) (LRR P, T,			hydrology must be p	
	icky Mineral (S1) (L	RR O, S)	Delta Ochric (	F17) (MLRA 151)			disturbed or problems	
	eyed Matrix (S4)			c (F18) (MLRA 150				
Sandy Re				dplain Soils (F19) (				
	Matrix (S6)		Anomalous Br	ight Loamy Soils (F	20) (MLRA	149A, 153C, 153	3D)	
	ace (S7) (LRR P, S, ayer (If observed):	, I, U)						
	iyer (ii observed).							
Type:			_					
Depth (inch	es):					Hydric Soll Pre	sent? Yes	No
Remarks:								
10								
								1



Upland data point wsup019\_u facing east.



Photo Sheet 2 of 2

Project/Site: A C P City/C	County: SUESUIK Sampling Date: 10/24/1
Applicant/Owner: Dominion	State: VA Sampling Boint WSWO 017 C
Investigator(s): EST-R. TURNOUN, K. MURPHYEY Section	on Township Range: NA
Landform (hillslope, terrace, etc.): Headwater Local	(relief (concerns convey neps): (OOCANA Plane (N)) ()= )
Subregion (LRR or MLRA): LRR T Lat: 36.794	29 Slope (%): 0 2
Soil Map Unit Name: Non Server 100mg Fine Sond, 15	30% Stores NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS - Attach site map showing sam	
Hydrophytic Vegetation Present? YesNo	
Hydric Soil Present? YesNo	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	within a Wetland? Yes No
Remarks:	
NCMANON PINONING	
NCWAM: Riverine Swamp Forest	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LRR	R U) Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide Odor (C	
Water Marks (B1) Oxidized Rhizospheres al	long Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduced Iron	n (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 Remark:	
Inundation Visible on Aerial Imagery (B7)	X FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? YesNo Depth (inches): 311	
Water Table Present? Yes No Depth (inches):	rface
Saturation Present? Yes No Depth (inches): 500	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous)	vious inspections), if available:
Remarks:	
	,
•	

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

	wsup	017	f_w
Sampling F	Point:		

2 (	Absolute	Dominan	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30F+X30F+)	% Cover	Species'	Status	Number of Dominant Species
1. Acer rubrum	30	4	FAC	That Are OBL, FACW, or FAC:
2			13 130	
				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5			<u>.</u>	That Are OBL, FACW, or FAC: (A/B)
6				
7				Prevalence Index worksheet:
8				Total % Cover of: Multiply by:
	20	= Total Co		OBL species x 1 =
16		= Total Co	ver	FACW species x 2 =
50% of total cover: 15	20% of	total cove	. 6	
Sapling/Shrub Stratum (Plot size: 308+ x 308+)				FAC species x 3 =
1. None Present				FACU species x 4 =
2				UPL species x 5 =
3.				Column Totals: (A) (B)
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1_Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.01
Marco College				Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover:	20% of	total cover	:	
Herb Stratum (Plot size: 308+ X308+				Indicators of hydric soil and wetland hydrology must
1. Leersia vivginica	70	Y	FACE	be present, unless disturbed or problematic.
2. Micostegium Vimineum		N	FAC	Definitions of Four Vegetation Strata:
			1110	Deminions of Four Vegetation Strata.
3				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6				Sapling/Shrub - Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				
8				Herb - All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12				
	40	Total Cov		
500 4111 40		= TOTAL COV	er IG	
50% of total cover: 40	_ 20% of 1	total cover	10	
Woody Vine Stratum (Plot size: 308+ X 308+)				
1. NOTE Present				
2.				
3				
·				
4				
5				Hydrophytic
	=	Total Cov	er	Vegetation
50% of total cover:	20% of t	otal cover		Present? Yes No
Remarks: (If observed, list morphological adaptations below				,
remarks. (If observed, list morphological adaptations below	/).			
				IN THE SECURITY ASSESSMENT OF THE PARTY OF T

C	$\overline{}$	ı	1	
J	u	ı	L	

Sampling Point: WSup 017 fus

Depth (inches)			riiocaca to accar		, and aton	01 0011111111	the absence	oringicator	3.1	
(inches)	Matri			x Features						
A 11	Color (moist		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
04	2.542.51	1 (00					ML			
4-20	2.545/2	1 90 -	7.SGR4/6	(1)	C	~	5			
	- 1									
	· —									
<sup>1</sup> Type: C=	Concentration, D=I	Depletion, RM=F	Reduced Matrix, MS	S=Masked	Sand Gra	ains.	<sup>2</sup> Location:	PL=Pore Lin	ing, M=Matrix	
Hydric Soi	I Indicators: (Ap	plicable to all L	RRs, unless other	wise note	d.)				atic Hydric S	
Histos	ol (A1)		Polyvalue Be	low Surfac	e (S8) (L	RR S. T. U	) 1 cm N	Auck (A9) (LF	(RO)	
	Epipedon (A2)		Thin Dark Su				50 00001500	Auck (A10) (L		
	Histic (A3)		Loamy Mucky	Mineral (	F1) (LRR	0)				LRA 150A,B)
	gen Sulfide (A4)		Loamy Gleye							LRR P, S, T)
	ed Layers (A5)		Depleted Mat						oamy Soils (F	
	c Bodies (A6) (LR	R P, T, U)	Redox Dark S		6)			RA 153B)	, (,	,
	lucky Mineral (A7)		Depleted Dar					arent Materia	I (TF2)	
	Presence (A8) (LR		Redox Depre						Surface (TF12	2)
	luck (A9) (LRR P,		Marl (F10) (L		10			(Explain in Re		
Deplet	ed Below Dark Sur	face (A11)	Depleted Och		MLRA 15	i1)	_	10.01		
Thick [	Dark Surface (A12)	)	Iron-Mangane	ese Masse	s (F12) (I	LRR O, P,	T) <sup>3</sup> Indic	ators of hydro	ophytic vegeta	ation and
Coast	Prairie Redox (A16	6) (MLRA 150A)	Umbric Surfa	ce (F13) (I	LRR P, T,	U)	wet	land hydrolog	y must be pre	esent,
Sandy	Mucky Mineral (S	1) (LRR O, S)	Delta Ochric	(F17) (ML	RA 151)		unle	ess disturbed	or problemat	c.
Sandy	Gleyed Matrix (S4	)	Reduced Ver	tic (F18) (I	MLRA 15	DA, 150B)				
✓ Sandy	Redox (S5)		Piedmont Flo	odplain So	oils (F19)	(MLRA 14	9A)			
Strippe	d Matrix (S6)		Anomalous B	right Loan	ny Soils (F	20) (MLR/	A 149A, 153C	, 153D)		
	urface (S7) (LRR									
Restrictive	Layer (if observe	ed):								
Туре:										
Depth (i	nches):		4.7.90				Hydric Soll	Present?	Yes	No
Remarks:										



Wetland data point wsup017f\_w facing south.



Wetland data point wsup017f\_w facing southeast.

Photo Sheet 1 of 2

Project/Site: ACP City/County: SUFFUIK Sampling Date: (0/24/1)
Applicant/Owner: Dominion State: VA Sampling Point: WSup 017-
Investigator(s): EST-R. TUrnbull, K. Murphrey Section, Township, Range: NA
Landform (hillslope, terrace, etc.): hill Stope  Local relief (concave, convex, none): CONEX  Slope (%): 2-4
1 0 0 0
Soil Map Unit Name: Nan Semond Wormy Fine Sond, 15-30% SIOPES NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "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.
Hydric Soil Present?
Wetland Hydrology Present? Yes No within a Wetland? Yes No No
Remarks:
EPOSEGI-NC
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? Yes No Depth (inches): A
Water Table Present? Yes No Depth (inches): 720
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:

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

Sampling Point: WSUP 017-W

Tree Stratum (Plot size: 306+X 306+)	Absolute	Dominant	Indicator	Dominance Test worksheet:	177.75
1. ACEY VULVUM	% Cover	Species?	Status FAC	Number of Dominant Species That Are OBL, FACW, or FAC:	(Δ)
2. I LEX OPOCO	10	Ý	FAC	-2	(^)
3. Liliodendrun tulipifera	15		FACU	Total Number of Dominant Species Across All Strata:	(B)
4				Percent of Dominant Species 7_1	
5					(A/B)
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply by:	
·	45	= Total Co		OBL species x 1 =	-
50% of total cover: 22,	5 2006 05	total agree	9	FACW species x 2 =	
Sapling/Shrub Stratum (Plot size: 308+X3084)	20% 01	total cover		FAC species x 3 =	
1. Ilex ofaca	10	1	PAC	FACU species x 4 =	
2. Juniperous vivainiona	10	1	FACO	UPL species x 5 =	
3. Pinus taeda	5	7	FAC	Column Totals: (A)	
4. ACEY YUDYUM			FAC		
5.		,	1110	Prevalence Index = B/A =	
6				Hydrophytic Vegetation Indicators:	
7				- Rapid Test for Hydrophytic Vegetation	
8				2 - Dominance Test is >50%	
0	25			3 - Prevalence Index is ≤3.0 <sup>1</sup>	
17	50	= Total Cov	er —	Problematic Hydrophytic Vegetation¹ (Explain)	)
50% of total cover: 17/	20% of	total cover			
Herb Stratum (Plot size: 308+X308+)  1. Microstegian vimineam	20	Y	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology mu be present, unless disturbed or problematic.	ıst
2				Definitions of Four Vegetation Strata:	
3				Too Manda dada and disaster as 5 at 5	
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardles	n) or
5				height.	.5 01
6				Sapling/Shrub - Woody plants, excluding vines, le	000
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.	255
8					
9				Herb – All herbaceous (non-woody) plants, regardl of size, and woody plants less than 3.28 ft tall.	ess
10					55
11				Woody vine – All woody vines greater than 3.28 ft height.	in
12				neight.	
	20 =	Total Cov	er		
50% of total cover: 10		total cover:			
Woody Vine Stratum (Plot size: 30 F1 X 30 F1)		otal cover.			
1. None Presenx					
2.					
3					
4					
4 5.					
o	0	T-4-LO		Hydrophytic	
50% of total cover		Total Cove		Vegetation Present? Yes No	
50% of total cover:		otal cover:			
Remarks: (If observed, list morphological adaptations belo	w).				
					-

Sampling Point: \_\_\_\_

Profile Description: (Describe to the depth	needed to document the indicator or c	onfirm the absence of Indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %		oc <sup>2</sup> Texture Remarks
0-20 21543/2 100		641-
		- 000
<u> </u>		
12-72 PM 201-4010 Annual Policy Annual Polic		
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Re	duced Matrix, MS=Masked Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soll Indicators: (Applicable to all LR	Rs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Polyvalue Below Surface (S8) (LRR	S, T, U) 1 cm Muck (A9) (LRR O)
Histic Epipedon (A2)	Thin Dark Surface (S9) (LRR S, T, U	2 cm Muck (A10) (LRR S)
Black Histic (A3)	Loamy Mucky Mineral (F1) (LRR O)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)	Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark Surface (F6)	
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	
Sandy Mucky Mineral (S1) (LRR O, S)	Umbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present,
	Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 150A,	
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (ML	
Stripped Matrix (S6)	Anomalous Bright Loamy Soils (F20)	(MLRA 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)		
Restrictive Layer (if observed):		
Type:	•	
Depth (inches):	_	Hydric Soil Present? Yes No
Remarks:		
10 1000		
	*	s
	*	e e e e e e e e e e e e e e e e e e e
	*	
	*	



Upland data point wsup017\_u facing north.



Upland data point wsup017\_u facing west.

Project/Site: A C P City/C	County: SUFFOIK Sampling Date: 10/29/15
Applicant/Owner: Dominion	Sampling Date: Of Alles
	State: VA Sampling Point: WSUP 016e.
Investigator(s): EST R, TUVNDUIL, MURPHYRY Section	
Landform (hillslope, terrace, etc.): MAV Sh Local	relief (concave, convex, none): CONCAV- Slope (%):
Subregion (LRR or MLRA): LRR T Lat: 36.794	61 Long: -76.56559 Datum: W658
Soil Map Unit Name: TR totam fine sondy wam, 2-	69 SINPES NWI classification: EREM
Are climatic / hydrologic conditions on the site typical for this time of year? Y	. /
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	COST 1-10 CONT. COST 1-1-COST
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? YesNo	within a Wetland? Yes No
Wetland Hydrology Present? Yes No No	
Remarks: COOStal Marsh	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)  High Water Table (A2) Marl Deposits (B15) (LRF	Sparsely Vegetated Concave Surface (B8)
-//	
Saturation (A3) Hydrogen Sulfide Odor (C Water Marks (B1) Oxidized Rhizospheres a	
Sediment Deposits (B2)  Presence of Reduced Iron	
Drift Deposits (B3) Recent Iron Reduction in	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remark	
Inundation Visible on Aerial Imagery (B7)	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): 5th	(Foce   Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections) if available:
g - g - ,	nodo inspectiono), il divandole.
Remarks:	
	5

VEGETATION	Four S	trata) – U	se scientific	names of	nlante
* - O - I / I I O I I	i oui o	uutu, - C	SC SCICITUIL	i lai i les oi	Dialits.

