ree Stratum (Plot size: 30ft x 30 ft)			t Indicator	Dominance Test worksheet:	
Pinus taeda	Z O	Species	FAC	Number of Dominant Species	(A)
Liriodendron tulipifera	40	V	FACU	That Are OBL, FACW, or FAC:	(A)
Liquidambar Ayraciflua				Total Number of Dominant Q	
the second se	and the second s	_/	FAC	Species Across All Strata:	(B)
			-	Percent of Dominant Species	
				That Are OBL, FACW, or FAC:6	(A/B
and the second second second second				Prevalence Index worksheet:	
				Total % Cover of:Multiply	
				OBL species x 1 =	
		= Total Co			
50% of total cover:	45 20% 01	total cove	r: 18	FACW species x 2 =	a phone and a straight
pling/Shrub Stratum (Plot size: 30ff × 30ff)				FAC species x 3 =	
Carpinur caroliniana	25	Y	FAC	FACU species x 4 =	
Ilex ofaca	10	Y	FAC	UPL species x 5 =	
Faguer grandifolia	10	Y	FACU	Column Totals: (A)	(B)
				Desuglance Index - B/A -	
				Prevalence Index = B/A =	
				Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Vegetat	ion
			·	2 - Dominance Test is >50%	
	145	= Total Co	·	3 - Prevalence Index is ≤3.0 <sup>1</sup>	
50% of total cover: Z	2 5	= Total Co	ver q	Problematic Hydrophytic Vegetation <sup>1</sup> (I	Explain)
50% of total cover: 4	20% 01	total cove	r:		
erb Stratum (Plot size: 30 H × 30H)	10		CDAN	<sup>1</sup> Indicators of hydric soil and wetland hydro	
Tipularia discolor		1	FACU	be present, unless disturbed or problemation	
				Definitions of Four Vegetation Strata:	
management in the second second second					(7.6 cm) o
the second s			-	Tree - Woody plants, excluding vines, 3 in	
				Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), re height.	gardless of
				Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), re height. Sapling/Shrub – Woody plants, excluding	gardless of vines, less
				Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), re height.	gardless of vines, less
				<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 r</li> <li>Herb – All herbaceous (non-woody) plants,</li> </ul>	vines, less n) tall. regardless
				<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 more)</li> </ul>	vines, less n) tall. regardless
				<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 r</li> <li>Herb – All herbaceous (non-woody) plants,</li> </ul>	vines, less n) tall. regardless tall.
				<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 referb – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft ft</li> </ul>	vines, less n) tall. regardless tall.
				<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 refer – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft woody vine – All woody vines greater than</li> </ul>	vines, less n) tall. regardless tall.
				<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 refer – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft woody vine – All woody vines greater than</li> </ul>	vines, less n) tall. regardless tall.
			ver	<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 refer – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft woody vine – All woody vines greater than</li> </ul>	vines, less n) tall. regardless tall.
			ver	<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 refer – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft woody vine – All woody vines greater than</li> </ul>	vines, less n) tall. regardless tall.
			ver r:_2_	<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 refer – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft woody vine – All woody vines greater than</li> </ul>	vines, less n) tall. regardless tall.
50% of total cover:	<u> </u>		ver	<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 refer – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft woody vine – All woody vines greater than</li> </ul>	vines, less n) tall. regardless tall.
50% of total cover: 	<u> </u>		ver r:_2_	<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 refer – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft woody vine – All woody vines greater than</li> </ul>	vines, less n) tall. regardless tall.
50% of total cover:	<u> </u>	= Total Co fotal cove	ver r:_2_	<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 refer – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft woody vine – All woody vines greater than</li> </ul>	vines, less n) tall. regardless tall.
Lonicera japonica Smilax rofundifolia	<u> </u>	= Total Co fotal cove	ver r:_2_	<ul> <li>Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), reheight.</li> <li>Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 refer – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft woody vine – All woody vines greater than</li> </ul>	vines, less n) tall. regardless tall.
50% of total cover:	<u> </u>	= Total Co f total cove	ver r: 2 FACU FAC	Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), re- height. Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 r Herb – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft t Woody vine – All woody vines greater than height. Hydrophytic	vines, less n) tall. regardless tall.
50% of total cover:	<u> </u>	= Total Co fotal cove	ver r: 2 FACU FAC	Tree – Woody plants, excluding vines, 3 in more in diameter at breast height (DBH), re- height. Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than 3.28 ft (1 r Herb – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft i Woody vine – All woody vines greater that height.	egardless of vines, less n) tall. regardless tall. n 3.28 ft in

wsup	033-4
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SOIL								Si	ampling Point:	Co Tap a se
Profile Des	cription: (Describe	to the dep				or confirm	the absence of	f Indicato	ors.)	
Depth	Matrix			dox Features	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	1 Section 1
(inches) 0-5	Color (moist) 10YR 3/2		Color (moist)	%	Туре	LOC	FSL		Remarks	
5-15	2.54 6/6	100					FSL			
15-20	2.54 6/6	90	2.546/1	10	D	M	FSL			
13-20	2.370/6	10	231 8/1		-			0.12-01-0		
	A CONTRACTOR OF A CONTRACT OF A CONTRACT. OF A CONTRACT OF A CONTRACT. OF A CONTRACT OF A CONTRACT. OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. OF A CONTRACT OF A CONTRACT OF A CONTRACT. OF A CONTRACT OF A CONTRACT OF A CONTRACT. OF A CONTRACT OF A CONTRACT OF A CONTRACT. OF A CONTRACT OF A CONTRACT OF A CONTRACT. OF A CONTRACT OF A CONTRACT OF A CONTRACT. OF A CONTRACT OF A CONTRACT OF A CON								tan Si Malani Tan Si Malani	
	-		cile 12 ANR DO		<u> </u>	-				
						<u></u>				
			terrent and the second						da la composición de	
	oncentration, D=Dep					ains.			ining, M=Matri matic Hydric S	
	Indicators: (Application)	able to all				DDETI		ick (A9) (L		sons :
Histoso	pipedon (A2)			Below Surface Surface (S9)				ick (A10) (		
	istic (A3)		the second se	ucky Mineral (						ILRA 150A,B)
Hydroge	en Sulfide (A4)			eyed Matrix (F	F2)				ain Soils (F19)	
	d Layers (A5)			Matrix (F3)					Loamy Soils (	F20)
	Bodies (A6) (LRR P, ucky Mineral (A7) (LR		and the second se	rk Surface (Fi Dark Surface				A 153B) ent Materi	ial (TE2)	
The second secon	resence (A8) (LRR U			pressions (F8					k Surface (TF1	2)
	uck (A9) (LRR P, T)		Marl (F10	(LRR U)			Other (E	xplain in F	Remarks)	
	d Below Dark Surface	e (A11)		Ochric (F11)			- 31-11			ation and
	ark Surface (A12) Prairie Redox (A16) (N	AL RA 150		anese Masse urface (F13) (1					drophytic veget ogy must be pr	
	Mucky Mineral (S1) (L			ric (F17) (ML		, -,			ed or problema	
	Gleyed Matrix (S4)			Vertic (F18) (I						
The second secon	Redox (S5)			Floodplain So				(520)		2 × 1
	d Matrix (S6) urface (S7) (LRR P, S	TIN		is Bright Loan	ny Solis (	F20) (MLR	A 149A, 153C, 1	1930)		
	Layer (if observed):				10000000000000000000000000000000000000			11-12-22		
Type:		i Alberta	<u> </u>							-
Depth (in	iches):						Hydric Soil P	resent?	Yes	No <u> </u>
Remarks:										5000 15054555 — UGA
										4



Upland data point wsup033\_u facing north.



Upland data point wsup033\_u facing south.

		ETERMINATIO							1/6/16
roject ane	ACP	a succession	City/	County:	out to	IR	Sampling	Date:	110110
pplicant/Owner:	Dominio	^				State VA	Sampling	Point:	wsup 0346
nvesticator(s).	ESI-M.S.	nith N.M	lur phrey Sect	ion, Township	Range:	NH		No maint	
andform (hillslop Subregion (LRR o Soil Map Unit Nat Are climatic / hyd	ne, terrace, etc.): or MLRA):RF me:N & MSEMI Irologic conditions on, Soil, or	the site typical for th	1 Loca Lat: 36.7 Fine sis time of year?	l relief (concav 623 Sand YesN	io	none): <u>con</u> 76.685 	ification: Remarks.)	Datur	1C
CONTRACTOR AND	, Scil, or					explain any ans			
									turos ato
SUMMARY O	F FINDINGS - A	Attach site map	showing sar	mpling poir	nt locatio	ons, transec	ts, import	ant lea	tures, etc.
Hydrophytic Veg Hydric Soil Pres Wetland Hydrol Remarks:		A A A A A A A A A A A A A A A A A A A	lo lo lo	Is the Sam within a We		Yes	No.	9 (17 - 12 - 1	
	WAM: E	attanta	nd florgd	11000	$\langle q T  \in I$	<u>†</u>		<u>.</u>	
YDROLOGY		and the fame of		Annal Anna Anna Anna		Secondary Inc	licators (mini	mum of ty	vo required)
CARD AND AND A REAL AND A	ology Indicators:	ted sheets all	that analy)			Surface S			A CONTRACT OF STREET
A STREET PROVIDE A STREET AND AND AND	ors (minimum of one l					Sparsely			urface (B8)
Surface Wa	AND AND A REPORT OF A R	and the second sec	: Fauna (B13) eposits (B15) (LR	R U)		Drainage			
Saturation			en Sulfide Odor			Moss Trin			1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -
Water Mark			d Rhizospheres		oots (C3)	Dry-Seas			1.49
Sediment D			ce of Reduced Ir			Crayfish E			
Drift Depos		A STATE OF A	Iron Reduction i		C6)		Visible on A		gery (C9)
Algal Mat o		and the second se	uck Surface (C7)			V Geomorp	quitard (D3)		
Iron Depos		Contraction of the second s	Explain in Remai	rks)		FAC-Neu			
	Visible on Aerial Imag ned Leaves (B9)	tery (B7)					n moss (D8)		(L
Field Observat	lionet						A.S. A. B. S. C. A.	N. C. C.	
Surface Water I	Present? Yes	No De	epth (inches):	NA					
Water Table Pro		V No_ De	epth (inches):	0				1	
Saturation Pres	ent? Yes_	- No De	epth (inches):	0	Wetland I	lydrology Pre	sent? Yes	<u></u>	No
(includes capilla	ary fringe) rded Data (stream gau				inne) if ave	ulable:		1.1.1.1.1.1.1	the second s
Describe Recor	rded Data (stream gat	ige, menilohing wen,	aenai priotos, pi	evious inspeci					
<b>D</b>		•							
Remarks:									
	Standard and Ma	Mary Mary Maria	Same Cake		AM CORRECT	alan salaya	dia dia mandra	Sector - Park	

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Sampling Point wsup034e-w

VEGETATION (Four Strata) – Use scientific his				
Tree Stratum (Plot size 10H × 30H)	Absolute % Cover	Dominant Species?		Dominance Test worksheet: Number of Dominant Species
1. none	COMPANY OF THE AVE			That Are OBL, FACW, or FAC: (A)
2			Contraction of the second	Total Number of Dominant
3.				Species Across All Strata: (B)
4.				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6			한 것에서 잘 많이 없다. 이 것에서 한다.	
7.				Prevalence Index worksheet:
The second se				Total % Cover of: Multiply by:
8	0	= Total Cov		OBL species x 1 =
50% of total cover:				FACW species x 2 =
		i totai covei	·	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 10×30) 1 Rubus argutus	25	V	FAC	FACU species x 4 =
			FAC	UPL species x 5 =
2. Liquidambar styraciflua				Column Totals: (A) (B)
3				
4		10.25.0000		Prevalence Index = B/A =
5			Standardard	Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7		ine calify		X 2 - Dominance Test is >50%
8.				3 - Prevalence Index is ≤3.0 <sup>1</sup>
	30	= Total Cov	ver ,	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	5 20% 0	f total cover	: 6	
Herb Stratum (Pict size: 10 × 30)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Typha latifolia	90	Y	OBL	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
				height.
5				Sapling/Shrub - Woody plants, excluding vines, less
6				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				
8				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12		Martin Constant		
and the second	90	= Total Co	/er	
50% of total cover: 4	5 20% 0	f total cover		
Woody Vine Stratum (Plot size: 10 + 30 ft)			an a	
1 Gelsenium sempervirens	15	Y	FAC	
2 Smilax laurifolia	15	Y	FACW	
2. SMITTOCK TOCULT I TOTTOC		a superior	THER	
3.	and the second of the		Frank and the second	
4		10 10 10 10 10 10 10		
5.	- 20	-	Constant of the	Hydrophytic
		= Total Co	/	Vegetation Present? Yes No No
50% of total cover:	> 20% 0	f total cover	6	
Remarks: (If observed, list morphological adaptations be	low).	ala na kata na ka	13241224	Contraction of the second s