	W5uf	00	lbew
Sampling	Point:		

- 2051 V20KL	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 3084 X 3084)  1. NONE PRESENT	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata: (B)
4 5		Persont of Deminent Species
6		That Are OBL, FACW, or FAC: 100 / (A/B)
7		Prevalence Index worksheet:
8		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
50% of total cover:	20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 3084 X 3084)		FAC species x 3 =
1. None Plesent		FACU species x 4 =
2		UPL species x 5 =
3		Column Totals: (A) (B)
4		Prevalence Index = B/A =
5		Hydrophytic Vegetation Indicators:
6		1 - Rapid Test for Hydrophytic Vegetation
7		2 - Dominance Test is >50%
8		3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover:	20% of total cover:	
Herb Stratum (Plot size: 2044 X 30 54)	70 1/ -81	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Sporting alternitiona	70 Y OBL	be present, unless disturbed or problematic.
2. Phragmites australis	50 Y FACW	Definitions of Four Vegetation Strata:
3		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4		more in diameter at breast height (DBH), regardless of
5		height.
6		Sapling/Shrub - Woody plants, excluding vines, less
7		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8		Herb - All herbaceous (non-woody) plants, regardless
9		of size, and woody plants less than 3.28 ft tall.
10		Woody vine - All woody vines greater than 3.28 ft in
11		height.
12		
	TOTAL Cover	
50% of total cover:	20% of total cover: _20	
Woody Vine Stratum (Plot size: 308+ X 308+)		
1. DUNE PRESENT		
2		
3		
4		
5		Hudenshudt.
	= Total Cover	Hydrophytic   Vegetation
50% of total cover:		Present? Yes No No
Remarks: (If observed, list morphological adaptations below		
340		

	111
$\sim$	-

Sampling Point: WSWPOlbe-w

Depth		to the depth r	needed to document the Indicator or confir	m the absence of Indicators.)
(inches)	Color (moist)	%	Redox Features  Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	
0-20	2.51/2.5/1	100	70 1700 200	
	2007	-		Mucicy loam
				38-3 3543/8
<sup>1</sup> Type: C=Ce	oncentration, D=Depl	etion, RM=Re	duced Matrix, MS=Masked Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LRF	Rs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)	_	Polyvalue Below Surface (S8) (LRR S, T,	U) 1 cm Muck (A9) (LRR O)
	pipedon (A2)	_	_ Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
	stic (A3)	_	Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
	n Sulfide (A4)	_	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
	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 Mu	cky Mineral (A7) (LR	R P, T, U) _	Depleted Dark Surface (F7)	Red Parent Material (TF2)
	esence (A8) (LRR U)	-	Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
	ck (A9) (LRR P, T) Below Dark Surface	(011)	Marl (F10) (LRR U)	Other (Explain in Remarks)
	rk Surface (A12)	(A11) _	Depleted Ochric (F11) (MLRA 151)	3
	airie Redox (A16) (M	I RA 150A)	<ul><li>Iron-Manganese Masses (F12) (LRR O, P,</li><li>Umbric Surface (F13) (LRR P, T, U)</li></ul>	
Sandy M	lucky Mineral (S1) (LI	RROS)	Delta Ochric (F17) (MLRA 151)	wetland hydrology must be present,
	leyed Matrix (S4)	0, 0, _	Reduced Vertic (F18) (MLRA 150A, 150B)	unless disturbed or problematic.
	edox (S5)	_	Piedmont Floodplain Soils (F19) (MLRA 14	
	Matrix (S6)	-	Anomalous Bright Loamy Soils (F20) (MLR	RA 149A 153C 153D)
Dark Sur	face (S7) (LRR P, S,	T, U)		1707, 1000, 1000,
Restrictive L	ayer (if observed):			
Type:				
Depth (inc	hes):			Hydric Soil Present? Yes No
Remarks:				
				8



Wetland data point wsup016e\_w facing northeast.



Wetland data point wsup016e\_w facing southeast.

Photo Sheet 1 of 3

Project/Site: ACP	City/County: SCNS &O    Sampling Date: (0 / 29 / (5
Applicant/Owner: Dominion	State: VA Sampling Point: Wsup0(6f_w
0	Section, Township, Range: NA
	occion, romanip, realige.
Subregion (LRR or MLRA): LRR \ Lat: 36,7	Local relief (concave, convex, none): COCAVE Slope (%): O-Z  Datum: W6584
Soil Map Unit Name: Tetotum fine Sordy 10000,	
Are climatic / hydrologic conditions on the site typical for this time of ye	the state of the s
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pro	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	Is the Sampled Area
Wetland Hydrology Present? Yes No	within a Wetland? Yes No
Remarks:	
NCWAM: Riverine Swomp forest	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	
Surface Water (A1) Aquatic Fauna (B13	
High Water Table (A2)  Marl Deposits (B15)	_ , , , , , , , , , , , , , , , , , , ,
Saturation (A3) Hydrogen Sulfide O	
Water Marks (B1) Oxidized Rhizosphe	eres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduce	ed Iron (C4) Crayfish Burrows (C8)
	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) Field Observations:	Sphagnum moss (D8) (LRR T, U)
. /	NA
Water Table Present? YesNo Depth (inches): Saturation Present? YesNo Depth (inches):	LUXENCO
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos	s, previous inspections), if available:
Remarks: Buttressed trees	
Diffession Ties	
9	

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

	W5u	001	6f-w	,
Sampling	Point:	70		

- 2,CI V 2 2 6 L	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 2084 X 3084)	% Cover	Species?		Number of Dominant Species
1. Liquidambor Styracifluor	15	/	FAC	That Are OBL, FACW, or FAC:(A)
2. Acer rubrum	20	<u> </u>	FAC	Total Number of Damin ant
3. Nyssa sylvatica	10	Y	FAC	Total Number of Dominant Species Across All Strata:  (B)
4.	ENGLISHED SELECTION	-		Species Across All Citata.
				Percent of Dominant Species That Are ORL FACW or FAC: (OC)
5				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				A control to the control of the cont
8				Total % Cover of:Multiply by:
	45	= Total Cov	er_	OBL species x 1 =
50% of total cover: 22.	5 20% of	total cover	. 9	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 308+ X20F+)		10141 00701		FAC species x 3 =
1. Liquidambor Styraciflya	<	Y	EAC	FACU species x 4 =
				UPL species x 5 =
2				
3				Column Totals: (A) (B)
4				Prevalence Index = B/A =
5				
6				Hydrophytic Vegetation Indicators:
6				1 Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.01
	_5_	= Total Cov	er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 2.	20% of	total cover:		
Herb Stratum (Plot size: 306+ X308+)				1
1. Phragmites australis	5	N	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	50	1	FAC	
				Definitions of Four Vegetation Strata:
3				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6.				Saulta at Shareh Nova da alama da anda
				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				than 5 m. DBH and greater than 5.20 it (1 m) tail.
8				Herb - All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11			***************************************	height.
12				
	55.	= Total Cov		
500 444 27 6		- TOTAL COV	1 \	
50% of total cover: 27, 5	20% of	total cover:		
Woody Vine Stratum (Plot size: 308+ X30F+)	,	\ /		
1. Smilax rotundifolia	_5_	7	FAC	±
2			V-0-7	
3				
4				
5	_			Hydrophytic
	:	Total Cov	er	Vegetation
50% of total cover: 2.5	20% of	total cover:	_ \	Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
, , , , , , , , , , , , , , , , , , , ,	,.			
*				
				\

Sampling Point: \_\_\_\_

Profile Description: (Describe to the dep	th needed to docum	ent the Ir	ndicator	or confirm	the absence of In	dicators.)
Depth Matrix		Features				3.70
(inches) Color (moist) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-5 104R2/1 100					SL	
5-20 2,345/2 95	7,54R4/6	5	C	M	Sond	
/						
Type: C=Concentration, D=Depletion, RM:	=Reduced Matrix, MS	=Masked	Sand Gra	ains -	2l ocation: PI =	Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless other	wise note	d.)	21113.		roblematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Polyvalue Bel			RRS T III		(A9) (LRR O)
Histic Epipedon (A2)	Thin Dark Sur					(A10) (LRR S)
Black Histic (A3)	Loamy Mucky					ertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4)	Loamy Gleyed	d Matrix (F	2)			oodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)	Depleted Matr					Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U)	Redox Dark S				(MLRA 15	
5 cm Mucky Mineral (A7) (LRR P, T, U)						Material (TF2)
Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T)	Redox Depres		)			w Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Marl (F10) (LF Depleted Och		MIDA 45	41	Other (Expla	nin in Remarks)
Thick Dark Surface (A12)	Iron-Mangane				3 Indicators	of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A	Umbric Surfac				•	nydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochric (					sturbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced Verti	ic (F18) (N	ILRA 150	DA, 150B)		•
Sandy Redox (S5)	Piedmont Floo					
Stripped Matrix (S6)	Anomalous Br	ight Loam	y Soils (F	20) (MLRA	149A, 153C, 153E	D)
Dark Surface (S7) (LRR P, S, T, U)			on Same			
Restrictive Layer (if observed):						
Type:	-					
Depth (inches):					Hydric Soil Press	ent? Yes No
Remarks:				•		



Wetland data point wsup016f\_w facing northeast.



Wetland data point wsup016f\_w facing south.

Photo Sheet 2 of 3

Project/Site: ACP City/County: SUBFOIK Sampling Date: 10/29/15
-/T 0 - 11 11 15 00 110 121
Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): CONVEX Slope (%): 2-4
Subregion (LRR or MLRA): LRRT Lat: 36,79463 Long: -76,56562 Datum: W65 &
Soil Map Unit Name: Tet Otum Sine Sondy Warn, 2-690 SIDRES NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?
A Maradalla Collinsia
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
The state of the s
Hydrophytic Vegetation Present? Yes No le the Sampled Area
Hydric Soil Present?  Yes No Visite a Western Co.
Wetland Hydrology Present? Yes No within a Wetland? Yes No No
Remarks:
HYDROLOGY
Wetland Hydrology Indicators:  Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)  Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10)
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 LI)
Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U)  Field Observations:
Surface Water Present? Yes NoDepth (inches): NA
Water Table Present?  Yes No Depth (inches):
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Demode
Remarks:

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

Sampling Point: WSup016\_W

2001/0-61	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 3084 X 3084)	% Cover	Species?	Status	Number of Dominant Species
1. Sassabras albidum	15	Α	FACU	That Are OBL, FACW, or FAC: (A)
2. QUERCUS rubra	5	Α	FACU	Total Number of Berriand
3. TIEX OPOLO	5	Y	FAC	Total Number of Dominant Species Across All Strata:  (B)
4	0.5-887-0.9-25-9-0-5			1-7
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50/ (A/B)
6				That Are OBL, FACW, or FAC: (A/B)
7				Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
0	19			OBL species x 1 = O
50% of total cover: 12	5	= Total Cov	er 5	FACW species x 2 =
	20% of	total cover		FAC species 19 x3 = 57
Sapling/Shrub Stratum (Plot size: 30F+ X 30F+)	10	V	cn.	FACU species ZD x4= 80
1. Lightrum sinense 2. Pinus tarda	10	1	FAC	UPL species x5 =
2. PINOS FARMON	d	N	FAC	Column Totals: 3 9 (A) 137 (B)
3. NUSSO SUIVANICA	2	N	FAC	Column Totals: (A) (B)
4				Prevalence Index = B/A = 3.51
5		21 1 24 4 2 <sub>1</sub> 12 24		Hydrophytic Vegetation Indicators:
6				
7				1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
	14	= Total Cov		3 - Prevalence Index is ≤3.01
50% of total cover:				Problematic Hydrophytic Vegetation¹ (Explain)
	20% of	total cover	2.0	
Herb Stratum (Plot size: 2054 X 3054)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. None Present				be present, unless disturbed or problematic.
2				Definitions of Four Vegetation Strata:
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6		24.166.7971-90		SaplIng/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				
9				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10				or size, and woody plants less than 5.26 it tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12				
	=	Total Cov	er	
50% of total cover:	_ 20% of	total cover:		
Woody Vine Stratum (Plot size: 30F+ K30F+)				
1. none				
2				#
3			80-079 DOG 81-1	9
4				
5				Underwhotte
	0	Total Cove	er e	Hydrophytic Vegetation
50% of total cover:				Present? Yes NoX
Remarks: (If observed, list morphological adaptations below		otal cover.		
Trainants. (Il observed, list morphological adaptations below	٧).			

Sampling Point: WSUPO16\_U

Profile Description: (Describe to the depth needed to document the indicator or confir  Depth Matrix Redox Features	m the absence of Indicators.)
Depth   Matrix   Redox Features   (inches)   Color (moist)   %   Type   Loc²	
0-8 2.54/2 100	Fine Sond
8-20 2.594/3 100	Fine Sond
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	21
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U)	
	2 cm Muck (A10) (LRR S)
Black Histic (A3)         Loamy Mucky Mineral (F1) (LRR O)           Hydrogen Sulfide (A4)         Loamy Gleyed Matrix (F2)	Reduced Vertic (F18) (outside MLRA 150A,B)
Stratified Layers (A5) Depleted Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6)	Anomalous Bright Loamy Soils (F20) (MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	Red Parent Material (TF2)
Muck Presence (A8) (LRR U)  — Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)  Depleted Ochric (F11) (MLRA 151)	Other (Explain III Remarks)
Thick Dark Surface (A12)  Iron-Manganese Masses (F12) (LRR O, P	, T) <sup>3</sup> Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B	
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 1	
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLI	
Dark Surface (S7) (LRR P, S, T, U)	,
Restrictive Layer (if observed):	
Type:	. /
Depth (inches):	Hydric Soil Present? Yes No
Remarks:	1,7,4,1,0,0,1,1,0,0,1,1,1,1,1,1,1,1,1,1,1,1



Upland data point wsup016\_u facing northwest.



Upland data point wsup016\_u facing southwest.

Photo Sheet 3 of 3

Project/Site: A C P City/C	County: SUFFOIK Sampling Date: 10/29/15
Applicant/Owner: Dominion	Sampling Date: Of Alles
	State: VA Sampling Point: WSUP 016e.
Investigator(s): EST R, TUVNDUIL, MURPHYRY Section	
Landform (hillslope, terrace, etc.): MAV Sh Local	relief (concave, convex, none): CONCAV- Slope (%):
Subregion (LRR or MLRA): LRR T Lat: 36.794	61 Long: -76.56559 Datum: W658
Soil Map Unit Name: TR totam fine sondy wam, 2-	69 SINPES NWI classification: EREM
Are climatic / hydrologic conditions on the site typical for this time of year? Y	. /
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	COST 1-10 CONT. COST 1-1-COST
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? YesNo	within a Wetland? Yes No
Wetland Hydrology Present? Yes No No	
Remarks: COOStal Marsh	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13)  High Water Table (A2) Marl Deposits (B15) (LRF	Sparsely Vegetated Concave Surface (B8)
-//	
Saturation (A3) Hydrogen Sulfide Odor (C Water Marks (B1) Oxidized Rhizospheres a	
Sediment Deposits (B2)  Presence of Reduced Iron	
Drift Deposits (B3) Recent Iron Reduction in	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remark	
Inundation Visible on Aerial Imagery (B7)	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): 5th	(Foce   Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections) if available:
g - g - ,	nodo inspectiono), il divandole.
Remarks:	
	5

VEGETATION	Four S	trata) – U	se scientific	names of	nlante
* - O - I / I I O I I	i oui o	uutu, - C	SC SCICITUIL	i lai i les oi	Dialits.

	W5uf	00	lbew
Sampling	Point:		

- 2051 V20KL	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 3084 X 3084)  1. NONE PRESENT	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata: (B)
4 5		Persont of Deminent Species
6		That Are OBL, FACW, or FAC: 100 / (A/B)
7		Prevalence Index worksheet:
8		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
50% of total cover:	20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 3084 X 3084)		FAC species x 3 =
1. None Plesent		FACU species x 4 =
2		UPL species x 5 =
3		Column Totals: (A) (B)
4		Prevalence Index = B/A =
5		Hydrophytic Vegetation Indicators:
6		1 - Rapid Test for Hydrophytic Vegetation
7		2 - Dominance Test is >50%
8		3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover:	20% of total cover:	
Herb Stratum (Plot size: 2044 X 30 54)	70 1/ -81	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Sporting alternitiona	70 Y OBL	be present, unless disturbed or problematic.
2. Phragmites australis	50 Y FACW	Definitions of Four Vegetation Strata:
3		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4		more in diameter at breast height (DBH), regardless of
5		height.
6		Sapling/Shrub - Woody plants, excluding vines, less
7		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8		Herb - All herbaceous (non-woody) plants, regardless
9		of size, and woody plants less than 3.28 ft tall.
10		Woody vine - All woody vines greater than 3.28 ft in
11		height.
12		
	TOTAL Cover	
50% of total cover:	20% of total cover: _20	
Woody Vine Stratum (Plot size: 308+ X 308+)		
1. DUNE PRESENT		
2		
3		
4		
5		Hudenshudt-
	= Total Cover	Hydrophytic   Vegetation
50% of total cover:		Present? Yes No No
Remarks: (If observed, list morphological adaptations below		
340		

	111
$\sim$	-

Sampling Point: WSWPOlbe-w

Depth		to the depth i	needed to document the Indicator or confir	m the absence of Indicators.)
(inches)	Matrix Color (moist)	%	Redox Features  Color (moist) % Type¹ Loc²	
0-20	2.51/2.5/1	100	70 1700 200	
	******			MUCKY 10am
<sup>1</sup> Type: C=Ce	oncentration, D=Depl	etion, RM=Re	duced Matrix, MS=Masked Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applica	able to all LRI	Rs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)	_	Polyvalue Below Surface (S8) (LRR S, T,	U) 1 cm Muck (A9) (LRR O)
	pipedon (A2)	-	Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
	stic (A3)	_	Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
	n Sulfide (A4)	_	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
	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 Mu	cky Mineral (A7) (LR	R P, T, U) _	Depleted Dark Surface (F7)	Red Parent Material (TF2)
	esence (A8) (LRR U)	-	Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
	ck (A9) <b>(LRR P, T)</b> Below Dark Surface	(011)	Marl (F10) (LRR U)	Other (Explain in Remarks)
	rk Surface (A12)	(ATT) _	Depleted Ochric (F11) (MLRA 151)	- 3
	airie Redox (A16) (M	I RA 150A)	<ul><li>Iron-Manganese Masses (F12) (LRR O, P,</li><li>Umbric Surface (F13) (LRR P, T, U)</li></ul>	
Sandy M	ucky Mineral (S1) (LI	RROS)	Delta Ochric (F17) (MLRA 151)	wetland hydrology must be present,
	leyed Matrix (S4)	0, 0, _	Reduced Vertic (F18) (MLRA 150A, 150B)	unless disturbed or problematic.
	edox (S5)	-	Piedmont Floodplain Soils (F19) (MLRA 14	
	Matrix (S6)	1.	Anomalous Bright Loamy Soils (F20) (MLR	RA 149A 153C 153D)
Dark Sur	face (S7) (LRR P, S,	T, U)		1700, 1000, 1000,
Restrictive L	ayer (if observed):			
Type:				
Depth (inc	hes):			Hydric Soll Present? Yes No
Remarks:				
				8
				*
				. *



Wetland data point wsup016e\_w facing northeast.



Wetland data point wsup016e\_w facing southeast.

Photo Sheet 1 of 3

Project/Site: ACP	City/County: SCNS-801K Sampling Date: (0/29/15
Applicant/Owner: Dominion	State: VA Sampling Point: Wsup0(6f_w
0	Section, Township, Range: NA
	occion, romanip, realige.
Subregion (LRR or MLRA): LRR \ Lat: 36,7	Local relief (concave, convex, none): COCAVE Slope (%): O-Z  Datum: W6584
Soil Map Unit Name: Tetotum fine Sordy 100m,	
Are climatic / hydrologic conditions on the site typical for this time of ye	the state of the s
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrology naturally pro	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	sampling point locations, transects, important features, etc.
Hudesphalis Venetalise Beneat	
Hydrophytic Vegetation Present?  Hydric Soil Present?  Yes  No  Yes	Is the Sampled Area
Wetland Hydrology Present? Yes No	within a Wetland? Yes No
Remarks:	
NCWAM: Riverine Swomp forest	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13	
High Water Table (A2)  Marl Deposits (B15)	
Saturation (A3) Hydrogen Sulfide O	- 1
	eres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduce	
Drift Deposits (B3) Recent Iron Reduct Algal Mat or Crust (B4) Thin Muck Surface	ion in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
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? YesNo Depth (inches):	N*
Water Table Present? YesNo Depth (inches):	
Saturation Present? Yes No Depth (inches):	SUTFACE   Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos	s, previous inspections), if available:
Remarks: Buttressed trees	
	8

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

	W5U	001	bf-w
Sampling	Point:	70.	

- 2,CI V 2 2 64	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 2084 X 3084)	% Cover	Species?		Number of Dominant Species
1. Liquidambor Styracifluo	15	/	FAC	That Are OBL, FACW, or FAC:(A)
2. Acer rubrum	20	<u> </u>	FAC	Total Number of Damin ant
3. Nyssa sylvatica	10	Y	FAC	Total Number of Dominant Species Across All Strata:  (B)
4.	ENGLISHED SELECTION	-		Species Across All Citata.
				Percent of Dominant Species That Are ORL FACW or FAC: (OC)
5				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				A control to the control of the cont
8				Total % Cover of:Multiply by:
	45	= Total Cov	er_	OBL species x 1 =
50% of total cover: 22.	5 20% of	total cover	. 9	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 308+ X20F+)		10141 00701		FAC species x 3 =
1. Liquidambor Styraciflya	<	Y	EAC	FACU species x 4 =
				UPL species x 5 =
2				
3				Column Totals: (A) (B)
4				Prevalence Index = B/A =
5				
6				Hydrophytic Vegetation Indicators:
6				1 Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.01
	_5_	= Total Cov	er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 2,	20% of	total cover:		
Herb Stratum (Plot size: 306+ X308+)				1
1. Phragmites australis	5	N	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Microstegium vimineum	50	1	FAC	
9				Definitions of Four Vegetation Strata:
3				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6.				Saulta at Shareh Nova da alama da anda
				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				than 5 in. DBH and greater than 5.20 it (1 in) tail.
8				Herb - All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11			***************************************	height.
12				
	55.	= Total Cov		
500 4444 27 6		- TOTAL COV	1 /	
50% of total cover: 27, 5	20% of	total cover:		
Woody Vine Stratum (Plot size: 308+ X30F+)	,	\ /		
1. Smilax rotundifolia	_5_	7	FAC	±
2			V-0-7	
3				
4				
5	_			Hydrophytic
	:	Total Cov	er .	Vegetation
50% of total cover: 2.5	20% of	total cover:		Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
, , , , , , , , , , , , , , , , , , ,				
*				
				-7
				`

Sampling Point: \_\_\_\_

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth Matrix		Features				3.70		
(inches) Color (moist) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-5 104R2/1 100					SL			
5-20 2,345/2 95	7,54R4/6	5	C	M	Sond			
/								
Type: C=Concentration, D=Depletion, RM:	=Reduced Matrix, MS	=Masked	Sand Gra	ains -	2l ocation: PI =	Pore Lining, M=Matrix.		
Hydric Soil Indicators: (Applicable to all	LRRs, unless other	wise note	d.)	21113.		roblematic Hydric Soils <sup>3</sup> :		
Histosol (A1)	Polyvalue Bel			RRS T III		(A9) (LRR O)		
Histic Epipedon (A2)	Thin Dark Sur					(A10) (LRR S)		
Black Histic (A3)	Loamy Mucky					ertic (F18) (outside MLRA 150A,B)		
Hydrogen Sulfide (A4)	Loamy Gleyed	d Matrix (F	2)			oodplain Soils (F19) (LRR P, S, T)		
Stratified Layers (A5)	Depleted Matr					Bright Loamy Soils (F20)		
Organic Bodies (A6) (LRR P, T, U)	Redox Dark S				(MLRA 15			
5 cm Mucky Mineral (A7) (LRR P, T, U)						Material (TF2)		
Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T)	Redox Depres		)			w Dark Surface (TF12)		
Depleted Below Dark Surface (A11)	Marl (F10) (LF Depleted Och		MIDA 45	41	Other (Expla	nin in Remarks)		
Thick Dark Surface (A12)	Iron-Mangane				3 Indicators	of hydrophytic vegetation and		
Coast Prairie Redox (A16) (MLRA 150A	Umbric Surfac				•	nydrology must be present,		
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochric (					sturbed or problematic.		
Sandy Gleyed Matrix (S4)	Reduced Verti	ic (F18) (N	ILRA 150	DA, 150B)		•		
Sandy Redox (S5)	Piedmont Floo							
Stripped Matrix (S6)	Anomalous Br	ight Loam	y Soils (F	20) (MLRA	149A, 153C, 153E	D)		
Dark Surface (S7) (LRR P, S, T, U)			anna Sara					
Restrictive Layer (if observed):								
Type:	-							
Depth (inches):					Hydric Soil Press	ent? Yes No		
Remarks:				•				



Wetland data point wsup016f\_w facing northeast.



Wetland data point wsup016f\_w facing south.

Photo Sheet 2 of 3

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

Project/Site: ACP City/County: SUBFOIK Sampling Date: 10/29/15
-/T 0 - 11 11 15 00 110 121
Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): CONVEX Slope (%): 2-4
Subregion (LRR or MLRA): LRRT Lat: 36,79463 Long: -76,56562 Datum: W65 &
Soil Map Unit Name: Tet Otum Sine Sondy Warn, 2-690 SIDRES NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?
A Maradalla Collinsia
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
The state of the s
Hydrophytic Vegetation Present? Yes No Is the Sampled Area
Hydric Soil Present?  Yes No Visite a Western Co.
Wetland Hydrology Present? Yes No within a Wetland? Yes No No
Remarks:
HYDROLOGY
Wetland Hydrology Indicators:  Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)  Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10)
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 LI)
Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U)  Field Observations:
Surface Water Present? Yes NoDepth (inches): NA
Water Table Present?  Yes No Depth (inches):
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Demode
Remarks:

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

Sampling Point: WSup016\_W

2001/0-61	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 3084 X 3084)	% Cover	Species?	Status	Number of Dominant Species
1. Sassabras albidum	15	Α	FACU	That Are OBL, FACW, or FAC: (A)
2. QUERCUS rubra	5	Α	FACU	Total Number of Berriand
3. TIEX OPOLO	5	Y	FAC	Total Number of Dominant Species Across All Strata:  (B)
4	0.5-827-0.9-25-9-0-5			1-7
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50/ (A/B)
6				That Are OBL, FACW, or FAC: (A/B)
7				Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
0	19			OBL species x 1 = O
50% of total cover: 12	5	= Total Cov	er 5	FACW species x 2 =
	20% of	total cover		FAC species 19 x3 = 57
Sapling/Shrub Stratum (Plot size: 30F+ X 30F+)	10	V	cn.	FACU species ZD x4= 80
1. Lightrum sinense 2. Pinus tarda	10	1	FAC	UPL species x5 =
2. PINOS FARMON	d	N	FAC	Column Totals: 3 9 (A) 137 (B)
3. NUSSO SUVANICA	2	N	FAC	Column Totals: (A) (B)
4				Prevalence Index = B/A = 3.51
5		21 1 21 4 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1		Hydrophytic Vegetation Indicators:
6				
7				1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
	14	= Total Cov		3 - Prevalence Index is ≤3.01
50% of total cover:				Problematic Hydrophytic Vegetation¹ (Explain)
	20% of	total cover	2.0	
Herb Stratum (Plot size: 2054 X 3054)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. None Present				be present, unless disturbed or problematic.
2				Definitions of Four Vegetation Strata:
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6		24.166.7971-90		SaplIng/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				
9				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10				or size, and woody plants less than 5.26 it tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12				
	=	Total Cov	er	
50% of total cover:	_ 20% of	total cover:		
Woody Vine Stratum (Plot size: 30F+ K30F+)				
1. none				
2				#
3			80-079 DOG 81-1	9
4				
5				Understo
	0	Total Cove	er e	Hydrophytic Vegetation
50% of total cover:				Present? Yes NoX
Remarks: (If observed, list morphological adaptations below		otal cover.		
Trainants. (Il observed, list morphological adaptations below	٧).			

Sampling Point: WSup 016\_u

Depth		to the depth	needed to document the Indicator or confirm	m the absence of Indicators.)
(inches)	Matrix Color (moist)	%	Redox Features  Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
0-8	2.544/2	100		Fine Sond
8-211	2.564/3	100		Fine Sond
- 00	20113	100		0 110 30.0
¹Type: C=C	oncentration D=Deni	etion RM=F	Reduced Matrix, MS=Masked Sand Grains.	2) continue DI - Doro Lining Manhatric
			RRs, unless otherwise noted.)	<sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Below Surface (S8) (LRR S, T,	
	pipedon (A2)		Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
	istic (A3)		Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
	d Layers (A5)	T 10	Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
	Bodies (A6) (LRR P, icky Mineral (A7) (LR		Redox Dark Surface (F6) Depleted Dark Surface (F7)	(MLRA 153B)
	esence (A8) (LRR U)		Redox Depressions (F8)	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
	ick (A9) (LRR P, T)	5	Marl (F10) (LRR U)	Other (Explain in Remarks)
	d Below Dark Surface	(A11)	Depleted Ochric (F11) (MLRA 151)	
	ark Surface (A12)		Iron-Manganese Masses (F12) (LRR O, P,	T) Indicators of hydrophytic vegetation and
	rairie Redox (A16) (M			wetland hydrology must be present,
	Mucky Mineral (S1) (L	RR O, S)	Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
	Bleyed Matrix (S4) ledox (S5)		Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 14	
	Matrix (S6)		Anomalous Bright Loamy Soils (F20) (MLRA 12	
	rface (S7) (LRR P, S,	, T, U)	/ stortalous Bright Edutify Colls (1 20) (MEI)	1730, 1330, 1330)
	Layer (if observed):			
Туре:			_	
Depth (inc	ches):		_	Hydric Soil Present? Yes No
Remarks:				



Upland data point wsup016\_u facing northwest.



Upland data point wsup016\_u facing southwest.