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SOIL	
Profile Description:	(Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Sampling Point: WSup 0348.00

Depth (inchas)	Matrix			Features		Demarka
(inches)	Color (moist)		olor (moist)	% Type Loc*	Texture	Remarks
0-6	2.542.5/1	100			muck	A CARLES ADDRESS SAME A ST STORE
6-20	2.5 4/1	100		The second second second second second	sand	
6- 20					and the second second	an the standard of the second second
Margaret	The second second	the second second	and the states			
				And the second se	Y	And the second second second second
	The second s	The second s		Construction of the second second second second		
and the shades to	and the second second second					an and the second s
		Standing State	Contra Cataloguesa	and the second second second	and a strain and a strain of the strain of t	
The second second second				-Marked Fand Crains	2 ocation: PL=E	ore Lining. M=Matrix.
'Type: C=C	oncentration, D=Depl	etion, RM=Redu	iced Matrix, Ma	S=Masked Sand Grains.	Indicators for P	oblematic Hydric Solis <sup>3</sup> :
Hydric Soll	Indicators: (Applica	able to all LKRS				
Histosol	(A1)	1910) - 1910 - 1 <u>910</u>		low Surface (S8) (LRR S, T, L		A10) (LRR S)
Histic E	pipedon (A2)			rface (S9) (LRR S, T, U)	2 cm Muck (	rtic (F18) (outside MLRA 150A,B)
	istic (A3)	har di se <del>di</del>		Mineral (F1) (LRR O)	Reduced Ve	codplain Soils (F19) (LRR P, S, T)
Hydroge	en Sulfide (A4)	1993 - 1993 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 -	_ Loamy Gleye			Bright Loamy Soils (F20)
	d Layers (A5)	1001	_ Depleted Mat			
	Bodies (AB) (LRR P,		_ Redox Dark S		(MLRA 15	Material (TF2)
	ucky Mineral (A7) (LR		<ul> <li>A second stand of the Long stands and the second stands</li> </ul>	k Surface (F7)		v Dark Surface (TF12)
	resence (A8) (LRR U	)	_ Redox Depre	A Second State Sta		in in Remarks)
	uck (A9) (LRR P, T)		_ Marl (F10) (E		Other (Expla	an ar iteritary
	d Below Dark Surface	e (A11)		nric (F11) (MLRA 151)	T) Sinchasters	of hydrophytic vegetation and
	ark Surface (A12)	aline ta san a san		ese Masses (F12) (LRR O, P,	() Indicators	ydrology must be present,
	Prairie Redox (A16) (N		<ul> <li>Cost Scient Sold Sciences (1998) 1993</li> </ul>	ce (F13) (LRR P, T, U)	wenand i	sturbed or problematic.
	Mucky Mineral (S1) (L	.RR O, S)		(F17) (MLRA 151)		
	Gleyed Matrix (S4)		_ Reduced Ver	tic (F18) (MLRA 150A, 150B)	19.4)	
Contract Print State Contract State	Redox (S5)	11	_ Piedmont Flo	odplain Soils (F19) (MLRA 14 Bright Loamy Soils (F20) (MLR	+3A) A 449A 453C 453	ור
Contraction of the second s	d Matrix (S6)		_ Anomalous E	right Learny Solis (F20) (MLR	(A 145A, 1550, 155	-,
	urface (S7) (LRR P, S		•			
Restrictive	Layer (if observed):					/
Type:	a sha ka sha	and a second second second				No. No.
Depth (in	nches):			Service and the service of the	Hydric Soll Pres	ent? Yes <u>No</u>
Remarks:						
Remarks.						
Remarks.						
Remarks.						
Remains.						
Remarks.						
Remarks.						
Remarks.						
Remarks.						
Remarks.						
Remarks.						
Remarks.						
Remarks.						
Remarks.						
Remarks.						
Remarks.						
Remarks.						
Remarks.						
Reniains.						

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Wetland data point wsup034e\_w facing east.



Wetland data point wsup034e\_w facing north.

WETLAND DETERMINATION DAT	TA FORM – Atlan	tic and Gulf C	oastal Pla	in Region
Project/Site: ACP	City/County: 5	uffolk		Sampling Date: 1/7/16
ACP pplicant/Owner: Dominion nvestigator(s): ESI-M. Smith N. Murphr andform (hillslope, terrace, etc.): Flood plain		State	VA :	Sampling Point WSup 0341-
policantowner EST- M. Smith N. Much	ev Saction Townshir	Range:	VA	
vestigator(s): Flood Plain	Lecal raliaf (conce	va coquer pone	conce	Slope (%)
andform (hillslope, terrace, etc.): F7666 P161A	6 7635			
ubregion (LRR or MLRA): LAT Lat:	6. 10-0	Long:0		tion: PFOIC
oil Map Unit Name: Nansemond loamy TI	ne sand		WWI classifica	
re climatic / hydrologic conditions on the site typical for this time of		No (If no.	explain in Re	marks.)
re Vegetation, Soil, or Hydrology significa				esent? Yes No
re Vegetation, Scil, or Hydrology naturally	y problematic?	(if needed, explain	any answers	in Remarks.)
SUMMARY OF FINDINGS - Attach site map show	ving sampling poi	nt locations,	transects,	important features, etc.
Hydrophytic Vegetation Present? Yes <u>V</u> No <u>No</u> Hydric Soil Present? Yes <u>V</u> No <u>No</u>	Is the Sam		Yes	No
Wetland Hydrology Present? Yes No				
NCWAM: Bottomland			ndary Indicat	ors (minimum of two required)
Wetland Hydrology Indicators:		The Contract of the Contract and the	Surface Soil C	A submitted in a submitted in the first of the first o
Primary Indicators (minimum of one is required, check all that ap				etated Concave Surface (B8)
Surface Water (A1) Aquatic Fauna High Water Table (A2) Marl Deposits			Drainage Patt	
Saturation (A3)			Moss Trim Lir	
	ospheres along Living F			later Table (C2)
Sediment Deposits (B2) Presence of R			Crayfish Burn	ows (C8)
	eduction in Tilled Soils			ible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Sur			Geomorphic F Shallow Aquit	
Iron Deposits (B5) Other (Explain	in Remarks)		FAC-Neutral	
Inundation Visible on Aerial Imagery (B7) Valer-Stained Leaves (B9)				oss (D8) (LRR T, U)
	./.0			
Field Observations: Surface Water Present? Yes No Depth (inc	ches)://4			
Water Table Present? Yes V No Depth (inc	ches):			/
Saturation Present? Yes V No Depth (inc	ches):	Wetland Hydro	logy Presen	? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial p	photos, previous inspec	tions), if available	:	And the second second second second
Remarks:				
	and the second second	· · · · · · · · · · · · · · · · · · ·	Second Second	and the state of the second

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Campling	Point WSIA	ρl	)39	H-w

VEGETATION (Four Strata) – Use scientific na				Samping Fond.
Tree Stratum (Plot size: 30ft x 30ft			t Indicator ? Status	Dominance Test worksheet:
· Naar ruhrum	50	Y	FAC	Number of Dominant Species 9 (A)
2. Carpinus caroliniana	30	Y	FAC	
3. Liquidambar styraciflua	Contraction of the local division of the loc	Ý	FAC	Total Number of Dominant Species Across All Strata:
4. Quercus michauxii	20	N	FACW	
	Contraction of the			Percent of Dominant Species <u>9D1</u> (A/B)
5				
6				Prevalence Index worksheet:
7	-		-	Total % Cover of: Multiply by:
8	130	= Total Co		OBL species x1 =
50% of total cover: _63	5 001		26	FACW species x 2 =
50% of total cover. $-20$	20% 01	total cove		FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 30f4 × 30f4)	10	V	FAC	FACU species x 4 =
1. Iler opaca	10	- 1 V	FACW	UPL species x 5 =
2. Magnolia Virginiana			contemportes interi	Column Totals: (A) (B)
3				
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				- 1 - Rapid Test for Hydrophytic Vegetation
7	te di station			2 - Dominance Test is >50%
B		The second		3 - Prevalence Index is ≤3.0 <sup>1</sup>
	_20	= Total Co	wer //	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:	20% of	total cove	r:	
Herb Stratum (Pict size: 30ft × 30ft)	10		FALL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1 Arundinaria yganten		Y	FACW	be present, unless disturbed or problematic.
2. Woodwardia areolata	15	1	OBL	Definitions of Four Vegetation Strata:
3.	a standard and a standard			Tree - Woody plants, excluding vines, 3 in. (7.6 cm) cr
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		Ser Startes		
and the second se	75	= Total Co	wer	
50% of total cover: 37	. 5 20% of	total cove	15	
Woody Vine Stratum (Plot size: 30ft x 30ft)			1.515.27	
1 Vitis rotundifolia	10	Y	FAC	
2 Lonicera japonica	15	Y	FACU	
3. Smilax rotundifolia	15	Y	FAC	1 1997년 1월 - 1997년 2월 28일 - 1912년 1912년 1917년 1917년 1917년 1월 1917년 1 1917년 1월 1917년 1
3	N N N PORT			
4. <u></u>	-		1.500.000	Hudrophytic
D	40	= Total Co		Hydrophytic Vegetation
70			0	Present? Yes No
50% of total cover: 20	and the second second second second	r total cove	n	
Remarks: (If observed, list morphological adaptations be	IOW).			
and the second	S. California	- Stelland	a walk was a de	

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Sampling Point NSup 034fw

oth	Matrix		eeded to document the Indicator or con Redox Features		Remarks
thes)	Color (moist)		Color (maist) % Type Loa	and service in the state of the	
-20	104R2/1	100	and the second s	Loam	mucky
					And a second sec
		letion RM=Re	duced Matrix, MS=Masked Sand Grains.	2Location:	PL=Pore Lining. M=Matrix.
ric Soil	Indicators: (Applic	able to all LRI	Rs, unless otherwise noted.)	Indicators	s for Problematic Hydric Solis <sup>3</sup> :
Histosol			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) ced Vertic (F18) (outside MLRA 150,
	stic (A3)		Loamy Mucky Mineral (F1) (LRR O)	Redu	nont Floodplain Soils (F19) (LRR P, S
	en Sulfide (A4)	en e	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Anom	alous Bright Loamy Soils (F20)
	d Layers (A5) Bodies (A6) (LRR P	т. ш	Redox Dark Surface (F6)	(ML	.RA 153B)
	icky Mineral (A7) (LF		Depleted Dark Surface (F7)		Parent Material (TF2)
Muck Pr	esence (A8) (LRR U		Redox Depressions (F8)		Shallow Dark Surface (TF12)
	ick (A9) (LRR P, T)	-	Mari (F10) (LRR U)	Other	(Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR 0	O.P.T) <sup>3</sup> Indi	icators of hydrophytic vegetation and
	ark Surface (A12) rairie Redox (A16) (N	ULRA 150A)	COLORS AND AND A REAL AND A	We	etland hydrology must be present,
	lucky Mineral (S1) (I		Delta Ochric (F17) (MLRA 151)		less disturbed or problematic.
	Gleyed Matrix (S4)		Reduced Vertic (F18) (MLRA 150A, 1	50B)	
CONTRACTOR OF A CONTRACT	Redox (S5)		Piedmont Floodplain Soils (F19) (MLR	(A 149A)	C 153D)
CONTRACTOR AND DESCRIPTION	Matrix (S6)	· - ···	Anomalous Bright Leamy Soils (F20) (	MLKA 149A, 155	c, 1550)
	rface (S7) (LRR P, S Layer (if observed):			and the second second	r se sector a sector de la sector
Type:	Layor (nobserred)	La Mandala A			/
Depth (in	ches):		7	Hydric So	Il Present? Yes No
marks:		narae contra anti-	A STATE AND A STAT	and the second second second	
narks.					

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Wetland data point wsup034f\_w facing northwest.



Wetland data point wsup034f\_w facing northeast.