Photo Sheet 3 of 3

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

Project/Site: Atlantic Coast Pipeline		City/C	county: City of Suffolk		Sampling Date: 2/26/2016	
Applicant/Owner: DOMINION		City/County: City of Suffolk Sampling Date: 2/26/20 State: VA Sampling Point: wsuc11				
••		Section	on, Township, Range:			
Landform (hillslope, terrace, etc.): Floodpla						
Subregion (LRR or MLRA): T		1 at: 36.79527715	Long:	-76.55484209	Olope (70):	
Soil Map Unit Name: Bohicket silty clay loa	am	Lai	Long	NIV/I alaasifi	ication: E1UBL, E2EM1P	
		this times of warm N	_			
Are climatic / hydrologic conditions on the						
Are Vegetation, Soil, or Hy						
Are Vegetation, Soil, or Hy	drology	naturally problema	atic? (If needed,	explain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS – Atta	ch site ma	ap showing sam	pling point locati	ons, transects	s, important features, etc.	
Hydrophytic Vegetation Present?	Yes 🗸	No	la dia Cananta d'Anna			
Hydric Soil Present?		No	Is the Sampled Area within a Wetland?		No	
Wetland Hydrology Present?	Yes 🔽	No	within a wettand?	163		
Remarks: Wetland within the floodplain of a river						
HYDROLOGY						
Wetland Hydrology Indicators:				Secondary Indic	cators (minimum of two required)	
Primary Indicators (minimum of one is red	guired; check	all that apply)		Surface Soi	<u> </u>	
Surface Water (A1)		atic Fauna (B13)		· · · · · · · · · · · · · · · · · · ·	egetated Concave Surface (B8)	
✓ High Water Table (A2)		Deposits (B15) (LRF	R U)		atterns (B10)	
✓ Saturation (A3)		rogen Sulfide Odor (0		Moss Trim I		
Water Marks (B1)	Oxid	ized Rhizospheres a	long Living Roots (C3)	Dry-Season	Water Table (C2)	
Sediment Deposits (B2)		ence of Reduced Iro		Crayfish Bu		
Drift Deposits (B3)		ent Iron Reduction in	Tilled Soils (C6)			
Algal Mat or Crust (B4)		Muck Surface (C7)	ra)	✓ Geomorphic		
Iron Deposits (B5) Inundation Visible on Aerial Imagery		er (Explain in Remark	as)	Shallow Aque ✓ FAC-Neutra		
Water-Stained Leaves (B9)	(67)				moss (D8) <b>(LRR T, U)</b>	
Field Observations:				<u> </u>		
	No _ 🗸	Depth (inches):				
		Depth (inches): 6				
		Depth (inches): 0	Wetland	Hydrology Prese	ent? Yes <u>/</u> No	
(includes capillary fringe)  Describe Recorded Data (stream gauge,	monitoring w	all aerial nhotos nre	vious inspections) if a	vailahle:		
Describe Necorded Data (Stream gauge,	monitoring w	cii, acriai priotos, pre	vious irispections), ii av	diable.		
Remarks:						
Wetland hydrology present						

20	Absolute	Dominant I	ndicator	Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Number of Dominant Species	
1				That Are OBL, FACW, or FAC:	(A)
2					
3.				Total Number of Dominant Species Across All Strata: 1	(D)
				Species Across All Strata:	(B)
4				Percent of Dominant Species	
5				' 100	(A/B)
6					
7				Prevalence Index worksheet:	
				Total % Cover of: Multiply by:	_
8	0			OBL species90 x 1 =90	
0		= Total Cove		FACW species0	_
50% of total cover:0	20% o	f total cover: _	0		-
Sapling/Shrub Stratum (Plot size:)				FAC species	-
1				FACU species x 4 =	_
				UPL species0 x 5 =0	
2				Column Totals: 90 (A) 90	(B)
3				Column Totals (A)	_ (D)
4				Prevalence Index = B/A =1	
5				Trevalence index Birt	
				Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegetation	
7				✓ 2 - Dominance Test is >50%	
8				3 - Prevalence Index is ≤3.0 <sup>1</sup>	
	0	= Total Cove	r		
50% of total cover:0			_	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain	1)
F	20% 0	f total cover:			
Herb Stratum (Plot size:5				<sup>1</sup> Indicators of hydric soil and wetland hydrology m	ust
1. Schoenoplectus pungens	80	Yes	OBL	be present, unless disturbed or problematic.	
Juncus effusus	10	No	OBL	Definitions of Four Vegetation Strata:	
3				Tree – Woody plants, excluding vines, 3 in. (7.6 c	
4				more in diameter at breast height (DBH), regardle	ss of
5				height.	
6				Sapling/Shrub – Woody plants, excluding vines,	locc
				than 3 in. DBH and greater than 3.28 ft (1 m) tall.	1633
7				and o m. bbit and groater than 6.20 it (1 m) tail.	
8				Herb – All herbaceous (non-woody) plants, regard	dless
9				of size, and woody plants less than 3.28 ft tall.	
10				Was decided. All was always as a market when 0.004	a :
				<b>Woody vine</b> – All woody vines greater than 3.28 f	πın
11				height.	
12					
	90	= Total Cove	r		
50% of total cover: 45	20% o	f total cover:	18		
Woody Vine Stratum (Plot size: 30 )		_			
<u> </u>					
1					
2					
3					
4					
5				Hydrophytic	
	0	= Total Cove		Vegetation Present? Yes No	
50% of total cover:0	20% o	f total cover: _	0	Present? Yes No	
Remarks: (If observed, list morphological adaptations below	w)				
Tremaine. (Il obbervea, list morphological adaptations belo	···).				

SOIL Sampling Point: wsuc112e\_w

Depth	Matrix		Redox	K Features						
inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
0-18	10 YR 3/2						SCL	Mucky mir	neral	
						·				
	oncentration, D=Deple Indicators: (Applica					nins.			ining, M=Matrix matic Hydric \$	
Histosol	` '		Polyvalue Bel						•	
	pipedon (A2)		Thin Dark Su					luck (A10) (		U DA 450A
_	istic (A3) en Sulfide (A4)		<ul><li>Loamy Mucky</li><li>Loamy Gleye</li></ul>			0)			(18) <b>(outside N</b> ain Soils (F19)	
	d Layers (A5)		Depleted Mat		2)		<del></del>		Loamy Soils (F	•
	Bodies (A6) (LRR P,	T, U)	Redox Dark S		3)			RA 153B)	, , , , , , ,	-,
	ucky Mineral (A7) <b>(LR</b>		Depleted Dar					arent Mater		
<del>-</del>	resence (A8) (LRR U)		Redox Depre	•	)		-		Surface (TF1:	2)
_	uck (A9) <b>(LRR P, T)</b> d Below Dark Surface	(Δ11)	Marl (F10) <b>(L</b> l Depleted Och		MI DA 15	:1)	Other (	Explain in I	Remarks)	
	ark Surface (A12)	(7.11)	Iron-Mangane				) <sup>3</sup> Indic	ators of hyd	drophytic veget	ation and
=	rairie Redox (A16) <b>(M</b>	LRA 150A)	Umbric Surfa					-	ogy must be pr	
-	Mucky Mineral (S1) <b>(L</b> l	RR O, S)	Delta Ochric				unle	ess disturbe	d or problemat	ic.
	Gleyed Matrix (S4)		Reduced Ver				• • • • • • • • • • • • • • • • • • • •			
	Redox (S5) I Matrix (S6)		<ul><li>Piedmont Flo</li><li>Anomalous B</li></ul>					153D)		
	rface (S7) <b>(LRR P, S,</b>	T, U)	Anomalous D	ngni Loan	iy Oolis (i	20) (MEIKA	1737, 1330	, 1330)		
	Layer (if observed):	•								
Type:			_							
Depth (in	ches):		_				Hydric Soil	Present?	Yes	No
emarks:						I				
dric soil pr	esent									



Photo 1
Wetland data point WSUC112e\_w facing north



Photo 2
Wetland data point WSUC112e\_w facing south

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

Project/Site: Atlantic Coast Pipeline		City/0	County: City of Suffolk		Sampling Date: 2/26/2016
Applicant/Owner: DOMINION			,	State: VA	Sampling Date: 2/26/2016 Sampling Point: wsuc112_u
Investigator(s): Team C			on, Township, Range: N		
Landform (hillslope, terrace, etc.): Hill s					
					Datum: WGS 1984
Soil Map Unit Name: Bohicket silty clay		at	Long		
Are climatic / hydrologic conditions on the		time of year?			
Are Vegetation, Soil, or					
Are Vegetation, Soil, or	-			explain any answe	
SUMMARY OF FINDINGS - A	ttach site map s	showing sar	npling point location	ons, transects	s, important features, etc.
Hydrophytic Vegetation Present?	Yes No		Is the Sampled Area		
Hydric Soil Present?	Yes No		within a Wetland?	Yes	No 🗸
Wetland Hydrology Present?	Yes No		within a Wetland:	163	
HYDROLOGY					
Wetland Hydrology Indicators:					ators (minimum of two required)
Primary Indicators (minimum of one is	-			Surface Soil	
Surface Water (A1)	Aquatic F		D !!\		egetated Concave Surface (B8)
High Water Table (A2) Saturation (A3)		osits (B15) <b>(LR</b> n Sulfide Odor (		Drainage Pa	atterns (B10)
Water Marks (B1)			along Living Roots (C3)		Water Table (C2)
Sediment Deposits (B2)		of Reduced Iro		Crayfish Bu	
Drift Deposits (B3)			n Tilled Soils (C6)		/isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		k Surface (C7)	,		Position (D2)
Iron Deposits (B5)		xplain in Remar	ks)	Shallow Aqu	uitard (D3)
Inundation Visible on Aerial Image	ery (B7)			FAC-Neutra	l Test (D5)
Water-Stained Leaves (B9)				Sphagnum ı	moss (D8) <b>(LRR T, U)</b>
Field Observations:	,				
	No 🔽 Dep				
	No 🖍 Dep	, ,			
Saturation Present? Yes (includes capillary fringe)	No <u> </u>	th (inches):	Wetland	Hydrology Prese	nt? Yes No
Describe Recorded Data (stream gaug	ge, monitoring well, a	erial photos, pre	evious inspections), if ava	ailable:	
Remarks:					
No hydrology indicators present					

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)		Species?	Status	Number of Dominant Species
1. Quercus falcata	60	Yes	FACU	That Are OBL, FACW, or FAC:1 (A)
2. Quercus nigra	10	No	FAC	T
3.				Total Number of Dominant Species Across All Strata:2 (B)
4.				(b)
_				Percent of Dominant Species That Are ORL FACW or FAC: 50 (A/R)
· · · · · · · · · · · · · · · · · · ·				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8				OBL species0 x 1 =0
0.5	70	= Total Cov		
50% of total cover:35	20% of	total cover:	14	FACW species x 2 = 150
Sapling/Shrub Stratum (Plot size:)				FAC species x 3 =
1				FACU species x 4 =
2.				UPL species x 5 =
3.				Column Totals:110
				2.54
				Prevalence Index = B/A =3.54
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				3 - Prevalence Index is ≤3.0 <sup>1</sup>
	0	= Total Cov	er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	20% of	total cover:	0	Troblemade Trydrophlydd Vogetadon (Explain)
Herb Stratum (Plot size: 5 )	_			The disease of heads and seed on the selection of the sel
. lley onaca	40	Yes	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
···				·
2.				Definitions of Four Vegetation Strata:
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5				height.
6				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.				Herb – All herbaceous (non-woody) plants, regardless
9.				of size, and woody plants less than 3.28 ft tall.
10.				
				<b>Woody vine</b> – All woody vines greater than 3.28 ft in
11				height.
12	40			
20		= Total Cov	_	
50% of total cover: $\frac{20}{100}$	20% of	total cover:	8	
Woody Vine Stratum (Plot size:)				
1				
2				
3.				
4.				
5.				
5	0			Hydrophytic Vegetation
50% of total cover: 0		= Total Cov	^	Present? Yes No
30 % of total cover.		total cover:		
Remarks: (If observed, list morphological adaptations below	w).			

SOIL Sampling Point: wsuc112\_u

Depth (inches)	Matrix	•		x Feature			the absence of in	,	
	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
8-0	10 YR 3/3	100					SL		
8-18	2.5 Y 6/3	100					S		
		· <del></del> -		-					_
		· <del></del> -							
		· <del></del> -		-					
		· <del></del> -							
		. ——— —							
1		<del></del>							
	oncentration, D=Dep Indicators: (Application)					ains.		Pore Lining, M=Mate Problematic Hydric	
-		able to all L				DD C T II		-	Solis .
Histosol	pipedon (A2)		Polyvalue Be Thin Dark Su					(A9) <b>(LRR 0)</b> (A10) <b>(LRR S)</b>	
	istic (A3)		Loamy Muck					ertic (F18) (outside	MLRA 150A.B)
· <del></del>	en Sulfide (A4)		Loamy Gleye	-		-,		loodplain Soils (F19	
	d Layers (A5)		Depleted Ma		,			Bright Loamy Soils	
Organic	Bodies (A6) (LRR P	, T, U)	Redox Dark	Surface (F	<del>-</del> 6)		(MLRA 1		
5 cm Mi	ucky Mineral (A7) <b>(LR</b>	RR P, T, U)	Depleted Da	rk Surface	(F7)			Material (TF2)	
	resence (A8) (LRR U	)	Redox Depre		8)			w Dark Surface (TF	12)
	uck (A9) (LRR P, T)	(4.4.1)	Marl (F10) <b>(L</b>				Other (Expl	ain in Remarks)	
	d Below Dark Surface	e (A11)	Depleted Oc				<b>T)</b> 31	و من مناه و ما مو ما مو ما مو	
	ark Surface (A12) <sup>P</sup> rairie Redox (A16) <b>(N</b>	AI DA 150A)	Iron-Mangan Umbric Surfa					of hydrophytic vege hydrology must be p	
	Mucky Mineral (S1) <b>(L</b>		Delta Ochric			, 0)		isturbed or problem	
-	Gleyed Matrix (S4)	0, 0,	Reduced Ve			0A. 150B)	dilicoo d	otarbea or problem	3110.
	Redox (S5)		Piedmont Flo				9A)		
-	d Matrix (S6)						A 149A, 153C, 153	D)	
Dark Su	ırface (S7) (LRR P, S	i, T, U)							
Restrictive	Layer (if observed):								
Type:			<u> </u>						
Depth (in	ches):						Hydric Soil Pres	ent? Yes	No
Remarks:									
No hydric soi	l present								



Photo 1 Upland data point WSUC112\_u facing south



Photo 2 Upland data point WSUC112\_u facing north

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

Project/Site: A CP	City/County: SUFFOIK CO. Sampling Date: 9/8/16
Applicant/Owner: Dominion	State: VA Sampling Point: WSuo 043e-W
Investigator(s): ESI LP, LJ	Section, Township, Range: NONE
Landform (hillslope, terrace, etc.): +errace	Local relief (concave, convex, none): flat Slope (%): 0 -2'/.
Subregion (LRR or MLRA): LRRT Lat: 3	66. 7899 Long: - 16.5590 Datum: W63.09
Soil Map Unit Name: Tomotley loam	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time	of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology signific	
Are Vegetation Soil, or Hydrology natura	에서 하게 살아보는 것이 되면 사람들이 되었다면 보고 있다면 보고 있다면 보고 있다면 보고 있다면 보고 있다면 보고 있다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었
SUMMARY OF FINDINGS - Attach site map show	wing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes   No   No   No   No   No   No   No   N	within a Wetland? Yes No
HYDROLOGŸ	
	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that a	
Surface Water (A1)  Aquatic Faun	Curface (RR)
P	s (B15) (LRR U) Drainage Patterns (B10)
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Ifide Odor (C1) Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhiz	cospheres along Living Roots (C3) Dry-Season Water Table (C2)
	Reduced Iron (C4)  Crayfish Burrows (C8)  Reduction in Tilled Soils (C6)  Saturation Visible on Aerial Imagery (C9)
	T - (100)
Algal Mat or Crust (B4)  Thin Muck Su	
☐ Iron Deposits (B5) ☐ Other (Explain Inundation Visible on Aerial Imagery (B7)	n in Remarks) Shallow Aquitard (U3)  FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	And the state of t
Surface Water Present? Yes No 🗡 Depth (in	nches): N/A
Water Table Present? Yes No X Depth (in	nches): > 12
Saturation Present? Yes X No Depth (in	
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if available:
State the second second second second	A STATE OF THE STA
Remarks: Could not auger past 12 in	ches due to compaction
Could not auger pass	

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

Control of the Contro	Absolute Dominant Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30 × 30 ++ )</u> 1. <u>NONE</u>	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2		Total Number of Dominant Species Across All Strata:  (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: 751/(A/B)
6.		Prevalence Index worksheet:
7.	a total and the second	Total % Cover of: Multiply by:
8.		The state of the s
	= Total Cover	OBL species x 1 =
50% of total cover:	20% of total cover:	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 × 30 f+)		FAC species x 3 =
1. none		FACU species x 4 =
2		UPL species x 5 =
3.	YOU AND THE TREATMENT OF THE PROPERTY OF THE P	Column Totals: (A) (B)
TO NOT THE THE PARTY OF THE PAR		B
4		Prevalence Index = B/A =
5.		Hydrophytic Vegetation Indicators:
_	하게 보통하다 생각을 들어가 있다면 경험하는 그렇게 가능하다면 그래요? 그렇게 하는 것 같은 그 전에 가는 것 같습니다.	1 - Rapid Test for Hydrophytic Vegetation
		2 - Dominance Test is >50%
	6	3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	20% of total cover:	
Herb Stratum (Plot size: 30 x 304+)	2 - 11 -12011	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Lespedeza Coneata		be present, unless disturbed or problematic.
2. Junious PFFUSUS		Definitions of Four Vegetation Strata:
3. Arundinaria aigantea	15 N FACW	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Dichanthelium auminati	m20 Y FAC	more in diameter at breast height (DBH), regardless of
5. Eupatorium capillifolium		height.
6. FUBUS AYAUTUS	The state of the s	Sapling/Shrub - Woody plants, excluding vines, less
7. Paspalum dissectum		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
SON NORMAN AND AND AND AND AND AND AND AND AND A	6 교육(18 GP, 18 Langer) (2. ) 전투	
8.		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9.		
10.	Appropriate Charles and Control of the Control of t	Woody vine - All woody vines greater than 3.28 ft in
11.	The state of the s	height.
12		
	125 = Total Cover	BUCKERSON THE CONTROL OF THE CONTROL
50% of total cover: 6	1.5 20% of total cover: 25	
Woody Vine Stratum (Plot size: 30 x 30 ft)		
1. none	Land State Control of the Land	
	and the state of t	
	and the second of the second second	
Berger and the strategies while the property of the first of the strategies of the s		Hydrophytic Vegetation
5.	THE PARTY AND REAL PROPERTY AND ASSESSMENT OF THE PARTY O	
5.	= Total Cover	Present? Yes No
5.	= Total Cover 20% of total cover:	Present? Yes No No
5 50% of total cover:	20% of total cover:	Present? Yes No No
5.	20% of total cover:	Present? Yes No No
5 50% of total cover:	20% of total cover:	Present? Yes No No
5 50% of total cover:	20% of total cover:	Present? Yes No No
5 50% of total cover:	20% of total cover:	Present? Yes No No
5 50% of total cover:	20% of total cover:	Present? Yes No No
5 50% of total cover:	20% of total cover:	Present? Yes No No

Profile Desc	cription: (	Describe	to the der	th needed	to docum	ent the i	ndicator o	or confirm	the absence	of Indicators.)
Depth		Matrix				Features				
(inches)	Color	(moist)	_ %	Color	(moist)	%	Type1	Loc²	Texture	Remarks
1-3	IOYR	3/1	100						SL	
2 17	in the second columns of	MARINES, OFFITTING	90	Love	4/5	10	,	AA	51_	
5-16	JOYR	4/1	- 10	TOTE	7/2	10		101		
										Service of the Control of the Contro
										Real and a substitute of the equilibrium of
				THORNWAY NO. TO						The second secon
Services of Charles	101501110100			ON THE PARTY OF						
										Line in the case of the property of the property of the case of th
					Lillanns		sules in California			The second secon
<sup>1</sup> Type: C=C	oncentratio	n. D=Dep	letion, RM	=Reduced	Matrix, MS	=Masked	Sand Gra	ains.	<sup>2</sup> Location:	PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators	: (Applic	able to all	LRRs, un	less otherv	vise note	ed.)		TO THE RESERVE OF THE PARTY OF	for Problematic Hydric Soils <sup>3</sup> :
☐ Histosol					lyvalue Belo			RR S, T, U		Muck (A9) (LRR O)
C	pipedon (A	2)		☐ Th	in Dark Sur	face (S9)	(LRR S,	T, U)		Muck (A10) (LRR S)
2400 State Color C	istic (A3)			Lo	amy Mucky	Mineral	(F1) (LRR	(0)		ed Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (	(A4)		☐ Lo	amy Gleyed	Matrix (	F2)			iont Floodplain Soils (F19) (LRR P, S, T)
Stratifie	d Layers (A	N5)		1	epleted Matr				1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	alous Bright Loamy Soils (F20)
	Bodies (A			TOTAL PROPERTY.	edox Dark S					RA 153B)
11 march 11 m/2 of the part 17 miles (17 miles)	ucky Miner			LUMBO, THE DOMEST	epleted Dark					arent Material (TF2)
TV. Taken Telephonesia (ACC) (Co.)	resence (A	Mark Turk Turk To Service Sci.	J)		edox Depres		B)			Shallow Dark Surface (TF12) (Explain in Remarks)
	uck (A9) (L				arl (F10) (LF			-41	U Otner	(Explain in Remarks)
	d Below Da		e (A11)		epleted Och				T) <sup>3</sup> Indi	cators of hydrophytic vegetation and
	ark Surface			OF DATE OF STREET	n-Mangane				we we	tland hydrology must be present,
1/35 Table 1/350/6580/650/656/7/30/20	rairie Redo	BADTERS CHOOSEGNASSE		DESCRIPTION OF THE PERSON	mbric Surfac			, 0)		less disturbed or problematic.
	Mucky Mine		LKK U, S)		elta Ochric ( educed Vert			nA 150B)		Control of the Contro
	Gleyed Mat				edmont Floo					
11.00 M (0.00	Redox (S5)				eamont Flot	Jupiani	0113 (1 13)	furrice i-	70/1/	다른 경우 전 전 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		21		T Ar	nomalous Br	inht I na	my Soils (	F20) (MLR	A 149A, 1530	C. 153D)
F. A. STATE TO SERVICE STATE OF THE SERVICE STATE O	d Matrix (St		s T III	☐ Ar	nomalous Br	ight Loa	my Soils (	F20) (MLR	RA 149A, 1530	C, 153D)
Dark St	urface (S7)	(LRRP,		ıa 🔲	nomalous Br	ight Loa	my Soils (	F20) (MLR	RA 149A, 1530	C, 153D)
Dark St Restrictive	urface (S7)	(LRRP,		∏ Ar	nomalous Br	ight Loa	my Soils (	F20) (MLR	RA 149A, 1530	C, 153D)
Dark St Restrictive Type:	urface (S7) Layer (if o	(LRR P, bserved)		Ar	nomalous Bi	ight Loa	my Soils (	F20) (MLR		property of the control of the contr
Dark St Restrictive Type: Depth (in	urface (S7)	(LRR P, bserved)		1A	nomalous Bi	ight Loa	my Soils (	F20) (MLR		The state of the s
Dark St Restrictive Type:	urface (S7) Layer (if o	(LRR P, bserved)			nomalous Br	ight Loa	my Soils (	F20) (MLR		property of the control of the contr
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	property of the control of the contr
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No
Dark St Restrictive Type: Depth (in	urface (S7) Layer (if o	(LRR P,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nomalous Bi	ight Loa			Hydric So	Present? Yes No



Wetland data point wsuo043e\_w facing east.



Wetland data point wsuo043e\_w facing northeast.

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

Project/Site: ACP City/County: SUFFOIK Co Sampling Date: 9/8/16
Applicant/Owner:
Investigator(s): FST LF LT Section Township Range: NON-C.
Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): flat Slope (%): 0 = 3
Subregion (LRR or MLRA):
Subregion (LRR or MLRA): LPL Lat. SW. 1815 Long. PEO
Soil Map Unit Name: Tomotley loam NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation Soil, or Hydrology significantly disturbed?
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc
Hydrophytic Vegetation Present?  Hydric Soil Present?  Yes X No Is the Sampled Area  within a Wetland?  Yes X No Is the Sampled Area  within a Wetland?  Yes X No Is the Sampled Area
Remarks: Pain Within 24 hours
NCWAM: Hardwood Flat
HYDROLOGŸ
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: check all that apply)  Surface Soil Cracks (B6)
Surface Water (A1)  Aquatic Fauna (B13)  Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)  Marl Deposits (B15) (LRR U)  Drainage Patterns (B10)
Saturation (A3)  Hydrogen Sulfide Odor (C1)  Water Marks (B1)  Hydrogen Sulfide Odor (C1)  Dry-Season Water Table (C2)
To a second delivery (CO)
Drift Deposits (B3)  Algal Mat or Crust (B4)  Recent Iron Reduction in Tilled Soils (C6)  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 _X Depth (Inches):N/A
Water Table Present? Yes No Depth (inches): > 2_0
Saturation Present? Yes X No Depth (inches): SVY FACE Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
THE RESIDENCE OF THE PROPERTY
Remarks:
내가 있다면 하는 사람들이 되었다면 하는데
[20] 가지 않는 것이 되었다. 그는 사람들은 이 경기를 하고 있는 것이 되었다. 그는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은

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

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 304 x 304 )		Species?	have a managers reputation	Number of Dominant Species
1. Liquid ambar Styraciflua	20	yes	FAC	That Are OBL, FACW, or FAC:(A)
2. Pinus taeda	20	yes	and the street of the state of the	Total Number of Dominant
3. Acer rubrum	20	ues	FAC	Species Across All Strata: (B)
4. Prive B.		7		Percent of Dominant Species
5.				That Are OBL, FACW, or FAC: (A/B)
6.				
7.	town the sale			Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
A STATE OF THE PROPERTY OF THE	60	= Total Cov	er	OBL species x 1 =
50% of total cover: 30				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30f+ x 30f+)		total cove.		FAC species x 3 =
1. Liquetrum sinense	10	Y	FAC	FACU species x 4 =
THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS	E	~/	FAC	UPL species x 5 =
2. Pinus taeda	=	n/	FAC	Column Totals: (A) (B)
3. Liquidambar styraciflya	10	- V		
4. Acer rubrum	10		FAC	Prevalence Index = B/A =
5, and all of the second secon		CONTRACTOR	A CONTRACTOR	Hydrophytic Vegetation Indicators:
6.	A THE REAL PROPERTY.	Brand Cale	o de la companya	1 - Rapid Test for Hydrophytic Vegetation
7.		CALADER O		2 - Dominance Test is >50%
8.				3 - Prevalence Index is ≤3.0¹
	30	= Total Cov	er	Problematic Hydrophytic Vegetation (Explain)
50% of total cover: 15	20% of	total cover	6	
Herb Stratum (Plot size: 30F+ x 30F+)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Arundinaria gigantea	15	Y	FACH	be present, unless disturbed or problematic.
2. Dimundastrum cinnamomeur	010	Y	FACW	Definitions of Four Vegetation Strata:
3.				= 144 - 4 - 11
4.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
The second program of	SECTION AND PROPERTY.			height.
5.	Element of the last			a ti tot it the distants evaluding vines less
6.			The same of the same	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7.			medager (make)	
8.	A STATE FOR THE	TO COMPANY METATORS	10 14 10 10 10 10 10 10 10 10 10 10 10 10 10	Herb - All herbaceous (non-woody) plants, regardless
9.		The College of	1. 40.49 SATE	of size, and woody plants less than 3.28 ft tall.
10.		-11	2012/06/09	Woody vine - All woody vines greater than 3.28 ft in
11.				height.
12.			44.18.14.	
	25	= Total Cov	er	The state of the control of the state of the
50% of total cover: 12.5	20% of	total cover	5	
Woody Vine Stratum (Plot size: 30f+ x 30f+)				
1. NONE				
2000 Annatory a wear of the house of the facility of the faci			or year	
2,		- 100		
	100 TO 10	English compa	Total Control Control	
	TOTAL SERVICE	CRIMINATION	PARTERIAL ST. S.	
5. The second se	-	Lucino de la contraction de la	Section 12	Hydrophytic
	O	= Total Cov	er	Vegetation Present? Yes No
50% of total cover:	20% of	total cover		Present Tes
Remarks: (If observed, list morphological adaptations belo	w).			enconstant consequence respectively provide subjectively and sense respectively respectively. The sense is the sense of th
VI SEED LESS TOUR PROPERTY OF THE PROPERTY OF				