	WETLAND DE	TERMINATION DA	TA FORM – Atla	ntic and G	ulf Coastal P	lain Region	. 1
	ACP		City/County:	Suffoll	k	_ Sampling Date: _ _ Sampling Point. <sup>V</sup>	1/6/16
			City/County:		VA	_ Sampling Baist V	150p034-00
Applicant/Owner:	D'OMINIO	M M M	1		NA	_ Samping Fort	
nvestigator(s):	1 - 11, 5m	ith N. Murp	Section, Towns	hip, Range:	/*/		1
andform (hillslope, te	errace, etc.):	T Lat:	Local relief (con	cave, convex,	none): <u>con</u>	cave stop	e (%)
Subrection (LRR or M	LRAY LRR	T Lat:	36,7623	Long:	16.685	53 Dat	um:0
Coll Man Linit Name:	Nansemar	nd loamy f	ine sand		NWI classif	ication: N	A
Son wap onit Name.	1 - Willion - We	e site typical for this time	alward Vac	No I	If no explain in i	Remarks.)	
					Circumstances"	present? Yes	No
		ydrology significa					
Ve Vegetation	_, Scil, or H	lydrology natural	ly problematic?	(If needed, e	xplain any answ	ers in Remarks.)	
SUMMARY OF F	INDINGS - Att	tach site map show	ving sampling p	oint locatio	ns, transect	s, important fe	atures, etc.
Hydrophytic Vegetal Hydric Soil Present? Wetland Hydrology I Remarks:	?	Yes No Yes No Yes No		impled Area Wetland?	Yes	No	-
IYDROLOGY		And the second	an a		Secondary India	cators (minimum of	two required)
Wetland Hydrology			-1.0		Surface So		
And the second second second second second	The second second second second second	equired: check all that ap				egetated Concave	Surface (B8)
Surface Water (		Aquatic Fauna Marl Deposits			Drainage P		
High Water Tab		Man Deposits Hydrogen Sulf			Moss Trim		States I for the
Saturation (A3) Water Marks (B			ospheres along Living	Roots (C3)		n Water Table (C2)	
Sediment Depo		Presence of R			Crayfish Bu		and the second second
Drift Deposits (		1. Contraction of the state	eduction in Tilled Soi	Is (C6)	Saturation	Visible on Aerial Im	agery (C9)
Algal Mat or Cri		Thin Muck Sur	face (C7)			ic Position (D2)	
Iron Deposits (E		Other (Explain	in Remarks)		Shallow Aq		1.1.1.1.1.1.1.1
	ble on Aerial Imager	y (B7)			FAC-Neutr		
Water-Stained	Leaves (B9)	and a second second second			Sphagnum	moss (D8) (LRR T	, U)
Field Observations	s:		. 10				
Surface Water Pres		No Depth (in		-			
Water Table Preser	nt? Yes	No Depth (in		-			
Saturation Present?		No Depth (in	ches): >2.D	_ Wetland H	lydrology Pres	ent? Yes	No
(includes capillary fr	ringe) Data (stream gauge	e, monitoring well, aerial (	nhotos, previous insc	ections), if ava	ilable:	and the second second	STREET STREET
Describe Recorded	Data (stream gauge	s, mentoning wen, aenar	priotos, provious insp				
Bomaska		•					
Remarks:							
							12
							19 1
Service and the service of the servi		and a second providence in	and the second	der distant	Section and sector	and the second second	a construction of the second second

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Sampling Point: \_\_\_\_\_034\_a

VEGETATION (Four Strata) - Use scientific na	mes of pl	ants.		Sampling Point:	
	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30ftx 30ft)	% Cover			Number of Dominant Species 4	(A)
2				Total Number of Dominant	(B)
3					(3)
5.				Percent of Dominant Species 57	(A/B)
6					1.122
7				Prevalence Index worksheet: Total % Cover of: Multiply by:	
8				OBL species         x1 =	
	and the second second second	= Total Co		FACW species x 2 =	
50% of total cover:	20% of	total cove	: <u></u>	FAC species x 3 =	
Sapling/Shrub Stratum (Plot size: 30ff x 30ff)	15	V	FAC	FACU species x 4 =	
1. Aralia spinosa 2. Pinus taeda	10	Y	FAC	UPL species x 5 =	-
3. Ligurtrum sinense	5	N	FAC	Column Totals: (A)	_ (B)
4. Ilex opaca	5	N	FAC	Prevalence Index = B/A =	_
5				Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegetation	
7	-	Land a Caller's		X 2 - Dominance Test is >50%	
B	25	= Total Co		3 - Prevalence Index is ≤3.0 <sup>1</sup>	-
50% of total cover: 17.	5 20% of	total cove	7	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain	,
Herb Stratum (Pict size: 30ff x 30ff)	20700	total bore	Contraction of the local	<sup>1</sup> Indicators of hydric soil and wetland hydrology r	must
1. Eupatorium capillifolium	30	Y	FACU	be present, unless disturbed or problematic.	
2. Solidago altissima	30	Y	FACU	Definitions of Four Vegetation Strata:	
3. Leersia Virginica	40	4	FACW	Tree - Woody plants, excluding vines, 3 in. (7.6	cm) cr
4. Phytolacca americana		N	FACU	more in diameter at breast height (DBH), regard height.	less of
5. Rubur argutus		The rest of the rest of the first	Conception and the second	Sapling/Shrub – Woody plants, excluding vines	lace
6. <u> </u>				than 3 in. DBH and greater than 3.28 ft (1 m) tall	l.
B				Herb – All herbaceous (non-woody) plants, rega	rdless
9.				of size, and woody plants less than 3.28 ft tall.	
10				Woody vine - All woody vines greater than 3.26	B ft in
11				height.	
12		Constantine Constantinatione Constantine Constantine Constantine Constantine C			
50% of total cover: <u>57.</u> Woody Vine Stratum (Plot size: <u>30 ff x30ff</u> )	5 001 -	= Total Co	23		
Mante Man Statum (Dist size: 30 ff x 30ff	20% 01	total cove	· ·		
1. Lonicera japonica	20	Y	FACU		
2. Gelsen ium sempervirens	10	Y	FAC		
3.				이 않는 것 같은 것 같은 것 같아.	
4					
5		teres de construir en la construir de construir de construir de construir de construir de construir de construir	-	Hydrophytic	
50% of total cover: 15	the second second second second second	= Total Co f total cove	/	Present? Yes X No	
Remarks: (If observed, list morphological adaptations bel	cw).	and the second second			
해가는 것은 바랍니다. 여러 가슴을 잘 다 봐.					

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Sampling Point: WSup 034 u

	the second s	to the denti	the state of the s					uicators.)	
Profile Desc	ription: (Describe	to the dopu	n needed to docun	nent the l	ndicator	or confirm	the absence of In		
Depth	Matrix		Redo Color (moist)	x Feature	5 Time	Loc	Texture	Remark	5
(inches) O-S	Color (moist)		Color (maist)		TAbe		FSL		
	10YR 4/1	100					FSL		
5-10	104R 6/2	100		•	-		FSL		And the second s
10-20	10 YR 4/4	100					FSE_		
		. Shire	and the second	- Contraction			ten di ten di ten		
							And the second		<u>a a anna an a</u>
						a manager and			and the second
	The second second	To the table of						and the second second	Maria maria
	oncentration, D=Dep	Jallan DM-	Reduced Matrix M	S-Mackar	Sand Gr	ains	<sup>2</sup> Location: PL=	Pore Lining. M=M	atrix.
Type: C=C	Indicators: (Applic	able to all L	RRs. unless other	wise not	ed.)	anrs.	Indicators for F	Problematic Hydr	ic Solls <sup>3</sup> :
Histosol			Polyvalue Be			RR S, T, U	) 1 cm Muck	(A9) (LRR O)	
a starting a description of	pipedon (A2)		Thin Dark Su				2 cm Muck	(A10) (LRR S)	
Black Hi	istic (A3)		Loamy Muck	T. M. S.		10)	Reduced V	ertic (F18) (outsid	te MLRA 150A,B) 19) (LRR P, S, T)
	en Sulfide (A4)		Loamy Gleye		(F2)		Pleamont P	Bright Loamy Soi	is (F20)
	d Layers (A5) Bodies (A6) (LRR I	- T III	Depleted Ma Redox Dark	11 Mar 1 1 Mar	-6)		(MLRA 1		
	ucky Mineral (A7) (L		Depleted Da				Red Parent	Material (TF2)	
	resence (AB) (LRR I		Redox Depre		8)		Very Shallo	w Dark Surface (1	TF12)
	uck (A9) (LRR P, T)		Marl (F10) (L			E41	Other (Expl	ain in Remarks)	
	d Below Dark Surfac ark Surface (A12)	ce (A11)	Depleted Oc Ircn-Mangan				T) <sup>3</sup> Indicators	s of hydrophytic ve	egetation and
Inick D	rairie Redox (A16) (	MLRA 150A					wetland	hydrology must b	e present,
	Jucky Mineral (S1)		Delta Ochric	(F17) (MI	LRA 151)			listurbed or proble	ematic.
Sandy C	Gleyed Matrix (S4)		Reduced Ver	rtic (F18)	(MLRA 1	50A, 150B)			
	Redox (S5)		Piedmont Flo	odplain S	my Soils (F19)	F20) MLR	A 149A, 153C, 153	D)	
Contraction of the second second	d Matrix (S6) Inface (S7) (LRR P,	STIN	Allomatous E	Sign Lua	ing cons (	1 20) (			and the second second second
			and the second	and the second second second			1	the second of the second second second second	of the change of the second
Restrictive	Laver (if observed	:	and the second of the second o	11-11-51224					
	Layer (if observed	):							~
Type:							Hydric Soll Pre	sent? Yes	No
Type: Depth (in					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		Hydric Soll Pre	sent? Yes	No
Type:							Hydric Soll Pre	sent? Yes	No
Type: Depth (in			<u> </u>				Hydric Soll Pre	sent? Yes	No
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u> </u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u> </u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>    No                                </u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in			<u> </u>	•			Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>    No                                </u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>    No                                </u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in			<u> </u>				Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in							Hydric Soll Pre	sent? Yes	<u>No</u>
Type: Depth (in			<u> </u>				Hydric Soll Pre	sent? Yes	<u>No</u>



Upland data point wsup034\_u facing south.



Upland data point wsup034\_u facing north.

	N DATA FORM -				1/7/16
Project/Site:	City/Coun	ty:	sin	Sampling Date:	11540356
Annicant Owner Dominion		and the second	_ State _ V H	Sampling Point:	WSup 035f-1
invastigatorial: ESI-M. Smith N. Mu	rphrey Section, T	ownship, Range:	NA		a de caracterista de la composición de
landform (hillsione targe etc); Headwater	Local relie	f (concave, conve	x. none): COn	cave sto	pe (%)
LRRT I	. 36.7643	Long	-76.68	28 Da	atum: WG589
Soil Map Unit Name: Nansemond loamy	Pine chy	ad the	NIM class	iteration PFC	DIC
Soil Map Unit Name: Nansemond Toamy	TING Son	10	NV/I CI253		
Are climatic / hydrologic conditions on the site typical for this	s time of year? Yes_	No	_ (if no, explain it	n Rémarks.)	-
Are Vegetation, Soil, or Hydrology s	ignificantly disturbed'	? Are "Norn	nal Circumstance	s" present? Yes	No
Are Vegetation, Soil, or Hydrology n	aturally problematic?	(If needed	l, explain any ans	wers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map			tions, transed	sts, important f	eatures, etc.
	and the second				
Hydrophytic Vegetation Present? Yes N	0 <u> </u>	the Sampled Are	a	1	
Hydric Soil Present? Yes N	0 wit	thin a Wetland?	Yes	<u> </u>	
Wetland Hydrology Present? Yes N	o				
Remarks:					
NEWAM: Bottomland	Hardwood	Fores	t		
	1100000	· · · · ·			
HYDROLOGY	second of the second	Shi waxaa	0	dicators (minimum o	Etwo required)
Watland Hydrology Indicators:			the second s		i two required!
Primary Indicators (minimum of one is required; check all t		unun durch för den sin det Ensen en sin den sin sin sin		oil Cracks (B6)	Curtage (PR)
Contraction and the Action of the Action	Fauna (B13)			Vegetated Concave	Sunace (BC)
	posits (B15) (LRR U)			Patterns (B10)	
	en Sulfide Odor (C1)		1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	n Lines (B16) on Water Table (C2	
Charles Technical and the optimized of the anticle of the technic of	d Rhizospheres along		Crayfish I		'
the second se	e of Reduced Iron (C			n Visible on Aerial Ir	magery (C9)
	Iron Reduction in Tille	a Solis (Co)		hic Position (D2)	
A second s	ick Surface (C7)			Aquitard (D3)	
And such most is a manufacture of the second s	Explain in Remarks)			tral Test (D5)	1
Inundation Visible on Aerial Imagery (87)			and the second s	m moss (D8) (LRR	T, U)
Water-Stained Leaves (B9) Field Observations:					
	oth (inches): 3				
	pth (inches):	the state of the state			
	pur (incries).	Watlan	d Hydrology Pre	sent? Yes	No
Saturation Present? Yes Vo De (includes capillary fringe)	pin (inches):	Wetlan	a nyarology i re	South 100	
Describe Recorded Data (stream gauge, monitoring well,	aerial photos, previou	is inspections), if a	vailable:	and the second	and the second second second
Remarks:					
					in the second second
1월 4일 - 1월 1일 - 1월 5월 1일 - 1일 1일 1일 - 1일 1일 1일 - 1일					
		Salah Salah Salah Salah	élenne en contra	a de la companya de l	and Chall Maria Maria Cake

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Sampling Point: WSUP0354\_0

VEGETATION (Four Strata) - Use scientific ha	mes of plants.	
Tree Stratum (Plot size: 30ft x 30ft) 1. Liquidambar styracif lua	Absolute Dominant Indicator <u>% Cover</u> Species? Status 60 Y FAC	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Ilex opaca	30 Y FAC	Total Number of Dominant Species Across All Strata: (B)
4 5		Percent of Dominant Species That Are OBL, FACW, or FAC:(DD(A/B)
6 7		Prevalence Index worksheet: Total % Cover of: Multiply by:
8 50% of total cover: 4 3	90 = Total Cover	OBL species            FACW species
Sapling/Shrub Stratum (Pld size: 30ft x 30ft) 1. Ligystrum sinense	15 Y FAC	FAC species          x 3 =           FACU species          x 4 =
2. Acer rubrum	30 Y FAC	UPL species         x 5 =           Column Totals:         (A)         (B)
3 4		Prevalence Index = B/A =
5 6 7		Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50%
8 50% of total cover: 22.	<u>45</u> = Total Cover <u>5</u> 20% of total cover: <u>9</u>	<ul> <li> 3 - Frevalence Index is ≤3.0<sup>1</sup></li> <li> Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)</li> </ul>
Herb Stratum (Plot size: 30H + 30H) 1. Arundinaria signatea	60 Y FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Boehmeria cylindrica 3.	10 N FACH	Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
4 5		more in diameter at breast height (DBH), regardless of height.
6 7		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
B 9		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
10		Woody vine – All woody vines greater than 3.28 ft in height.
12	20% of total cover	
Woody Vine Stratum (Plot size: 30ff × 30ff) 1. Lonicera japonica 2. Smilax lawrifolia	5 N FACU	
3. Smilax rotundifolia 4. Vitis rotundifolia	10 N FAC	
5	65 = Total Cover	Hydrophytic Vegetation Present? Yes No
50% of total cover: <u>32</u> .	<u>5</u> 20% of total cover: <u>13</u>	
Remarks: (If observed, list morphological adaptations belo	ow).	

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-	-		
3	U	1	L
-	-		

aling Print Wsup 035fm

rofile Description: (Describe to the depth needed to document the indicator lepth <u>Matrix Redox Features</u> Color (moist) % Color (moist) % Type' 2.5 Y 2.5/1 100	
nches) Color (moist) % Color (moist) % Type	LOG
	LOG TOMATO
	A REAL PROPERTY AND A REAL PROPERTY.
	and the second
pe: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand G	Brains. <sup>2</sup> Location: PL=Pore Lining. M=Matrix.
tric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
	(LRR S, T, U) 1 cm Muck (A9) (LRR O)
Histosol (A1) Polyvalue Below Surface (S8) ( Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S	2 cm Muck (A10) (LRR S)
Black Histic (A3) Loamy Mucky Mineral (F1) (LR	(R O) Reduced Vertic (F18) (outside MLRA 150A
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19) (LRR P, S,
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) Very Shallow Dark Surface (TF12)
Muck Presence (A8) (LRR U) Redox Depressions (FB)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR P, T) Mari (F10) (LRR U)	2월 2월 2월 2월 2월 2월 2월 2월 <del>2월 2</del> 월 2월
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 1 Thick Dark Surface (A12) Ircn-Manganese Masses (F12)	(LRR O, P, T) <sup>3</sup> Indicators of hydrophytic vegetation and
Thick Dark Surface (A12) Iron-Manganese Masses (F12) Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P,	in the terminethe property
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 1	150A, 150B)
Sandy Redox (S5) Piedmont Floodplain Soils (F19	9) (MLRA 149A)
Stripped Matrix (S6) Anomalous Bright Leamy Soils	(F20) (MLRA 149A, 153C, 153D)
Dark Surface (S7) (LRR P, S, T, U)	
strictive Layer (if observed):	
Туре:	Hydric Soll Present? Yes No
Depth (inches):	Hydric Soll Present? Fes No
marks:	

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Wetland data point wsup035f\_w facing northeast.



Wetland data point wsup035f\_w facing southeast.

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

Project/Site: ACP	City	County: _ Suffol	k	Sampling Date: 1/7/16
Applicant/Owner: Dominio	O.I.J.		state VA	Sampling Point US UP 035_
Investigator(s): ESI- M. Sm	"IL N Muchhan	tion Township Bassar	NA	
Investigator(s): <u>EST-</u> <u>M.</u> Son Landform (hillslope, terrace, etc.): <u>h</u> Subregion (LRR or MLRA): <u>LR</u> Soil Map Unit Name: <u>NUNSEMD</u> Are climatic / hydrologic conditions on the Are Vegetation <u>Soil</u> , or I Are Vegetation <u>Soil</u> , or I SUMMARY OF FINDINGS – A	$\frac{R \tau}{R \tau} Lat: 36.76$ $\frac{R \tau}{Damy} fine s$ he site typical for this time of year? Hydrology significantly distuictly distuictly groblem.	Al relief (concave, convex, 644 Long: Yes No ( urbed? Are "Normal matic? (if needed, e	none): <u>Conce</u> 76.682 NWI classific (If no, explain in R Circumstances <sup>®</sup> p explain any answe	$\frac{9}{\text{Lation:}} \xrightarrow{\text{Datum:}} \frac{206389}{\text{NA}}$
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes No Yes No Yes No	Is the Sampled Area within a Wetland?	Yes	No
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Aquatic Fauna (B13) Marl Deposits (B15) (Lf Hydrogen Sulfide Odor Oxidized Rhizospheres Presence of Reduced In	(C1) along Living Roots (C3) ron (C4)	<ul> <li>Surface Soil</li> <li>Sparsely Ver</li> <li>Drainage Pa</li> <li>Moss Trim L</li> <li>Dry-Season</li> <li>Crayfish Bur</li> </ul>	ines (B16) Water Table (C2) rows (C8)
<ul> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Jnundation Visible on Aerial Image</li> <li>Water-Stained Leaves (B9)</li> </ul>	Recent Iron Reduction     Thin Muck Surface (C7     Other (Explain in Rema ery (B7)	)	Geomorphic Shallow Aqu FAC-Neutra	
Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Saturation Present?       Yes	No Depth (inches): No Depth (inches): No Depth (inches):	>20 Wetland I	lydrology Prese	nt? Yes No
Describe Recorded Data (stream gaug	ge, monitoring well, aerial photos, p	revious inspections), if ava	ilable:	
Remarks:				

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EGETATION (Four Strata) – Use scientific na	Abcoluto	Dominant	Indicator	Sampling Point Wsup 035
Tree Stratum (Plot size: 30ft × 30ft )		Species?		Number of Dominant Species
1. Fagus grandifolia	60	Y	FACU	That Are OBL, FACW, or FAC: (A)
Ilex opaca	50	Y	FAC	
Liquidambar styraciflua	20	N	FAC	Total Number of Dominant Species Across All Strata:(B)
in the second				
			- Contraction	Percent of Dominant Species 57 (A/B)
5				That Are OBL, FACW, or FAC: (A/B)
5				Prevalence Index worksheet:
7	-			Total % Cover of: Multiply by:
3	170			OBL species x 1 =
,	130	= Total Cov	rer r	FACW species x 2 =
50% of total cover: 6	5 20% of	total cover	20	FAC species x3 =
Sapling/Shrub Stratum (Plot size: 30ff × 30ff )			1	
I Ilex opaca	25	Y	FAC	FACU species x 4 =
Magnolia virginiana	10	N	FACW	UPL species x 5 = (B)
Faques grandifolia	40	Y	FACU	Column Totals: (A) (B)
	5	N	FACU	Prevalence Index = B/A =
Quercus nigra	5	N	FAC	Hydrophytic Vegetation Indicators:
	-	a service and		1 - Rapid Test for Hydrophytic Vegetation
6				2 - Dominance Test is >50%
7		To All Parts		
B	OF	= Total Cov		3 - Prevalence Index is ≤3.01
50% cftctal cover: 42	-00	= I ctal Cov	<sup>rer</sup> 17	Problematic Hydrophytic Vegetaticn <sup>1</sup> (Explain)
50% of total cover: 12	· > 20% of	total cover		
Herb Stratum (Pict size: 30ft x 30ft )	-	N	FALL	Indicators of hydric soil and wetland hydrology must
1. Arundinaria gigantea	50	1	FACU	be present, unless disturbed or problematic.
2		A selection	1	Definitions of Four Vegetation Strata:
3.	_			Tree - Woody plants, excluding vines, 3 in. (7.6 cm) of
4.				more in diameter at breast height (DBH), regardless of
5.				height.
6.				Sapling/Shrub - Woody plants, excluding vines, less
				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				Herb – All herbaceous (non-woody) plants, regardless
B				of size, and woody plants less than 3.28 ft tall.
9	17,00000000	The second second		
10	-			Woody vine - All woody vines greater than 3.28 ft in
11, in the second se	Constant Provide a	and the second second		height.
12		Telescological and		
	30	= Total Cov		
50% of total cover: 15	20% of	total cover	: 6	
Woody Vine Stratum (Plot size: 304 × 304 )	-			
1 Smilax rotundifolia	5	Y	FAC	
2. Gelsemium sempervirens	10	Y	FAC	
2		-1	1000	19월 방 감사 등 것이 있는 4월 20일 등 가 가 가 가 있다. 19월 19일 등 19일 19일 등 19일 등 19일 19일 등 19일 등 19
	a strategy a	1.14.00.0000		
4	-	Contraction of	53116575	
5	15	= Total Co		Hydrophytic Vegetation
7				Present? Yes X No
50% of total cover: 7.	and the stand of the stand of the	total cover		
Remarks: (If observed, list morphological adaptations be	low).	Contraction of the second		

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Sampling Point: WSup 035-6

	cription: (Describe	to the de-	th needed to doou	ment the l	ndicator	or confirm	the absence of in	dicators.)	
Profile Desc Depth	Matrix	to the dep		ox Features					
inches)	Color (moist)	%	Color (moist)		Type	_Loc <sup>2</sup>	Texture	Remark	5
7-3	10YR 3/1	100					FSL	a state and the second	
3-10	10YR 6/3	90	10YR 6/1	10	D	m	FSL		
0-20	104R 5/4	100					FSL_		
			The second s						
		The second second					and the second		
	A CONTRACTOR OF THE OWNER	Transfer Color			TATAL		The second se		
	-								B. Maria
	oncentration, D=Dep	lation RM	-Reduced Matrix M	IS=Masked	Sand Gr	ains	<sup>2</sup> Location: PL=	Pore Lining. M=Ma	atrix.
ype: C=C	Indicators: (Applic	able to all	LRRs, unless othe	erwise note	ed.)	unis.	Indicators for F	Problematic Hydr	ic Solls <sup>3</sup> :
Histosol			Polyvalue E			.RR S, T, I	J) 1 cm Muck	(A9) (LRR O)	
a state water with more the print	pipedon (A2)		Thin Dark S				2 cm Muck	(A10) (LRR S)	- NI PA 450A
	istic (A3)		Loamy Muc			2 0)	Reduced Vi	ertic (F18) (outsid Icodplain Soils (F	19) (LRR P. S. 1
	en Sulfide (A4)		Loamy Gley Depleted M	1.1865-01.2017 (1.187-01) (1.18-1	F2)		Anomalous	Bright Loamy Soil	Is (F20)
	d Layers (A5) : Bodies (A6) (LRR P	. т. U)	Redox Dark		6)		(MLRA1		
	ucky Mineral (A7) (LI		The second				Red Parent	Material (TF2)	
Muck P	resence (A8) (LRR L		Redox Dep		8)		Very Shallo	w Dark Surface (1 ain in Remarks)	(F12)
	uck (A9) (LRR P, T)		Marl (F10) ( Depleted O		-	51)	Other (Exp	ain in Remarks)	
	d Below Dark Surfac ark Surface (A12)	e (A11)	Iron-Manga				T) <sup>3</sup> Indicators	s of hydrophytic ve	egetation and
Thick D	Prairie Redox (A16) (1	MLRA 150	A) Umbric Sur	face (F13) (	LRR P, T	, U)	wetland	hydrology must be	
Sandy	Mucky Mineral (S1) (	LRR O, S)	Delta Ochri	c (F17) (ML	.RA 151)			listurbed or proble	matic.
	Gleyed Matrix (S4)		Reduced V	ertic (F18) (	MLRA 1	50A, 150B			
	Redox (S5)		Piedmont F	Reight L car	ny Soils	F20) MLF	RA 149A, 153C, 153	JD)	
	d Matrix (S6) urface (S7) (LRR P, S	s. T. U)		Digit Loui	119 00110	, (		R. G. A.	
	Layer (if observed)				and the states		a she in the second second		
Type:			<u>arden</u>					10 No.	No M
Depth (in	nches):	Research States	<u></u>		distant.		Hydric Soll Pre	sent? Yes	NO
Remarks:		a protein statistica de la construcción de la construcción de la construcción de la construcción de la constru La construcción de la construcción d							
						San San			



Upland data point wsup035\_u facing northeast.