Profile Des	cription: (	Describe	to the dep	th needed	to docum	ent the	Indicator	or confirm	n the absence of i	indicators.)
Depth (inches)	Color	Matrix (moist)	%	Color (r	Redox noist)	Feature %		Loc²	Texture	Remarks
0-7	Seculation of the	3/2	Assembly the V	00:01					SL	
7-20	IOYE	Avenue Property of	90	IOYR	4/5	10	C	M	SL	
						A Gentler of	10.042		100 000 000 000 000 000 000 000 000 000	
				er framet i van gera ger kaldelik van de				Albana lan		
			204125	Action 1						CANCEL CONTRACTOR SECURITY
¹Type: C=C	oncentratio	n, D=Dep	letion, RM	Reduced N	Matrix, MS	=Maske	d Sand Gr	ains.	<sup>2</sup> Location: PL	=Pore Lining, M=Matrix.  Problematic Hydric Soils <sup>3</sup> :
Hydric Soil		: (Applic	able to all				ied.) ice (S8) (L	PRST		k (A9) (LRR O)
Histoso Histic E	ı (A1) pipedon (A	2)					(LRR S,		2 cm Muc	k (A10) (LRR S)
Black H	istic (A3)						(F1) (LRF	(0)	Reduced	Vertic (F18) (outside MLRA 150A,B) Floodplain Soils (F19) (LRR P, S, T)
	en Sulfide ( d Layers (A			CONTRACTOR AND ADDRESS OF THE PARTY OF THE P	my Gleye leted Mat		(F2)			us Bright Loamy Soils (F20)
	: Bodies (A		, T, U)	Rec	lox Dark S	Surface (			(MLRA	153B)
	ucky Miner				oleted Dar					nt Material (TF2) flow Dark Surface (TF12)
V Same Saleston area association	resence (A uck (A9) (L	RELATION AND TO PROGRESS OF THE	)		lox Depre		-8)			plain in Remarks)
	d Below Da		e (A11)	Dep Dep	oleted Och	nric (F11)	(MLRA 1			and the second second
	ark Surface			Charles Comment Company (Comment Comment Comme			ses (F12) ( (LRR P, T		P, T) Indicate	ors of hydrophytic vegetation and nd hydrology must be present,
	Prairie Redo Mucky Mine						LRA 151)	, 0,	unless	s disturbed or problematic.
Sandy	Gleyed Mat	trix (S4)		Red	duced Ver	tic (F18)	(MLRA 1			
	Redox (S5)						Soils (F19)		149A) RA 149A, 153C, 1	53D)
	d Matrix (St urface (S7)		s, T, U)	브灬	Maious L	ngni co	iniy cons (	. 20) (		
Restrictive										
Type:									Undele Sell B	resent? Yes No
TON LICENSE STATES AND PARTY.	nches):								Hydric Soil Fi	esercia de la companya de la company
Remarks:										
										Maria Carlo



Wetland data point wsuo043f\_w facing northeast.



Wetland data point wsuo043f\_w facing east.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region \_\_\_\_\_ City/County: SVFFOIK CO. Sampling Date: 9/8/16 Project/Site: \_ACP State: VA Sampling Point: WSUD 043\_W Applicant/Owner: Dominion Section, Township, Range: Nove. Investigator(s): ESI, LR, LJ Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): flat Slope (%): 0 -2 Subregion (LRR or MLRA): Lat: 36.78963 Long: -76.53412 Datum: W6584 NWI classification: N/A Soil Map Unit Name: Tomotley loam Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_\_ (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes X No\_ Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? (If needed, explain any answers in Remarks.) Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Yes No X Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Yes \_\_\_\_\_ No \_X\_\_ Rain within 24 hours, maintained powerline easement HYDROLOGY Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Surface Soil Cracks (B6) Primary Indicators (minimum of one is required; check all that apply) Sparsely Vegetated Concave Surface (B8) Aquatic Fauna (B13) Surface Water (A1) Drainage Patterns (B10)

Moss Trim Lines (B16)

Dry-Season Water Table (C2)

Crayfish Burrows (C8) High Water Table (A2) Marl Deposits (B15) (LRR U) Hydrogen Sulfide Odor (C1) Saturation (A3) Oxidized Rhizospheres along Living Roots (C3) Water Marks (B1) Presence of Reduced Iron (C4) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Algal Mat or Crust (B4) Thin Muck Surface (C7) Shallow Aguitard (D3) Other (Explain in Remarks) Iron Deposits (B5) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Sphagnum moss (D8) (LRR T, U) Water-Stained Leaves (B9) Field Observations: Yes \_\_\_\_ No \_X Depth (inches): N/A Surface Water Present? Yes No Depth (inches): >5 Water Table Present? Wetland Hydrology Present? Yes \_\_\_\_\_ No Yes \_\_\_\_ No \_X Depth (inches): > 5 Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: could not auger past 5 inches - road shoulder.

VEGETATION (Four Gradus)	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30F+ x 30F+	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2. 3.		Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC:
6.		
7.		Prevalence Index worksheet:  Total % Cover of: Multiply by:
		OBL species x1 =
	= Total Cover	FACW species 40 x2 = 80
	20% of total cover:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30ft x 30 (4)	5 Y OBL	FACU species 85 x4= 340
Salix nigra		UPL species x 5 =
		Column Totals: 130 (A) 425 (B)
		Prevalence Index = B/A = 3,27
5.		Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation
7.		2 - Dominance Test is >50%
3.		☐ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
	5 = Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
	5 20% of total cover:	
Herb Stratum (Plot size: 30 ft x 30 ft)		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
. Lespedeza cuneata		be present, unless disturbed or problematic.
Arundinaria gigantea	10 N FACEN	Definitions of Four Vegetation Strata:
Eupatorium capillifolium	15 N FACU	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
. Paspalum notatum		more in diameter at breast height (DBH), regardless of
Bidens frondosa	and desired the management of the state of t	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.
10.		Woody vine - All woody vines greater than 3.28 ft in
	CONTRACTOR OF THE PROPERTY OF	height.
	125 = Total Cover	and the same of th
50% of total cover: 62	.5 20% of total cover: 25	
Noody Vine Stratum (Plot size: 30 Ft x 30 Ft)		
. None		
	na etronomia varande aprocesativa. De l'antisticio No arres incomenta qual montralia contista de l'antisticio	
		Hydrophytic
	= Total Cover	Vegetation
50% of total cover:	20% of total cover:	Present? Yes No No
Remarks: (If observed, list morphological adaptations be	low).	and the second s
roadside		
ionoside		
	Line Hart and a second	

Profile Description: (Describe to the depth needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix Redox Features	
(inches) Color (moist) % Color (moist) % Type Loc2	CALCULATION OF THE PROPERTY OF
0-5 10YR 3/2 100	SL gravel layer
	A CONTROL OF THE CONT
	A CONTROL OF THE PROPERTY OF T
The second secon	CONTRACTOR OF THE PROPERTY OF
	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
· 선도는 선생님들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람	
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U)  Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5)  Depleted Matrix (F3)	Anomalous Bright Loamy Solls (F20) (MLRA 153B)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	Red Parent Material (TF2)
5 cm Mucky Mineral (A7) (LRR P, T, U)  Muck Presence (A8) (LRR U)  Depleted Dark Surface (F7)  Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151)	T) <sup>3</sup> Indicators of hydrophytic vegetation and
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P,	wetland hydrology must be present,
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4)  Reduced Vertic (F18) (MLRA 150A, 150B)	
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 14	
Stripped Matrix (S6)  Anomalous Bright Loamy Soils (F20) (MLR.	A 149A, 153C, 153D)
And probe the control of the control	
Dark Surface (S7) (LRR P, S, T, U)	The state of the s
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):	The second of th
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:	×
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):	Hydric Soil Present? Yes No



Upland data point wsuo043\_u facing east.



Upland data point wsuo043\_u facing north.

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

Project/Site: ACP	ity/County: SUSSUIS Sampling Date: 8/2/16
Applicant/Owner DOMINION	State: VA Sampling Point: WSU00 18 F-W
Investigator(s): EST-S, BYOO, 12, MURPHIES	ection Township Range: NA
Landform (hillslope, terrace, etc.): DeP(eSSign L	sol solid (conseque convex pane): (OO (AYE Slope (%): O-Z
Subregion (LRR or MLRA): LRRT Lat: 36 - 7	8625 Long: 76. 53272 Datum: W65 8
Soil Man Unit Name: TOMO +164 (OAM)	NWI classification: PFO
Son Wap Ont I varie	
Are climatic / hydrologic conditions on the site typical for this time of year	
Are Vegetation Soil, or Hydrology significantly d	isturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally prob	lematic? (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	Is the Sampled Area within a Wetland?  Yes No
Remarks: NCWAM: BOHOMIONS NOVEWOODS	Folest
HYDROLOGY	Secondary Indicators (minimum of two required)
Wetland Hydrology Indicators:	Secondary Indicators (1966)
Primary Indicators (minimum of one is required; check all that apply)	Control (Control (Con
Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Marl Deposits (B15)	: : : : : : : : : : : : : : : : : : :
Saturation (A3)  Hydrogen Sulfide Oct	kadigalan 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0
TO A STATE OF THE PARTY OF THE	res along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)  Presence of Reduce	d Iron (C4) Crayfish Burrows (C8)
Drift Deposits (B3)	
Algal Mat or Crust (B4) Thin Muck Surface (	C7) Geomorphic Position (D2)
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:	$N\Delta$
Surface Water Present? Yes No Depth (inches):	
Water Table Present? YesNo Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No No
Describe Recorded Data (stream gauge, monitoring well, aerial photos	, previous inspections), if available:
Powerland Control of the Control of	
Remarks:	
	AND THE RESERVE AND THE RESERV

0.1.100.01	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 308+X308+)  1. ACEY (NOTUM)	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2. Liquidambar Styraciflua	20 Y FAC	
3. Nyssa sylvatica	10 N FAC	Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC:
6.		Prevalence Index worksheet:
7.	AND THE RESERVE OF THE PROPERTY OF THE PROPERT	Total % Cover of: Multiply by:
8.	12	OBL species x 1 =
22	60 = Total Cover	FACW species x 2 =
50% of total cover: 30	20% of total cover:	○ ■ DST DEPENDENT DEPENDENT DEPENDENT DE DE LE SEACHER DE LE SECULION DE DES DE LE SECULION DE LE SECULIO
Sanling/Shruh Stratum (Plot size 30/4 X 30/4)		FAC species x 3 =
1. Liquidambar styracistua	5 Y FAC	FACU species x 4 =
1. 2/401/6041/62: - 5/1/60/01/01/01	PERMITTED TO SERVICE STATE OF THE SERVICE STATE OF	UPL species x 5 =
	TOTAL OF THE PROPERTY OF THE PROPERTY OF	Column Totals: (A) (B)
3	The Antonomic Control of Continue William Service Co. A Print Cont. Bell of Co.	Prevalence Index = B/A =
5.		Hydrophytic Vegetation Indicators:
6.		1 - Rapid Test for Hydrophytic Vegetation
7.		2 - Dominance Test is >50%
THE STATE OF THE PROPERTY OF T		
B. The state of th	The second secon	3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: 2.5	20% of total cover:	
Herb Stratum (Plot size: 304 X 3084) 1. JUNCUS REFUSUS	10 Y OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
- 1700年によった。1810年により、1910年によりにより、1910年によりによりによりによりによりによりによりによりによりによりによりによりによりに		Definitions of Four Vegetation Strata:
2. Control of the con		Deminions of Four Vegetation Charac
3. Process of April 100 Ethick a produced control of the grant of the angle of the	The second secon	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. 5.		more in diameter at breast height (DBH), regardless of height.
6.		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7		Herb – All herbaceous (non-woody) plants, regardless
9.		of size, and woody plants less than 3.28 ft tall.
10.		Woody vine – All woody vines greater than 3.28 ft in height.
12.		
	( C) = Total Cover	The state of the s
50% of total cover:5_	20% of total cover: 2	
2061 × 2061.	20 % of total cover	
Woody Vine Stratum (Plot size 3054 X 3054)	C W FAC	
1. Smilax roundirolia	5 / FAC	
2.	Complete Com	
3		
4 - The second control of the second	CONTRACTOR	
	The state of the s	Hydrophytic
	= Total Cover	Vegetation Present? Yes No
50% of total cover: 2.	20% of total cover:	Present? Yes No No
CASA DE LA CARLA DE LA CELLEGA DE LA CARLA DEL CARLA DEL CARLA DE LA CARLA DEL CARLA DEL CARLA DE LA CARLA DEL CARLA DE LA CARLA DE LA CARLA DE LA CARLA DEL CARLA	union to the transfer to the property of the transfer of the	AND THE PROPERTY OF THE PROPER
Remarks: (If observed, list morphological adaptations belo	w).	

epth	Matrix		n needed to docum Redox	Features			
ches)	Color (moist)	%	Color (moist)		ype' Loc²	<u>Texture</u>	Remarks
-8	104R 3/2	90	104R4/6	10_	C W	SL.	The state of the s
5-20	104R6/1	95	104R GH	_5_	C W	<u>SL</u>	
pe: C=Cidric Soil Histosol Histic Ep Black Hi Hydroge Stratified Organic 5 cm Mu Muck Pi 1 cm Mu Deplete Thick Di Coast P Sandy M Sandy F	oncentration, D=Depl Indicators: (Application) (A1) pipedon (A2) distic (A3) distic (A4) di Layers (A5) Bodies (A6) (LRR P, Lucky Mineral (A7) (LR resence (A8) (LRR U, Luck (A9) (LRR P, T) di Below Dark Surface ark Surface (A12) trairie Redox (A16) (Mucky Mineral (S1) (L Gleyed Matrix (S4) Redox (S5) di Matrix (S6)	Jetion, RM=I able to all L , T, U) RR P, T, U) ) e (A11)	RRs, unless other Polyvalue Bel Thin Dark Sur Loamy Mucky Loamy Gleyer Depleted Mate Redox Dark S Depleted Darl Redox Depre Marl (F10) (Li Depleted Och Iron-Mangane Umbric Surfar Delta Ochric Reduced Ver Piedmont Flo	wise noted.) ow Surface ( face (S9) (Li Mineral (F1) d Matrix (F2) rix (F3) surface (F6) k Surface (F7 ssions (F8) RR U) ric (F11) (ML see Masses ( ce (F13) (LR F17) (MLRA tic (F18) (ML odplain Soils	nd Grains.  S8) (LRR S, T, RR S, T, U) (LRR O)  (LRR O)  (LRR O, E R P, T, U) (LRR 151) (RA 150A, 150E (F19) (MLRA	U) 1 cm M 2 cm M Reduce Piedmo Anomal (MLR Red Pa Very St Other (I	PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :  uck (A9) (LRR O)  uck (A10) (LRR S)  id Vertic (F18) (outside MLRA 150A,B)  int Floodplain Soils (F19) (LRR P, S, T)  lous Bright Loamy Soils (F20)  A 153B)  rent Material (TF2)  nallow Dark Surface (TF12)  Explain in Remarks)  ators of hydrophytic vegetation and and hydrology must be present, ess disturbed or problematic.
Dark St	rface (S7) (LRR P, S Laver (if observed):						A TANK THE PARTY AND
Dark Sustrictive Type: Depth (in	urface (S7) (LRR P, S Layer (if observed): nches):					Hydric Soil	Present? Yes No
Dark Suestrictive Type: Depth (in	Layer (if observed):					Hydric Soll	Present? Yes No
Dark Sustrictive Type: Depth (in	Layer (if observed):					Hydric Soil	Present? Yes No No
Dark Suestrictive Type: Depth (in	Layer (if observed):					Hydric Soil	Present? Yes No
Dark Suestrictive Type:	Layer (if observed):					Hydric Soil	Present? Yes No No



Wetland data point wsuo018f \_w facing northeast.