Upland data point wsup035\_u facing northwest.

WETLA	AND DETERMINATION DATA	FORM - Atlan	tic and C	Gulf Coastal	Plain Region	
Project/Site: ACP	····	City/County:	suff.	olk	Sampling Date:	1/7/16
pplicant/Owner:Dom	ining	Chyroddiny.	18 g.	Stata VA	Sampling Point	wsup036f.
pplicant/Owner:	M. Smith N. Murphing			NA		
rvestigator(s):	In Smith N. Indipling	Section, Townshi	p, Range: _		CAVE DI	
andform (hillslope, terrace, etc	LRRT Lat: 36.	Local relief (conc	ave, convex	(, none):	50	NGCS
ubregion (LRR or MLRA):	LRRT Lat: 36.	1614	Long:	-16.01	DZ DZ	itum: 0003 a
oil Map Unit Name: Lyne	chburg fine sund	y loam		NWI clas	sification: PFO	10
ra alimatic / hydrologic conditi	ions on the site typical for this time of y	ear? Yes	No	(If no, explain i	in Remarks.)	
- Manatalian Sail	, or Hydrology significantly	v disturbed?	Are "Norm	al Circumstance	s" present? Yes	No
de vegetation, con	, or Hydrology naturally pr	roblamatic?	(If needed	explain any ans	swers in Remarks.)	
SUMMARY OF FINDING	GS – Attach site map showing	g sampling po	int locati	ions, transe	cts, important i	eatures, etc.
Hydrophytic Vegetation Prese	ent? Yes No	le the Sar	npled Area			
Hydric Soil Present?	Yes No	2 2 3 5 m ( ) - S ( ) + S ( )	Vetland?	Yes	V No	
Wetland Hydrology Present?	Yes No		Venanci			
Remarks:	and the second					
		1 1				
NCW	AM: Basin Wet	land				Surger and
YDROLOGY						
Wetland Hydrology Indicate				Secondary In	dicators (minimum o	f two required)
	of one is required; check all that apply)	)		the second	Soil Cracks (B6)	
Surface Water (A1)	Aquatic Fauna (B		et gan et er et		Vegetated Concave	Surface (B8)
High Water Table (A2)	Marl Deposits (B1				Patterns (B10)	
Saturation (A3)	Hydrogen Sulfide				m Lines (B16)	and the second second
Water Marks (B1)	Oxidized Rhizospi		Roots (C3)	Dry-Sea	son Water Table (C2	:)
Sediment Deposits (B2)	Presence of Redu			Crayfish	Burrows (C8)	
Drift Deposits (B3)	Recent Iron Redu		(C6)		on Visible on Aerial In	magery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface				phic Position (D2)	
Iron Deposits (B5)	Other (Explain in I			and the second s	Aquitard (D3)	
Inundation Visible on Aer	rial Imagery (B7)			and the second s	utral Test (D5)	And the second
Vater-Stained Leaves (E				Sphagnu	im moss (D8) (LRR	T, U)
Field Observations:		. 4				
Surface Water Present?	Yes No Depth (inches	s):				
Water Table Present?	Yes No Depth (inches				/	
Saturation Present?	Yes / No Depth (inches	s):	Wetland	Hydrology Pro	esent? Yes	_ No
(includes capillary fringe)		tes provious inspe	ctions) if a	vailable:		The second second second
Describe Recorded Data (stre	eam gauge, monitoring well, aerial pho	itos, previous irispe	ccons), ir a	Valiabio.		
Damadra						
Remarks:						
						1.
						0. S. U. S. S. S.
						and the state
			Cutting Watching	Provide Children Propos	en realization and the particular of the second	

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

Sampling Point WSup036f-W

VEGETATION (I cui cuatu) - ese esternario rial	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30A × 30A) 1. Quercus phellos		Dominant Species?		Number of Dominant Species That Are OBL, FACW, or FAC:5(A)
2. Liquidambar styraciflua 3.		Y	FAC	Total Number of Dominant 5 (B)
4 5		<u></u>		Percent of Dominant Species IDO (A/B)
6				
7				Prevalence Index worksheet:
8			STATES OF	Total % Cover of: Multiply by:
b	95	= Total Co	Ver	OBL species x1 =
50% of total cover: 47.5	200% of		- 19	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30ff × 30ff )	20%0	total cover	-	FAC species x 3 =
1. Acerrubrum	30	Y	FAC	FACU species x 4 =
1. Acerian and	70	V	FAC	UPL species x 5 =
2. Liquidambar styraciflua			Contraction of the second	Column Totals: (A) (B)
3				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				× 2 - Dominance Test is >50%
8.		ZIN STATE		3 - Prevalence Index is ≤3.0 <sup>1</sup>
	50	= Total Co	ver	Problematic Hydrophytic Vegetaticn <sup>1</sup> (Explain)
50% of total cover: 25	20% of	total cover	10	
Herb Stratum (Plot size: 3017 × 3017)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. none				Definitions of Four Vegetation Strata:
2				
3				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of height.
5				
6				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				
8.				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9	aleria de la com Recentrativa	-	· · · · · · · · · · · · · · · · · · ·	
10				Woody vine - All woody vines greater than 3.28 ft in
11		and a second		height.
12		NAR GREEKS		and the second
	A Property of the second of the	= Total Co		A CONTRACTOR OF
50% of total cover:	_ 20% of	total cove	F	2011년 2011년 - 11월 11일 - 21일 - 21일 - 21일 - 21 - 21일 - 21
Woody Vine Stratum (Plot size: 3064 × 3064 )		N	-na	
1. Smilax rotundifolia	50	1	FAC	같은 것 또 없는 것을 감정한 것을 것 같아. 것을 것을 것을 것 같아.
2.				
3.	2010213			
4.				
5		and an area		Hydrophytic
And the second	50	= Total Co	ver	Vegetation
50% of total cover: 25	20% 0	f total cove	01	Present? Yes X No
Remarks: (If observed, list morphological adaptations belo		Same and south a		
			aletta la Color da Ale Met Viala estas das Ale	

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SOIL

Sampling Point WSup D3 6fw

Profile Description: (Describe to the dept	1 TRECTO TO COCL				the apsence of in	
				or commin		
Depth <u>Matrix</u> -	Color (mcist)	ox Features %	Type	Loc <sup>4</sup>	Texture	Remarks
		10	C	M	loam	And the second se
0-15 254411 90	10YB 416					A CONTRACT OF A
15-20 10YR 511 80	10 1K 61	20	C	M	Clay loan	Contraction of the second s
			States .			
The second			New York	1.1911		
					The second	Contract of the State of the St
and the second	enterio constructiones	1.15.2.580	and all		Contraction of the second	
the second of the second se						San Para Carl Carl Carl Carl Carl
	The states of the second					
				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	21	Dere Liping M-Matrix
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, N	IS=Masked	Sand Gr	ains.	Location: PL=	Pore Lining. M=Matrix. Problematic Hydric Soils <sup>3</sup> :
Hydric Soil Indicators: (Applicable to all L				and the second		
Histosol (A1)	Polyvalue E				) 1 cm Muck	
Histic Epipedon (A2)	Thin Dark S				2 cm Muck	(A10) (LRR S) ertic (F18) (outside MLRA 150A,B)
Black Histic (A3)	Loamy Mud			0)	Reduced V	Icodplain Soils (F19) (LRR P, S, T)
Hydrogen Sulfide (A4)	Loamy Gle		-2)	1	Pledmont P	Bright Loamy Soils (F20)
Stratified Layers (A5)	✓ Depleted M		-		Anomalous (MLRA 1	
Organic Bodies (A6) (LRR P, T, U)	Redox Darl					Material (TF2)
5 cm Mucky Mineral (A7) (LRR P, T, U)	Depleted D				Very Shallo	w Dark Surface (TF12)
Muck Presence (A8) (LRR U)	Redox Dep Marl (F10)		.,		Other (Expl	ain in Remarks)
1 cm Muck (A9) (LRR P, T)	Depleted C		MLRA 1	51)		
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Iron-Manga				T) <sup>3</sup> Indicators	s of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A	A REAL PROPERTY OF THE PARTY OF				wetland	hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S)	Delta Ochri				unless	listurbed or problematic.
Sandy Gleyed Matrix (S4)	Reduced V			0A, 150B)		
Sandy Redox (S5)	Piedmont F	loodplain S	oils (F19)	(MLRA 14	19A)	
Stripped Matrix (S6)	Anomalous	Bright Loan	ny Soils (	F20) (MLR	A 149A, 153C, 153	ID)
Dark Surface (S7) (LRR P, S, T, U)						
Restrictive Layer (if observed):		New York Charles	A REAL PROPERTY.	NA STRATIS		
Type:						1
Depth (inches):	<u></u>				Hydric Soll Pre	sent? Yes No
Depth (inches):	_				Hydric Soll Pre	sent? Yes <u>No</u>
ことで、「「「「「」」」を見ていた。「「」」、「」」、「」」、「」」、「」、「」、「」、「」、「」、「」、「」、「」	<u>.</u>			1	Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):				<u></u>	Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):	<u> </u>				Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes No
Depth (inches):	<u> </u>				Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>
Depth (inches):					Hydric Soll Pre	sent? Yes <u>No</u>



Wetland data point wsup036f\_w facing south.



Wetland data point wsup036f\_w facing southwest.

	WETLAND D	ETERMINATIC	ON DATA FOR	M – Atlar	tic and G	ulf Coastal P	lain Region	
Project/Site:	ACP		City/0	County:	Suffol	k	_ Sampling Date:	1/7/16
nolicant Owner	Domini	00				State VA	Sampling Point	wsup036
wastinator(a): E	SI. M. S	mith N.	Murphaysecti	on. Townshi	p. Range:	NA	Statistical internet	
	1	- ac art in a				noon COA	cave stop	e (%) </td
ubracion (I BB of	MIRAY LR	RT	Lat: 36. 76	82	Long:	-76.67	60 Dat	tum: WGS 8
all Man Linit Nam	Lanchhu	ca fine su	undy low	m		NWI classif	ication: NA	
	In the second Manager	the alte tuning! for H	his time of upar? \	100	No I	If no ernlan in	Remarks.)	
re climatic / nyuro	, Sail, or	ine site typical ici u	elasificantly distu	thad?	Are "Normal	Circumstances"	present? Yes	No
re Vegetation	, Scil, ci , Scil, ci	Hydrology	significantly dista	ation	life notified	volain any answ	ers in Remarks.)	
								aturas ata
SUMMARY OF	FINDINGS - A	Attach site map	o showing san	npling po	int locatio	ons, transect	s, important le	atures, etc.
Hydrophytic Vege Hydric Soil Prase Wetland Hydrolog	nt?	Yes Yes Yes	No	Contraction Contract	npled Area Vetland?	Yes	No/	-
Wetland Hydrolog Remarks:	gy Present?	res	ND					
YDROLOGY Wetland Hydrold	ogy Indicators:					The Area of Maria and Area Area and Ar	cators (minimum of	two required)
	s (minimum of one l	s required; check a	II that apply)	Second Second	<u></u>	Surface So		
Surface Wate	AND A REPORT OF		ic Fauna (B13)			Sparsely V	egetated Concave	Surface (B8)
High Water T			eposits (B15) (LR			Drainage P Moss Trim	Lines (B16)	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Saturation (A Water Marks			gen Sulfide Odor ( ed Rhizospheres a		Roots (C3)	Dry-Seaso	n Water Table (C2)	
Sediment De			nce of Reduced In			Crayfish Bu	urrows (C8)	
Drift Deposit		Recer	t Iron Reduction in	Tilled Soils	(C6)		Visible on Aerial Im	agery (C9)
Algal Mat or			luck Surface (C7)				ic Position (D2)	
Iron Deposits		and the second se	(Explain in Remar	ks)		FAC-Neutr	uitard (D3) al Test (D5)	
	isible on Aerial Imag ed Leaves (B9)	ery (B7)					moss (D8) (LRR T	', U)
		And the second s			1	Sector and the sector of the s		
Surface Water Pr	esent? Yes	No C	epth (inches):	VA				
Water Table Pres	sent? Yes_	V No D	epin (inches):	10				
Saturation Prese	nt? Yes_	V No D	epth (inches):	15	Wetland H	lydrology Pres	ent? Yes	No
(includes capillar Describe Record	y fringe) ed Data (stream gau	uge, monitoring wel	I, aerial photos, pro	evious Inspe	ctions), if ava	nilable:	and the second	
	and a state of the state							
Remarks:		-	Sec. 1993					
			199					
		hand had the st		aler Provin				
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Atlantic and Gulf Coastal Plain Region - Version 2.0

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Sampling Point: WS up 036.