Wetland data point wsuo018f\_w facing southeast.

WETLAND DETERMINATION DATA	FORM – Atlantic and Gulf Coastal Plain Region
Project/Site: A CP	City/County: MFFO K Sampling Date: 11/3/19
Applicant/Owner: DOMINION	State: VA Sampling Point: WSU0018e
	Section, Township, Range:
PAMOVIA O CAMPAN	
	Local relief (concave, convex, none): None Slope (%): 0-2
, ,	36. 784483 Long: -76, 520769 Datum: WGS 8
Soil Map Unit Name: Tochunta loam	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year	
Are Vegetation, Soil, or Hydrology significantly	100 C 200 P 100 P
Are Vegetation, Soil, or Hydrology naturally pro	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	to the Converted Asso
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No No
Wetland Hydrology Present? Yes No	within a Wetland? Yes No
Remarks:	
popuerline easement	0
101	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	
Surface Water (A1) Aquatic Fauna (B13	
High Water Table (A2)  Marl Deposits (B15)	
Saturation (A3) Hydrogen Sulfide O	
	neres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)  Presence of Reduce	
	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface	
Iron Deposits (B5) Other (Explain in Re	
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)	i):
Water Table Present? Yes No Depth (inches)	): <u> </u>
Saturation Present? Yes No Depth (inches)	s): Wetland Hydrology Present? YesX No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photo	os previous inspections) if available:
Describe Necolded Bata (alream gauge, memoring wen, action priore	se, previous inspections, it are note.
Remarks:	
19	

VEGETATION (F	our Strata) – L	Jse scientific	names of plants.

Sampling Point: \_\_\_\_

24.120.6	Absolute Dominant Indica	ator   Dominance Test worksheet:
Tree Stratum (Plot size: 30X90ft)	% Cover Species? Stat	
0000		TI 14 OF TACK
2		1 Total Halliber of Bolliniant
3		Species Across All Strata: (B)
4		-   D   1   1   1   1   1   1   1   1   1
5		I Percent of Dominant Species 4 N 11 /
4		That Ale Obl., PACW, of PAC.
6		Prevalence Index worksheet:
7		Total % Cover of:Multiply by:
8		
	= Total Cover	OBL species x 1 =
5004 of total amount	20% of total cover:	FACW species x 2 =
30% of total cover	20 % Of total cover	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 3UX367)		FACU species x 4 =
1. none		
2		UPL species x 5 =
		Column Totals: (A) (B)
3		_
4		
5		
6		
7		_
8		3 - Prevalence Index is ≤3.01
	= Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover:	20% of total cover:	
Herb Stratum (Plot size: 30x30 Ft)		
See le creune siconterino	20 N III	Indicators of hydric soil and wetland hydrology must
1. Saccharum giganteum	45	be present, unless disturbed or problematic.
2. Arundinaria gigantea	40 Y FAC	Definitions of Four Vegetation Strata:
3. Rhexia sp.	5 N FAC	Will Tree Woods plants evaluding sines 3 in (7.6 cm) or
4 Carox (Cp.	5 N FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5. Panicum virgatum	30 Y FAC	
6. Cetaria pumila	10 N FA	- Cupining/Cinab vicoa) plants, excitating three, less
7. Jun CUS effusus	40 V OP	than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.		
		<ul> <li>Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.</li> </ul>
9		
10		- Woody vine - All woody vines greater than 3.28 ft in
11		
12		
	150 = Total Cover	
71	= Total Cover	
50% of total cover: 7	20% of total cover: 30	_
Woody Vine Stratum (Plot size: 30 × 30 T1)		
1. none		
2		-
3		_
4		
5.	MANAGEMENT & COLUMN AND LOSS AND A STATE OF THE STATE OF	Undenhatio
·	() = Total Cover	- Hydrophytic Vegetation
	1000100101	Present? Yes No No
50% of total cover:	20% of total cover:	
Remarks: (If observed, list morphological adaptations bel	aw)	
	017).	
	J. 17.	
	,.	
	,.	
	,.	
	,.	
	,.	

wsus018e_w	5
Sampling Point:	

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confi	irm the absence of Indicators.)
Depth Matrix Redox Features	_
(inches) Color (moist) % Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
0-0 104K21 100	<u> </u>
0-20 104RD1 95 104R5/4 5 C PL	C
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T	
Histic Epipedon (A2)  Thin Dark Surface (S9) (LRR S, T, U)	2 cm Muck (A10) (LRR S)
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Stratified Layers (A5) Depleted Matrix (F3)	Anomalous Bright Loamy Soils (F20)
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6)	(MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7)	Red Parent Material (TF2)
Muck Presence (A8) (LRR U) Redox Depressions (F8)	Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O,	P, T) <sup>3</sup> Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4)  Reduced Vertic (F18) (MLRA 150A, 150	
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA	
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (ML	LRA 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)	
Restrictive Layer (if observed):	
Type:	X
Depth (inches):	Hydric Soll Present? Yes No
Remarks:	
	4)



Wetland data point wsuo018e\_w facing northwest.



Wetland data point wsuo018e\_w facing west.

#### WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region City/County: SUFFOIK Project/Site: Applicant/Owner: DOMINION Section, Township, Range: \_ Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): \_ Subregion (LRR or MLRA): Soil Map Unit Name: NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.) Are Vegetation \_\_\_\_\_, Soil , or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes \_\_, or Hydrology \_\_\_\_\_ naturally problematic? Are Vegetation \_\_\_\_\_, Soil \_\_\_\_ (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: powerling **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) \_ Surface Soil Cracks (B6) Surface Water (A1) \_\_\_ Aquatic Fauna (B13) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10) Saturation (A3) Moss Trim Lines (B16) Hydrogen Sulfide Odor (C1) Water Marks (B1) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Sediment Deposits (B2) 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) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Sphagnum moss (D8) (LRR T, U) Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

Sampling Point: WSUOUSS\_W

31V21F4		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 × 30 + 1)	% Cover	Species'	<u>Status</u>	Number of Dominant Species 2
1. none				That Are OBL, FACW, or FAC: (A)
2				
3.				Total Number of Dominant Species Across All Strata:  (B)
				Species Across All Strata: (B)
4				Percent of Dominant Species 16/5/
5				That Are OBL, FACW, or FAC:
6				
7				Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
0,				OBL species x 1 =
		= Total Co	ver	FACW species x 2 =
50% of total cover:	20% of	total cove	r:	
Sapling/Shrub Stratum (Plot size: 30 / 30 / 3)		200		FAC species x 3 =
1. PINUS tale aa	70	Y	FAC	FACU species x 4 =
2. Mannolia Virainiana	9	N	TACW	UPL species x 5 =
, ,				Column Totals: (A) (B)
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				
7				
				2 - Dominance Test is >50%
8	3.5			3 - Prevalence Index is ≤3.01
3.7	50	= Total Co	ver	Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover:	20% of	total cover	12	
Herb Stratum (Plot size: 30 X3 UTT)		. /	41	¹Indicators of hydric soil and wetland hydrology must
1. Arundinaria gigantea	30	Y	FACW	be present, unless disturbed or problematic.
2. Rubus argutus	10	V	FAC	Definitions of Four Vegetation Strata:
3. Scirpus cyperinus	5	1		Definitions of Four vegetation strata.
		- 17	OBL	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of
5		S. 60 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		height.
6.				Saultanishania Mandalahan ayahadin adiran lasa
				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				than 5 m. Don and greater than 5.25 it (1 m) tail.
8				Herb - All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Manda de All woods vince groates than 3.38 ft in
11				Woody vine - All woody vines greater than 3.28 ft in height.
				noight.
12	15			
22	40	= Total Co	ver	
50% of total cover:22.0	20% of	total cover		
Woody Vine Stratum (Plot size: 30 x 30 77)				8
1. NO ME				
2				
· ·				
3				
4				
5				Hydrophytic
	0	= Total Co	ver	Vegetation
50% of total cover:				Present? Yes No
		total cover		
Remarks: (If observed, list morphological adaptations below	w).			
				y .

Sampling Point: WSuo0185.w

SOIL

Depth   Matrix   Color (modst)   56
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Topletion Sand Muck (A9) (LRR O)  Thin Dark Surface (S9) (LRR S, T, U)  Thin Dark Surface (S9) (LRR S, T, U)  Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Thin Dark Surface (AS)  Thin Dark Surface (S9) (LRR S, T, U)  Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Thin Dark Surface (S9) (LRR S, T, U)  Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Type: (C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Type: (C=Concentration)
1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  1 Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  1 Histosol (A1)  1 Histosol (A2)  1 Histosol (A3)  1 Loamy Mucky Mineral (A3)  1 Loamy Mucky Mineral (A3)  1 Stratified Layers (A5)  2 Depleted Matrix (F2)  3 End Mucky Mineral (A7) (LRR P, T, U)  1 cm Muck (A9) (LRR P, T, U)  1 cm Muck (A9) (LRR P, T, U)  2 cm Muck (A10) (LRR P, S, T)  4 Anomalous Bright Loamy Soils (F20)  5 cm Muck (A9) (LRR P, T, U)  1 cm Muck (A9) (LRR P, T, U)  1 cm Muck (A9) (LRR P, T, U)  1 cm Muck (A9) (LRR P, T, U)  2 cm Muck (A10)  4 Pledmont Floodplain Soils (F19) (LRR P, S, T)  5 cm Mucky Mineral (A7) (LRR P, T, U)  1 cm Muck (A9) (LRR P, T, U)  2 cm Muck (A9) (LRR U)  3 Redcx Dark Surface (F7)  4 Muck Presence (A8) (LRR U)  5 cm Muck (A9) (LRR Q, S)  6 cm Muck (A9) (LRR Q, S)  6 cm Muck (A9) (LRR Q, S)  7 cm Muck (A9) (LRR Q, S)  8 cm Muck (A9) (LRR Q, S)  9 cm Muck (A110)  1 cm Muck (A9) (LRR Q, S)  1 cm Muck (A9) (LRR Q, S)  1 cm Muck (A110)  1 cm Muck (A10) (LRR Q, S)  1 cm Muck (A110)  1 cm Muck (A10)  1 cm Muc
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.    Concentration
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A3) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) Form Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) Huck (A8) (LRR B, T, U) Histosol (A8) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A5) Depleted Matrix (F3) Homework (A5) Depleted Matrix (F3) Homework (A5) Homework (A5) Homework (A5) Homework (A5) Homework (A6) (LRR P, T, U) Homework (A7) (LRR P, T, U) Homework (A8) (LRR U) Ho
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6)  Coast Prairie Redox (A10) Depleted Deriv Surface (A11) Depleted Ochric (F11) (MLRA 151) Sandy Mucky Mineral (S1) (LRR 0, S) Depleted Ochric (F13) (LRR 0, P, T, U) Depleted Ochric (F13) (MLRA 150A) Depleted Ochric (F13) Depleted Ochric (F13) Depleted Ochric (F13) Depleted Ochric (F17) Muck Presence (A8) (LRR U) Depleted Ochric (F11) (MLRA 151) Depleted Below Dark Surface (A12) Depleted Ochric (F13) (LRR 0, P, T, U) Depleted Ochric (F17) (MLRA 151) Sandy Mucky Mineral (S1) (LRR 0, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed): Type: Depth (inches):  Hydric Soll Present? Yes  Indicators for Problematic Hydric Solls³:  Indicators for Problematic Hydric Solls³:  1 cm Muck (A9) (LRR 0, 2 cm Muck (A9) (LRR 0, 3 cm Muck (A10) (LRR 0, 4 cm Muck (A
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6)  Coast Prairie Redox (A10) Depleted Deriv Surface (A11) Depleted Ochric (F11) (MLRA 151) Sandy Mucky Mineral (S1) (LRR 0, S) Depleted Ochric (F13) (LRR 0, P, T, U) Depleted Ochric (F13) (MLRA 150A) Depleted Ochric (F13) Depleted Ochric (F13) Depleted Ochric (F13) Depleted Ochric (F17) Muck Presence (A8) (LRR U) Depleted Ochric (F11) (MLRA 151) Depleted Below Dark Surface (A12) Depleted Ochric (F13) (LRR 0, P, T, U) Depleted Ochric (F17) (MLRA 151) Sandy Mucky Mineral (S1) (LRR 0, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed): Type: Depth (inches):  Hydric Soll Present? Yes  Indicators for Problematic Hydric Solls³:  Indicators for Problematic Hydric Solls³:  1 cm Muck (A9) (LRR 0, 2 cm Muck (A9) (LRR 0, 3 cm Muck (A10) (LRR 0, 4 cm Muck (A
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A3) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) Form Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) Huck (A8) (LRR B, T, U) Histosol (A8) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A5) Depleted Matrix (F3) Homework (A5) Depleted Matrix (F3) Homework (A5) Homework (A5) Homework (A5) Homework (A5) Homework (A6) (LRR P, T, U) Homework (A7) (LRR P, T, U) Homework (A8) (LRR U) Ho
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6)  Coast Prairie Redox (A10) Depleted Deriv Surface (A11) Depleted Ochric (F11) (MLRA 151) Sandy Mucky Mineral (S1) (LRR 0, S) Depleted Ochric (F13) (LRR 0, P, T, U) Depleted Ochric (F13) (MLRA 150A) Depleted Ochric (F13) Depleted Ochric (F13) Depleted Ochric (F13) Depleted Ochric (F17) Muck Presence (A8) (LRR U) Depleted Ochric (F11) (MLRA 151) Depleted Below Dark Surface (A12) Depleted Ochric (F13) (LRR 0, P, T, U) Depleted Ochric (F17) (MLRA 151) Sandy Mucky Mineral (S1) (LRR 0, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed): Type: Depth (inches):  Hydric Soll Present? Yes  Indicators for Problematic Hydric Solls³:  Indicators for Problematic Hydric Solls³:  1 cm Muck (A9) (LRR 0, 2 cm Muck (A9) (LRR 0, 3 cm Muck (A10) (LRR 0, 4 cm Muck (A
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A2) Histosol (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6)  Coast Prairie Redox (A10) Depleted Deriv Surface (A11) Depleted Ochric (F11) (MLRA 151) Sandy Mucky Mineral (S1) (LRR 0, S) Depleted Ochric (F13) (LRR 0, P, T, U) Depleted Ochric (F13) (MLRA 150A) Depleted Ochric (F13) Depleted Ochric (F13) Depleted Ochric (F13) Depleted Ochric (F17) Muck Presence (A8) (LRR U) Depleted Ochric (F11) (MLRA 151) Depleted Below Dark Surface (A12) Depleted Ochric (F13) (LRR 0, P, T, U) Depleted Ochric (F17) (MLRA 151) Sandy Mucky Mineral (S1) (LRR 0, S) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed): Type: Depth (inches):  Hydric Soll Present? Yes  Indicators for Problematic Hydric Solls³:  Indicators for Problematic Hydric Solls³:  1 cm Muck (A9) (LRR 0, 2 cm Muck (A9) (LRR 0, 3 cm Muck (A10) (LRR 0, 4 cm Muck (A
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)
Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)  Organic Bodies (A6) (LRR P, T, U)  Muck Presence (A8) (LRR P, T)  Depleted Dark Surface (F7)  Marl (F10) (LRR U)  Depleted Delow Dark Surface (A11)  Thick Dark Surface (A12)  Coast Prairie Redox (A16) (MLRA 150A)  Sandy Mucky Mineral (S1) (LRR O, S)  Sandy Gleyed Matrix (F3)  Depleted Dark Surface (F7)  Marl (F10) (LRR U)  Depleted Dark Surface (F7)  Depleted Dark Surface (F7)  Depleted Delow Dark Surface (TF12)  Other (Explain in Remarks)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Coast Prairie Redox (A16) (MLRA 150A)  Sandy Mucky Mineral (S1) (LRR O, S)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Piedmont Floodplain Soils (F19) (MLRA 150A)  Depleted Dark Surface (F7)  Redox Dark Surface (F7)  Red Parent Material (TF2)  Very Shallow Dark Surface (TF12)  Other (Explain in Remarks)  Other (Explain in Remarks)  Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Sandy Mucky Mineral (S1) (LRR O, S)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Piedmont Floodplain Soils (F19) (MLRA 150B)  Piedmont Floodplain Soils (F19) (MLRA 149A)  Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present? Yes No
Black Histic (A3)
Hydrogen Sulfide (A4)  Stratified Layers (A5)  Organic Bodies (A6) (LRR P, T, U)  Stratified Layers (A5)  Organic Bodies (A6) (LRR P, T, U)  Mucky Mineral (A7) (LRR P, T, U)  Depleted Dark Surface (F6)  Muck Presence (A8) (LRR U)  1 cm Muck (A9) (LRR P, T)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Coast Prairie Redox (A16) (MLRA 150A)  Sandy Mucky Mineral (S1) (LRR O, S)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Sandy Redox (S5)  Depleted Ochric (F18) (MLRA 150A)  Stripped Matrix (S6)  Dark Surface (S7) (LRR P, S, T, U)  Redox Dark Surface (F7)  Marl (F10) (LRR U)  Depleted Ochric (F11) (MLRA 151)  Iron-Manganese Masses (F12) (LRR O, P, T)  Sandy Mucky Mineral (S1) (LRR O, S)  Delta Ochric (F17) (MLRA 151)  Sandy Gleyed Matrix (S4)  Reduced Vertic (F18) (MLRA 150A)  Stripped Matrix (S6)  Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present? Yes No
Stratified Layers (A5)  Organic Bodies (A6) (LRR P, T, U)  Redox Dark Surface (F6)  Mucky Mineral (A7) (LRR P, T, U)  Pepleted Dark Surface (F7)  Muck Presence (A8) (LRR U)  1 cm Muck (A9) (LRR P, T)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Coast Prairie Redox (A16) (MLRA 150A)  Sandy Mucky Mineral (S1) (LRR O, S)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Sandy Redox Depressions (F8)  Depleted Ochric (F17) (MLRA 150A)  Depleted Ochric (F17) (MLRA 150A)  Umbric Surface (F13) (LRR P, T, U)  Sandy Redox (S5)  Sandy Redox (S5)  Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soll Present? Yes No
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) (MLRA 153B)  5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2)  Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12)  1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks)  Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151)  Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Wetland hydrology must be present, unless disturbed or problematic.  Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Unless disturbed or problematic.  Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A)  Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)  Restrictive Layer (If observed):  Type:  Depth (inches):  Hydric Soil Present? Yes No
Muck Presence (A8) (LRR U) Redox Depressions (F8) Very Shallow Dark Surface (TF12)  1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Other (Explain in Remarks)  Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151)  Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Indicators of hydrophytic vegetation and Very Shallow Mineral (S1) (LRR O, S) Delta Ochric (F13) (LRR P, T, U) Wetland hydrology must be present, Unless disturbed or problematic.  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 149A)  Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)  Restrictive Layer (If observed):  Type:  Depth (inches):  Hydric Soil Present? Yes No
1 cm Muck (A9) (LRR P, T)
Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Coast Prairie Redox (A16) (MLRA 150A)  Sandy Mucky Mineral (S1) (LRR O, S)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Depleted Ochric (F11) (MLRA 151)  Iron-Manganese Masses (F12) (LRR O, P, T)  Jento Surface (F13) (LRR P, T, U)  wetland hydrology must be present,  wetland hydrology must be present,  unless disturbed or problematic.  Reduced Vertic (F18) (MLRA 151)  pleth (Inches):  Hydric Soil Present? Yes No
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, 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 149A)  Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)  Restrictive Layer (If observed):  Type:  Depth (inches): Hydric Soil Present? Yes No
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 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)  Restrictive Layer (If observed):  Type: Depth (inches): Hydric Soil Present? Yes No
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)  Restrictive Layer (if observed):  Type: Depth (inches): Hydric Soil Present? Yes No
Sandy Redox (S5)
Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)  Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type: Depth (inches): Hydric Soil Present? Yes No
Dark Surface (S7) (LRR P, S, T, U)  Restrictive Layer (if observed):  Type:  Depth (inches): Hydric Soll Present? Yes No
Restrictive Layer (if observed):  Type:  Depth (inches): Hydric Soll Present? Yes No
Depth (inches): No



Wetland data point wsuo018s\_w facing south.



Wetland data point wsuo018s\_w facing east.

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

Project/Site: A L P City/C	County: Suffolk Sampling Date: 5/2/16
Applicant/Owner: Dominion	State: VA Sampling Point: W500018f.
	on, Township, Range: NONC
Landform (hillslope, terrace, etc.): flat Local	I relief (concave, convex, none): None Slope (%): 0-Z
Subregion (LRR or MLRA): L PR T Lat: 36.78	8 43 Long: -7 6 . 5 3   3 Z Datum: W6584
	700
Soil Map Unit Name: Tomotley loam	/
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.	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	In the Sampled Area
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	Within a Wetland 7 Tes No
Remarks:	
24112	
NLWAM: Hardwood Flat	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B13) High Water Table (A2) Marl Deposits (B15) (LR	Sparsely Vegetated Concave Surface (B8)  R U)  Drainage Patterns (B10)
High Water Table (A2)  Saturation (A3)  Hydrogen Sulfide Odor (	
Water Marks (B1)  Water Marks (B1)  Oxidized Rhizospheres a	
Sediment Deposits (B2)  Presence of Reduced Iro	
Drift Deposits (B3) Recent Iron Reduction in	
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Other (Explain in Remar	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
☐ Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	NA
Surface Water Present? Yes No Depth (inches):	1111
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
Saturation Present? Yes No Depth (inches):	Wetland hydrology Present? Tes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	
·	
1	

	Absolute	Dominant Indic	cator   Dominance Test worksheet:
Tree Stratum (Plot size: 30f+ x 30f+)		Species? Sta	
1. Liquidambar Styraciflua	15		Number of Dominant Species  HC That Are OBL, FACW, or FAC: (A)
2. Aver rubrum	10		Total Number of Dominant
3. Pinus taeda	10	Y FA	Species Across All Strata: (B)
4.			
			Percent of Dominant Species That Are OBL FACW or FAC: 100 (A/B)
5			That Are OBL, FACW, or FAC: (A/B)
6			
7			Prevalence Index worksheet:
			Total % Cover of: Multiply by:
8	75		OBL species x 1 =
1.7		= Total Cover	
50% of total cover: 17.	5 20% of	f total cover:	,
Sapling/Shrub Stratum (Plot size: 30f+ x 30f+ )			FAC species x 3 =
Saping Strate Stratem (1 lot size. 351)	10	Y FA	( FACU species x 4 =
1. ALEr rubrum			UPL species x 5 =
2			
3			Column Totals: (A) (B)
4			
5			Hydrophytic Vegetation Indicators:
6			
7			
8	10		— 3 - Prevalence Index is ≤3.01
		= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:5	20% o	f total cover:	
Herb Stratum (Plot size: 30ff x 30f+)			11-di-to-s of hydric call and wattend hydrology must
1. Arundinaria gigantea	310	Y FA	1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Arvhornaria giganica		7 50	
2. Clethra amifolia	10	Y FA	CW Definitions of Four Vegetation Strata:
3			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4.			
			hoight
5			Thorgan.
6			
7			than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.			
1			
9			
10			Woody vine - All woody vines greater than 3.28 ft in
11			height.
12.			
12.	40	= Total Cover	
		1	6
50% of total cover: 20	20% o	f total cover:	0
Woody Vine Stratum (Plot size: 30f+ x 30f+ )			
1. Smilax rotundifolia	15	Y FF	70
2.			
3			
4.			
-			
5	15		Hydrophytic
		= Total Cover	Vegetation Present? Yes No
50% of total cover:	20% o	f total cover:	Present? Yes/ No
Remarks: (If observed, list morphological adaptations belo			
Remarks. (II observed, list morphological adaptations beit	JVV).		

	cription: (Describe	to the depth ne	eded to docur	nent the mai	cator or con	firm the absence	of indicators.	)	
Depth	Matrix		Redo	x Features					
(inches)	Color (moist)		color (moist)		ype Loc	<u>Texture</u>		Remarks	
0-14	101831	100	= 10 =1				mucky	presence	_
14-20	10/23/	9.0 7.	5 1R 5/8	10	<u>_ M</u>	_ CL			
							202		
									-
¹Type: C=C	oncentration, D=Dep	oletion, RM=Red	luced Matrix, M	S=Masked Sa	ind Grains.		PL=Pore Linin		
Hydric Soil	Indicators: (Applic	able to all LRR	s, unless othe	rwise noted.	)	Indicators	for Problema	tic Hydric Soils³:	
☐ Histoso		Г		low Surface		T, U) _ 1 cm !	Muck (A9) (LRF	R O)	
	pipedon (A2)	Ī	Thin Dark St	ırface (S9) (L	RR S, T, U)		Muck (A10) (LF		
Black H	istic (A3)	Ĺ		y Mineral (F1				) (outside MLRA	
	en Sulfide (A4)	Ī		ed Matrix (F2)				Soils (F19) (LRR	P, S, T)
	d Layers (A5)	🗜	Depleted Ma					amy Soils (F20)	
	Bodies (A6) (LRR F			Surface (F6)	7)		RA 153B) Parent Material	(TF2)	
	ucky Mineral (A7) (L resence (A8) (LRR I		Redox Depr	rk Surface (F essions (F8)	"		Shallow Dark S		
	uck (A9) (LRR P, T)	" †	Marl (F10) (1				(Explain in Re		
-	d Below Dark Surface	ce (A11)		hric (F11) (M	LRA 151)	_			
	ark Surface (A12)	]		ese Masses				phytic vegetation a	
	rairie Redox (A16) (			ace (F13) (LR				y must be present,	
	Mucky Mineral (S1) (	LRR O, S)		(F17) (MLRA			less disturbed	or problematic.	
	Gleyed Matrix (S4)	+		rtic (F18) (ML					
	Redox (S5)	+		oodplain Soils		A 149A) MLRA 149A, 1530	1530)		
	d Matrix (S6) urface (S7) (LRR P,	S T.II)	Allomaious	bright Loamy	50115 (1 25) (	ווובונא וייטא, וטטנ	3, 1000,		
	Layer (if observed		10 TO						1.1
Type:								/	
	nches):		-			Hydric Soi	I Present?	Yes No.	
Remarks:									
Kemarks.									



Wetland data point wsuo018f\_w facing south.



Wetland data point wsuo018f\_w facing east.

WETLAND DETERMINATION DATA FORM	– Atlantic and Gulf Coastal Plain Region
Project/Site: City/Co	unty: Suffolk Sampling Date: 11/3/15
Applicant/Owner: DOMINION	State: VA Sampling Point: W540018
	n, Township, Range: NA
Landform (hillslope, terrace, etc.): Powerline easement Local re	
Subregion (LRR or MLRA): LRRT Lat: 36.79	84193 Long: - 76, 520667 Datum: W659
Soil Map Unit Name: Torhunta loam	NWI classification: UPIAnd
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	
Are Vegetation, Soil, or Hydrology significantly disturbed	
Are Vegetation, Soil, or Hydrology naturally problemati	ic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing same	oling point locations, transects, important features, etc.
Hydric Soil Present? Yes No Ye	Is the Sampled Area within a Wetland?  Yes No
Remarks: fill material Gr road	
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	
Saturation (A3) Hydrogen Sulfide Odor (C1	Moss Trim Lines (B16)
Water Marks (B1) Oxidized Rhizospheres alo	ing 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 T	illed Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain in Remarks)	
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:  Surface Water Present?  Yes NoX Depth (inches):	IA_
Water Table Present? Yes No Depth (inches):	
\/	11
Saturation Present? Yes NoX_ Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No X
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	ous inspections), if available:
Dawaska	
Remarks:	
Could not auger past 4" due	to gravel road
¥	
*	