VEGETATION (Four Strata) - Use scientific nar	nes of pl	ants.		Sampling Point: W3 up 0
	The states apply a state of the state	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft x 30ft) 1. Pinus taeda	% Cover 25	Species?	FAC	Number of Dominant Species(A)
2. Quercus phellos	25	Y	FACW	Total Number of Dominant
3.				Species Across All Strata: (B)
4.	STREET.			Percent of Dominant Species
5.				That Are OBL, FACW, or FAC:(A/B)
6				
7				Prevalence Index worksheet:
8.				Total % Cover of: Multiply by:
	50	= Total Cov	/er	OBL species $0 \times 1 = 0$
50% of total cover: 25				FACVY Species A2
Sapling/Shrub Stratum (Plot size: 3041 × 3044)				FAC species $65 \times 3 = 195$
1. Ilex opaca	15	Y	FAC	FACU species 105 x 4 = 420
2.				UPL species $50 \times 5 = 250$
3.				Column Totals: 250 (A) 925-935(B)
4				Prevalence Index = B/A = 3.67 - 3.74
4 5				Hydrophytic Vegetation Indicators:
AND A REPORT OF				
6				1 - Rapid Test for Hydrophytic Vegetation
7	The state of the state	an in the	The state	2 - Dominance Test is >50%
8	15	= Total Cov		3 - Prevalence Index is ≤3.01
50% of total cover: 7.5	200/ -4	total aguar	3	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Herb Stratum (Plot size: 30ftx 30ft)	_ 20% 01	total cover	·	1
Herb Stratum (Plct size:	10	N	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Solidago altissima 2. Eupatorium sp.	5	n/	UNK	Definitions of Four Vegetation Strata:
	10	N	FAC	
3. Charmanthium laxum	50	V	FALU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) cr
4. Lolium perenne		14	FACU	more in diameter at breast height (DBH), regardless of height.
5. Eupatorium copillifolium			Charles and the first	
6				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
8 9				of size, and woody plants less than 3.28 ft tall.
10		Dellarst.	and the second	Woody vine - All woody vines greater than 3.28 ft in
11	AND AND			height.
12				
	90	= Total Co	ver .	
50% of total cover: 45	20% of	total cover	18	
Woody Vine Stratum (Plot size: 30ft × 30ft )				
1 Wisteria sinensis	50	Y	UPL	
2 Smilax rotundifolia	15	N	FAC	
3 Lonicera i aponica	30	Y	FACU	
4				
5				Hydrophytic
5.	95	= Total Co	ver	Vegetation
50% of total cover: 47.				Present? Yes No X
and the second		total cover	· <u> </u>	
Remarks: (If observed, list morphological adaptations belo	w).			

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Sampling Point: wsup036.u

$\frac{200 \text{ (moist)}}{7R 4/3}$ $\frac{7R 4/2}{7R 4/2}$	T, U) R P, T, U) (A11)	RRs, unless ot Polyvalue Thin Dark Loamy Mu Loamy Gi Depleted Redox Da Depleted Marl (F10 Depleted Iron-Mang Umbric Si Delta Oct	MS=Masker herwise not Below Surface Surface (S9 ucky Mineral eyed Matrix (F3) ark Surface (I Dark Surface (I D	C d Sand Gri ed.) d Sand Gri ed.) (LRR S, (F1) (LRR (F2) F6) (F1) (LRR (F2) F6) (MLRA 11 Ses (F12) ( (LRR P, T LRA 151) (MLRA 15	RR S, T, U T, U) O) 51) LRR O, P, ; U) 0A, 150B)	Indicators for I Indicators for I Indicators for I Indicators for I Indicators for I Indicators Indicator Indicator Wetland Unless for Indicators Indicator Indicator Indicators Indicator Indicator Indicators Indicator Indicators Indicator Indicators Indicator Indicator Indicators Indicator	(A10) (LRR S) /ertic (F18) (outside R Floodplain Soils (F19) s Bright Loamy Soils (	Solls <sup>3</sup> : MLRA 150/ ) (LRR P, S (F20) 12) tation and present,
ntration, D=Deple ators: (Applica ators: (Applica ators: (Applica ators: (Applica ators) (A3) ator (A2) ator (A3) ator (A4) ator (A5) ator (A5) ator (A5) ator (A5) ator (A5) ator (A5) ator (A5) ator (A16) ator (A5) ator (A16) ator (A16) ator (A5) ator (A5) ator (A16) ator (A5) ator (A5) a	T, U) (A11) (IRR 150A)	Reduced Matrix, RRs, unless ot Polyvalue Thin Dark Loamy Mu Loamy GI Depleted Redox Da Depleted Marl (F10 Depleted Iron-Mang Umbric Si Delta Oct Reduced	MS=Masker herwise not Below Surfa Surface (S9 ucky Mineral eyed Matrix (F3) ark Surface (I Dark Surface (I Dar	d Sand Gri ed.) (LRR S, (F1) (LRR S, (F1) (LRR S, (F1) (LRR S, (F2) (F2) (F2) (F2) (KLRA 11 (CRR P, T (LRR P, T (KLRA 15)) (MLRA 15)	ains. RR S, T, U T, U) O) 51) LRR O, P, J, U) 50A, 150B)	<sup>2</sup> Location: PL= Indicators for I I) 1 cm Muck 2 cm Muck Reduced V Piedmont F Anomalous (MLRA 1 Red Paren Very Shalld Other (Exp T) <sup>3</sup> Indicator wetland unless of	Problematic Hydric 4 (A9) (LRR O) (A10) (LRR S) Vertic (F18) (outside R Floodplain Soils (F19) is Bright Loamy Soils ( 53B) t Material (TF2) ow Dark Surface (TF1 Jain in Remarks) is of hydrophytic vege I hydrology must be p	Solls <sup>3</sup> : MLRA 150/ ) (LRR P, S (F20) 12) tation and present,
Intration, D=Deple eators: (Applica A3) Iffide (A4) vers (A5) les (A6) (LRR P, Min eral (A7) (LR bice (A8) (LRR U) A9) (LRR P, T) ow Dark Surface urface (A12) Redox (A16) (M y Mineral (S1) (LI d Matrix (S4) x (S5)	T, U) R P, T, U) (A11)	Reduced Matrix, RRs, unless ot Polyvalue Thin Dark Loamy Mu Loamy Gi Depleted Redox Da Depleted Marl (F10 Depleted Iron-Mang Umbric Si Delta Oct Reduced	MS=Masker herwise not Below Surfa Surface (S9 ucky Mineral eyed Matrix (F3) ark Surface (I Dark Surface (I Dar	d Sand Gri ed.) (LRR S, (F1) (LRR S, (F1) (LRR S, (F1) (LRR S, (F2) (F2) (F2) (F2) (KLRA 11 (CRR P, T (LRR P, T (KLRA 15)) (MLRA 15)	ains. RR S, T, U T, U) O) 51) LRR O, P, J, U) 50A, 150B)	<sup>2</sup> Location: PL= Indicators for I I) 1 cm Muck 2 cm Muck Reduced V Piedmont F Anomalous (MLRA 1 Red Paren Very Shalld Other (Exp T) <sup>3</sup> Indicator wetland unless of	Problematic Hydric 4 (A9) (LRR O) (A10) (LRR S) Vertic (F18) (outside R Floodplain Soils (F19) is Bright Loamy Soils ( 53B) t Material (TF2) ow Dark Surface (TF1 Jain in Remarks) is of hydrophytic vege I hydrology must be p	Solls <sup>3</sup> : MLRA 150/ ) (LRR P, S (F20) 12) 12) etation and present,
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Ion (A2) A3) Ilfide (A4) vers (A5) ies (A6) (LRR P, Min eral (A7) (LRI ice (A8) (LRR U) A9) (LRR P, T) ow Dark Surface urface (A12) Redox (A16) (M y Mineral (S1) (LI d Matrix (S4) x (S5)	T, U) R P, T, U) ) 9 (A11) 1LRA 150A)	Polyvalue     Thin Dark     Loamy Mu     Loamy Gi     Depleted     Redox Da     Depleted     Redox De     Marl (F10     Depleted     Iron-Mang     Umbric Si     Delta Och     Reduced	Below Surface (S9 ucky Mineral eyed Matrix (F3) ark Surface (I Dark Surface (I Dark Surface (F1)) (LRR U) Ochric (F11) ganese Mass urface (F13) nric (F17) (MI Vertic (F18)	(F2) (LRR S, (F1) (LRR S, (F1) (LRR (F2) (F2) (F2) (F2) (F2) (F2) (F2) (F2)	T, U) 0) 51) LRR O, P, ; U) 0A, 150B)	<ul> <li>2 cm Muck Reduced V</li> <li>Piedmont F</li> <li>Anomalous</li> <li>(MLRA 1</li> <li>Red Paren</li> <li>Very Shallo</li> <li>Other (Exp</li> <li>T) <sup>3</sup>Indicator wetland unless of</li> </ul>	(A10) (LRR S) Vertic (F18) (outside R Floodplain Soils (F19) s Bright Loamy Soils ( 53B) t Material (TF2) ow Dark Surface (TF1 lain in Remarks) s of hydrophytic vege I hydrology must be p	) (LRR P, S (F20) 12) etation and present,
Ion (A2) A3) Iffide (A4) vers (A5) les (A6) (LRR P, Min eral (A7) (LRI ice (A8) (LRR U) A9) (LRR P, T) ow Dark Surface urface (A12) Redox (A16) (M y Mineral (S1) (LI d Matrix (S4) x (S5)	R P, T, U) ) e (A11) ILRA 150A)	Thin Dark Loamy Mu Loamy Gi Depleted Redox Da Depleted Redox De Marl (F10 Depleted Iron-Mang Umbric Si Delta Och Reduced	Surface (S9 ucky Mineral eyed Matrix (F3) ark Surface (I Dark Surface (I Dark Surface (F1)) (LRR U) Ochric (F11) ganese Mass urface (F13) nric (F17) (MI Vertic (F18)	) (LRR S, (F1) (LRR (F2) F6) e (F7) F8) (MLRA 15 (LRR P, T LRA 151) (MLRA 15	T, U) 0) 51) LRR O, P, ; U) 0A, 150B)	<ul> <li>2 cm Muck</li> <li>Reduced V</li> <li>Piedmont F</li> <li>Anomalous</li> <li>(MLRA 1</li> <li>Red Paren</li> <li>Very Shalld</li> <li>Other (Exp</li> <li>T) <sup>3</sup>Indicator</li> <li>wetland</li> <li>unless of</li> </ul>	Yertic (F18) (outside B Floodplain Soils (F19) S Bright Loamy Soils ( 53B) t Material (TF2) ow Dark Surface (TF1 Iain in Remarks) s of hydrophytic vege I hydrology must be p	) (LRR P, S (F20) 12) etation and present,
A3) Ifide (A4) vers (A5) les (A6) (LRR P, Min eral (A7) (LRI ice (A8) (LRR U) A9) (LRR P, T) ow Dark Surface urface (A12) Redox (A16) (M y Mineral (S1) (LI d Matrix (S4) x (S5)	R P, T, U) ) e (A11) ILRA 150A)	Loamy Gi Depleted Redox Da Depleted Redox De Marl (F10 Depleted Iron-Mang Umbric Si Delta Och Reduced	eyed Matrix ( Matrix (F3) ark Surface (I Dark Surface pressions (F ) (LRR U) Ochric (F11) ganese Mass urface (F13) nric (F17) (MI Vertic (F18)	(F2) F6) (F7) (MLRA 1: es (F12) ( (LRR P, T LRA 151) (MLRA 15	51) LRR O, P, , U) 0A, 150B)	<ul> <li>Piedmont F</li> <li>Anomalous</li> <li>(MLRA 1</li> <li>Red Paren</li> <li>Very Shallo</li> <li>Other (Exp</li> <li>T)</li> <li><sup>3</sup>Indicator</li> <li>wetland</li> <li>unless of</li> </ul>	Floodplain Soils (F19) s Bright Loamy Soils ( 53B) t Material (TF2) ow Dark Surface (TF1 lain in Remarks) is of hydrophytic vege I hydrology must be p	) (LRR P, S (F20) 12) etation and present,
rers (A5) ies (A5) (LRR P, Min eral (A7) (LR ice (A8) (LRR U) A9) (LRR P, T) ow Dark Surface urface (A12) Redox (A16) (M y Mineral (S1) (Ll d Matrix (S4) x (S5)	R P, T, U) ) e (A11) ILRA 150A)	Depleted Redox Da Depleted Redox De Marl (F10 Depleted Iron-Mang Umbric Si Delta Och Reduced	Matrix (F3) ark Surface (I Dark Surface pressions (F ) (LRR U) Ochric (F11) ganese Mass urface (F13) nric (F17) (MI Vertic (F18)	F6) (F7) (B) (MLRA 1: es (F12) ( (LRR P, T LRA 151) (MLRA 15	LRR O, P, ; U) ; 0A, 150B)	Anomalous (MLRA 1 Red Paren Very Shalld Other (Exp T) <sup>3</sup> Indicator wetland unless o	s Bright Loamy Soils ( 53B) t Material (TF2) ow Dark Surface (TF1 lain in Remarks) s of hydrophytic vege I hydrology must be p	(F20) 12) etation and present,
es (A6) (LRR P, Min eral (A7) (LR Nice (A8) (LRR U) A9) (LRR P, T) ow Dark Surface urface (A12) Redox (A16) (M y Mineral (S1) (Ll d Matrix (S4) x (S5)	R P, T, U) ) e (A11) ILRA 150A)	Redox Da Depleted Redox De Marl (F10 Depleted Iron-Mang Umbric Si Delta Och Reduced	ark Surface (I Dark Surface pressions (F ) (LRR U) Ochric (F11) ganese Mass urface (F13) nric (F17) (MI Vertic (F18)	(F7) (MLRA 1) (S) (KLRA 1) (LRR P, T (KRA 151) (MLRA 15	LRR O, P, ; U) ; 0A, 150B)	(MLRA 1 Red Paren Very Shalld Other (Exp T) <sup>3</sup> Indicator wetland unless o	53B) t Material (TF2) ow Dark Surface (TF1 lain in Remarks) s of hydrophytic vege l hydrology must be p	12) etation and present,
Min eral (A7) (LR) tee (A8) (LRR U) A9) (LRR P, T) ow Dark Surface urface (A12) Redox (A16) (M y Mineral (S1) (Ll d Matrix (S4) x (S5)	R P, T, U) ) e (A11) ILRA 150A)	Depleted Redox De Marl (F10 Depleted Iron-Mang Umbric Su Delta Och Reduced	Dark Surface pressions (F ) (LRR U) Ochric (F11) ganese Mass urface (F13) nric (F17) (M Vertic (F18)	(F7) (MLRA 1) (S) (KLRA 1) (LRR P, T (KRA 151) (MLRA 15	LRR O, P, ; U) ; 0A, 150B)	<ul> <li>Red Paren</li> <li>Very Shalld</li> <li>Other (Exp</li> </ul> T) <sup>3</sup> Indicator wetland unless of	t Material (TF2) ow Dark Surface (TF1 Iain in Remarks) is of hydrophytic vege I hydrology must be p	etation and present,
ice (A8) (LRR U) A9) (LRR P, T) ow Dark Surface urface (A12) Redox (A16) (M y Mineral (S1) (Ll d Matrix (S4) x (S5)	) 2 (A11) 1LRA 150A)	Redox De Marl (F10 Depleted Ircn-Mang Umbric Su Delta Och Reduced	epressions (F ) (LRR U) Ochric (F11) ganese Mass urface (F13) nric (F17) (M Vertic (F18)	8) (MLRA 1 es (F12) ( (LRR P, T LRA 151) (MLRA 15	LRR O, P, ; U) ; 0A, 150B)	Very Shallo Other (Exp T) <sup>3</sup> Indicator wetland unless o	ow Dark Surface (TF1 Iain in Remarks) s of hydrophytic vege I hydrology must be p	etation and present,
A9) (LRR P, T) ow Dark Surface urface (A12) Redox (A16) (M y Mineral (S1) (Ll d Matrix (S4) x (S5)	e (A11) ILRA 150A)	Marl (F10 Depleted Iron-Mang Umbric So Delta Och Reduced	) (LRR U) Ochric (F11) ganese Mass urface (F13) nric (F17) (M Vertic (F18)	(MLRA 1) ses (F12) ( (LRR P, T LRA 151) (MLRA 15	LRR O, P, ; U) ; 0A, 150B)	Other (Exp     "Indicator     wetland     unless o	lain in Remarks) s of hydrophytic vege I hydrology must be p	etation and present,
ow Dark Surface urface (A12) Redox (A16) (M y Mineral (S1) (Ll d Matrix (S4) x (S5)	ILRA 150A)	Iron-Mang Umbric Su Delta Och Reduced	ganese Mass urface (F13) nric (F17) (M Vertic (F18)	es (F12) ( (LRR P, T LRA 151) (MLRA 15	LRR O, P, ; U) ; 0A, 150B)	wetland unless o	hydrology must be p	present,
urface (A12) Redox (A16) (M y Mineral (S1) (Ll d Matrix (S4) x (S5)	ILRA 150A)	Umbric St Delta Och Reduced	urface (F13) nric (F17) (M Vertic (F18)	(LRR P, T LRA 151) (MLRA 15	; U) 0A, 150B)	wetland unless o	hydrology must be p	present,
y Mineral (S1) (Ll d Matrix (S4) x (S5)		Delta Och	vertic (F17) (MI Vertic (F18)	LRA 151) (MLRA 15	0A, 150B)	unless		
d Matrix (S4) x (S5)	.RR 0, S)	Reduced	Vertic (F18)	(MLRA 15	0A, 150B)			
x (S5)		Reduced	veruc (FID)	min /E10)	UA, 1300)			
		Diadmont	Elcodolain 5		(MLRA 14	(A0)		
		Anomalou	is Bright Lca	my Soils (	F20) (MLF	A 149A, 153C, 15	3D)	
	. T. U)						Martin Martin	And some
		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -			and the first star	a subsection of the sector		
		<u></u>						
):						Hydric Soll Pre	sent? Yes	_ No
and the set of the set of the set	and the second	and Addition pointing		are faile and and				
					Sec. 2			
								No.
		e (S7) (LRR P, S, T, U) pr (if observed): ;;:;	er (if observed):	er (ifobserved):	or (if observed):	or (if observed):	or (if observed):	or (if observed):

US Army Corps of Engineers



Upland data point wsup036\_u facing east.



Upland data point wsup036\_u facing southeast.

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

Project/Site: ACP	City/County: Suffolk Sampling Date: 5/24/16
Applicant/Owner: Dominion	State: VA Sampling Point: WSup 050+-W
Investigator(s): ESS-R.Tarnball, K. Murchver	Section, Township, Range: NA
Landform (hillslope terrace etc): Deplession	Local relief (concave, convex, none); CONCOVE Slope (%): 0-2
Subracion (I BB or MI BA): / BR T Lat 36.7	7202 Long: -76.67306 Datum: W6581
Soil Map Unit Name: RAINS Fine Sondy Worn	NWI classification:PFO
Are climatic / hydrologic conditions on the site typical for this time of year	
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrology naturally pro	
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?     Yes     No       Hydric Soil Present?     Yes     No       Wetland Hydrology Present?     Yes     No	Is the Sampled Area within a Wetland? Yes No
NCWAM; Heodwoter Forest Hydrology	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	
High Water Table (A2) Marl Deposits (B15)	
	eres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Reduct	
	tion in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	
Iron Deposits (B5) Uther (Explain in Ro	emarks) Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inches)	R NA
Water Table Present? Yes V No Depth (inches)	<u>6</u>
Saturation Present? Yes No Depth (inches)	Surface Wetland Hydrology Present? Yes No No
Describe Recorded Data (stream gauge, monitoring well, aerial photo	is, previous inspections), if available:
Remarks:	

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

Sampling Point: Wsup038f\_W

205400054			t Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 3084X3084)	% Cover	Species	FAC	Number of Dominant Species
1. Liquidambor Staracistum	25	-7	FAC	That Are OBL, FACW, or FAC: (A)
2. Pinus talda 3. Acer rubram	30		FAC	Total Number of Dominant
3. ALET VUDIUM			- me	Species Across All Strata: [ [B]
4	the second second			Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6	AND DECKNOWNED	the barrent of		Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8	-70		-	OBL species x 1 =
76		= Total Co		FACW species x 2 =
50% of total cover: <u>35</u>	20% of	total cove	r: (-)	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 3054 X 3054)	10	N	FAC	FACU species x 4 =
1. Ilex oraco				UPL species x 5 =
2 Acer rubram	20	-2-	FAC	Column Totals: (A) (B)
3. Mognolia virginiana	15		FACW	
4. CIETAVA alhibulion	-		FACW	Prevalence Index = B/A =
5. NUSSA Sylvatica	5	N	FAC	Hydrophytic Vegetation Indicators:
6. Vaccinium corymbosum	5	_N	FACW	1 Rapid Test for Hydrophytic Vegetation
7. Fogus grandifalia	5	N	FACH	2 - Dominance Test is >50%
8			-	3 - Prevalence Index is ≤3.0 <sup>1</sup>
		= Total Co		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 37. 5	20% of	total cove	r: 15	
Herb Stratum (Plot size 308+X308+)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Woodwardia avealata	40	Y	OBL	be present, unless disturbed or problematic.
2. Clethra alnisolia	5	N	FACW	Definitions of Four Vegetation Strata:
3. Arundinavia gigantea	20	Y	FACW	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
and the second secon		/		more in diameter at breast height (DBH), regardless of
5.	的形式的复数形式的影响	STATISTICS STATES		height.
6.	al barren reprint an des	0.016-00/80200-04000		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.			Contraction of the	Woody vine – All woody vines greater than 3.28 ft in height.
The second se		Contraction of the	-	neight.
12	66	= Total Co	THE OWNER OF	And the second
50% of total cover: <u>32</u> ,		total cove		
50% of total cover:	20% 01	total cove	f: <u> </u>	
Woody Vine Stratum (Plot size: 3054 (3054))	6	V	EAC	
1. Smilex rotandifolion	<u> </u>		- I-IIC	
2		the second second		
3	·	hand hereit	-	
4			-	
5		the second second	-	Hydrophytic
	5	= Total Co	over	Vegetation Present? Yes No
50% of total cover: 2.5	20% of	total cove	er:	Present? Yes No No
Remarks: (If observed, list morphological adaptations belo	w).	and the second		
	111 10 10 10 10 10 10 10 10 10 10 10 10	NUMBER OF STREET, STREE	AND THE OWNER AND PARTY.	Normal States of the States of

#### SOIL

	cription: (Describe	to the depth n			tor or confirm th	ne absence of l	ndicators.)	
Depth (inches)	Matrix Color (moist)	%	Redox Color (moist)	Features % Tv:	e' Loc <sup>2</sup>	Texture	Remarks	
()-6	104R 2/1	100				MUCKG	and a second	
6-17	2.544/1		SMR4/4	10 0	- M	Sand		
12-20	1000 <11	100	- HO V			sand		
12-20	10-11-21					John _		
	•							
<sup>1</sup> Type: C=C	Concentration, D=De	oletion, RM=Re	duced Matrix, MS	=Masked San	d Grains.		=Pore Lining, M=M Problematic Hydr	
	Indicators: (Appli	cable to all LR					k (A9) (LRR O)	0003 1
Histoso	l (A1) pipedon (A2)			face (S9) (LR	8) (LRR S, T, U) R S, T, U)		k (A10) (LRR S)	
	listic (A3)			Mineral (F1)		Reduced '	Vertic (F18) (outsid	
Hydrog	en Sulfide (A4)		Loamy Gleye	d Matrix (F2)			Floodplain Soils (F	
	d Layers (A5)		Depleted Mat			Anomalou	IS Bright Loamy Soi	IS (F2U)
	Bodies (A6) (LRR I ucky Mineral (A7) (L		Redox Dark S	k Surface (F6)			nt Material (TF2)	
	resence (A8) (LRR		Redox Depre			U Very Shal	low Dark Surface (1	F12)
1 cm M	uck (A9) (LRR P, T)		Marl (F10) (L	RR U)		Other (Ex	plain in Remarks)	
	ed Below Dark Surfa	ce (A11)		nric (F11) (MLF	RA 151) 12) (LRR O, P, T)	3Indicato	ors of hydrophytic ve	egetation and
	Park Surface (A12) Prairie Redox (A16) (	MLRA 150A)		ce (F13) (LRR			d hydrology must b	
	Mucky Mineral (S1)		Delta Ochric	(F17) (MLRA	151)		disturbed or proble	
Sandy	Gleyed Matrix (S4)		Reduced Ver	tic (F18) (MLR	A 150A, 150B)			
	Redox (S5)		Piedmont Flo	odplain Soils (	F19) (MLRA 149) oils (F20) (MLRA	149A 153C 1	53D)	
	d Matrix (S6) urface (S7) (LRR P,	S. T. U)		ngni Luaniy S		1401, 1000, 1		
	Layer (if observed		Service and the service of the servi					-
Type:			_				1	
Depth (i	nches):		_			Hydric Soil Pr	esent? Yes	No
Remarks:							and the second second second	
								-
1 1 1 1 1 1 1 1 1 1								



Wetland data point wsup038f\_w facing northeast.



Wetland data point wsup038f\_w facing southeast.

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

Project/Site:       ACP       City/County:       Sufficient       Sampling Date:       5/24/16         Applicant/Owner:       Dominion       State:       VA       Sampling Point:       Sampling Point:       Wsup038-u         Investigator(s):       EST-R. Turnbull, IS, MurPhiley       Section, Township, Range:       NA       Sampling Point:       Wsup038-u         Landform (hillslope, terrace, etc.):       hillslope       Local relief (concave, convex, none):       Convex       Slope (%):       2-44         Subregion (LRR or MLRA):       LRR       T       Lat:36-77192       Long:       7/6-67321       Datum:       Datum:       WGS &L         Soil Map Unit Name:       Rains       Since       Sondy       Upon       NWI classification:       NA         Are climatic / hydrologic conditions on the site typical for this time of year?       Yes       No       (If no, explain in Remarks.)
Investigator(s): EST-R.TURNENII, K.MURPhiley       Section, Township, Range:
Landform (hillslope, terrace, etc.): hillslope       Local relief (concave, convex, none): <u>convex</u> Slope (%): 2-14         Subregion (LRR or MLRA): <u>LRR</u> Lat: 36.77192       Long: <u>-76.67321</u> Datum: W65 81         Soil Map Unit Name: <u>Roins Fine Sondy</u> Warn       NWI classification: <u>NA</u>
Soil Map Unit Name: Roins Fine Sandy Warn NWI classification: NA
Soil Map Unit Name: Roins Fine Sandy Warn NWI classification: NA
An all and the declarity and the site trained for this time of your? You V No. (If no explain in Remarks)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes       No       Is the Sampled Area         Hydric Soil Present?       Yes       No       within a Wetland?       Yes       No         Wetland Hydrology Present?       Yes       No       Ves       No       Ves       No         Remarks:       No       Ves       No       Ves       No       Ves       No
HYDROLOGY         Wetland Hydrology Indicators:         Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)
Surface Water (A1)
High Water Table (A2) Marl Deposits (B15) (LRR U) Drainage Patterns (B10)
Saturation (A3)
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)
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)
Water-Stained Leaves (B9)
Field Observations:
Surface Water Present? Yes No Depth (inches): NA
Water Table Present?       Yes       No       Depth (inches): >20         Saturation Present?       Yes       No       Depth (inches): 16       Wetland Hydrology Present? Yes       No
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks;

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

Sampling Point: Wsup038-4

			t Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 305+ K305+) 1. Lividendrun tulipifera	% Cover	Species	PACA	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2 Acer rubrum	25	4	FAC	
3. Liquidambar styracistua		Y	FAC	Total Number of Dominant Species Across All Strata: (B)
4		-		Percent of Dominant Species & (°) (A/B)
5				That Are OBL, FACW, or FAC: (A/B)
6			-	Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8			-	OBL species x1 =
		= Total Co		FACW species x 2 =
50% of total cover: 25	20% of	total cove	er: <u>10</u>	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 3054 × 3054 )	20	~	TAC	FACU species x 4 =
1. Ilex opaca		-5-	FIL	UPL species x 5 =
2. Acer rubrum 3. Liquidambar styraciflua	10		FAC	Column Totals: (A) (B)
	10	N	FAC	
4. Magnolia virginiana	2	10	FRCW	Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				-Rapid Test for Hydrophytic Vegetation
7		-	-	2 - Dominance Test is >50%
8	HC			3 - Prevalence Index is ≤3.0 <sup>1</sup>
		= Total Co		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 22.4	20% of	total cove	ar:	
Herb Stratum (Plot size: 305+×305+) 1. Clethra algifolia	10	V	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Cletura all'itolia	-10		FACW	service and the service of the servi
2. Arcindinaria gigantea	10	-7-	FACT	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 height.
5				
6			-	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				
8				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9				of size, and woody plants less than 3.20 it tall.
10			n og Bill Bill Bill og Treft forskar state	Woody vine - All woody vines greater than 3.28 ft in
11	11111111111111111111111111111111111111			height.
12	20			
	Stream wanted with the second	= Total Co		
50% of total cover: 10	20% of	total cove	er:	
Woody Vine Stratum (Plot size: 305+×305+)	10		EAC	
	-10	-7,-	FACIA	
2. Parthenocissus quinquetalia	2		FAC	
3. Vitis rotunditolia			- <u>I-II-</u>	
4		-		/
5	25			Hydrophytic Vegetation
	a loss of the paints of the second	= Total Co		Present? Yes No
50% of total cover: 12-	and a first and a start	f total cove	er:	
Remarks: (If observed, list morphological adaptations belo	w).			
		AND DESCRIPTION OF STREET, STR		

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
0-4 104R2/1 100	
18-20 2.544/2 100 5	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matri Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric	
	0015 1
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)	(LRR P, S, T)
Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils ( Organic Bodies (A6) (LRR P. T. U) Bedox Dark Surface (F6) (MLRA 153B)	(r20)
Organic Bodies (A6) (LRR P, T, U)       Image: Redox Dark Surface (F6)       (MLRA 153B)         5 cm Mucky Mineral (A7) (LRR P, T, U)       Image: Depleted Dark Surface (F7)       Red Parent Material (TF2)	
Muck Presence (A8) (LRR U)	12)
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)	etation and
Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Indicators of hydrophytic vege Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) wetland hydrology must be p	
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) unless disturbed or problema	
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B)	
Sandy Redox (S5) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	
Stripped Matrix (S6)       Image: Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)         Dark Surface (S7) (LRR P, S, T, U)       Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	
Restrictive Layer (if observed):	
Туре:	1/
Depth (inches): Hydric Soil Present? Yes	_ No
Remarks:	



Upland data point wsup038\_u facing west



Upland data point wsup038\_u facing southwest

Project/Site: <u>ACP</u>	City/County: Star		
Applicant/Owner: Pominion			Sampling Point: US40032 F_W
Investigator(s): L. Roper, W. Vaughan	_ Section, Township, Ra	nge: None	
Landform (hillslope, terrace, etc.): Drainage Subregion (LRR or MLRA): <u>LRRT</u> Lat: <u>36</u> .	Local relief (concave, c	convex. none): Conca	Slope (%): 0-3 %
Subracian (I BB or MI BA): / RET / Lat: 26	774/19071	1000: -76 669943	BG Datum: WSG 84
Soil Map Unit Name: Mansenand loamy fine sand			
Are climatic / hydrologic conditions on the site typical for this time of y	vear? Yes No	(If no, explain in I	Remarks.)
Are Vegetation, Soil, or Hydrology significantl	y disturbed? Are "	"Normal Circumstances"	present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If ne	eeded, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	g sampling point l	ocations, transect	s, important features, etc.
Hydrophytic Vegetation Present?       Yes       No         Hydric Soil Present?       Yes       No         Wetland Hydrology Present?       Yes       No         Remarks:       Yes       Yes	within a Wetlar		No
HYDROLOGY Wetland Hydrology Indicators:		Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	)		Cracks (B6)
Surface Water (A1)	网络科学师学校 化合成体 网络小说 化分子合于分子分子		egetated Concave Surface (B8)
High Water Table (A2)			atterns (B10)
Saturation (A3)	그 같은 것 같은 것 같은 것을 것 같아요. 것 같이 있는 것 같은 것 같이 있는 것 같아요. ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	Moss Trim I	
Contract A Median Lange Contract Strength Strength Contract Strength Strength Contract Strength Strength Strength Contract Strength St Strength Strength	heres along Living Roots		Water Table (C2)
Sediment Deposits (B2) Presence of Redu	uced Iron (C4)	Crayfish Bu	rrows (C8)
Drift Deposits (B3)	ction in Tilled Soils (C6)	김 씨가 가지 한 것이 같은 것이다. 생활이들은 영양에서 가지했으며, 경험을	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)			c Position (D2)
Iron Deposits (B5)	Remarks)	Shallow Aq	
Inundation Visible on Aerial Imagery (B7)		FAC-Neutra	
Water-Stained Leaves (B9)			moss (D8) (LRR T, U)
Surface Water Present? Yes No ⊻ Depth (inche	A14 .(a		
Water Table Present? Yes Vo Depth (inche	s): 4 inches		
Saturation Present? Yes <u>V</u> No Depth (inche	s): 2 inches We	etland Hydrology Prese	ent? Yes 🗸 No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspections	s), if available:	
Remarks: inundation in some areas			
inundation in some areas			

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

Sampling Point: WSu0032F\_W

2. 200	A PARTY AND A PARTY AND ADDRESS OF A PARTY	Dominant	and the second se	Dominance Test worksheet:		OPPHICE I
		Species?	South the second second second	Number of Dominant Species	8	
1. Taxodium distichum	40	yes	081	That Are OBL, FACW, or FAC:		(A)
2. Nyssa Sylvatica	15	no	FAC	Total Number of Dominant	8	
	15	20	FAC	Species Across All Strata:	O	(B)
4. Ilex opace	15	no	FAC	Percent of Dominant Species	1	
5				That Are OBL, FACW, or FAC:	100	(A/B)
6			1			
7		CONSTRAINT:		Prevalence Index worksheet:		
8.	ASSA ST			Total % Cover of:		
	85	= Total Cov	er	OBL species x		
50% of total cover: 42.5	20% of	total cover	17	FACW species x	and the second sec	
Sapling/Shrub Stratum (Plot size: 30 x 30 Ft )				FAC species x		
1. Acer rubrum	20	ves	FAC	FACU species x	4 =	-
2. TI-x opaca		Ves	FAC	UPL species x	5 =	_
3. Carpines carolinizina	10	no	FAC	Column Totals: (A	.)	_ (B)
4. Ligustrum Sinense	And the second second second					
				Prevalence Index = B/A =	a sea salawara, a salawara a papara a sa	-
5				Hydrophytic Vegetation Indica		
6				1 - Rapid Test for Hydrophy		
7				2 - Dominance Test is >50%	6	
8				3 - Prevalence Index is ≤3.0	1	
	the second second second second	= Total Cov		Problematic Hydrophytic Ve	getation <sup>1</sup> (Expla	in)
50% of total cover: 27.5	_ 20% of	total cover	:			
Herb Stratum (Plot size: 30 × 30 f+ )				<sup>1</sup> Indicators of hydric soil and wet	and hydrology	must
1. Ligenstrum sinesse		yes	FAC	be present, unless disturbed or p	problematic.	
2. Ilex apace	5	ves	FAC	Definitions of Four Vegetation	Strata:	ST (7.378)
3				Tree - Woody plants, excluding	vines 3 in (7.6	cm) or
4.				more in diameter at breast heigh		
5.				height.		
6.				Sapling/Shrub - Woody plants,	excluding vines	less
7				than 3 in. DBH and greater than	3.28 ft (1 m) tal	i.
8						rdless
9				Herb – All herbaceous (non-woo of size, and woody plants less th	an 3.28 ft tall.	lidiess
- Construction of the second s second second s second second s second second s second second se						
10				Woody vine – All woody vines g	preater than 3.28	3 ft in
11				height.		
12	15					
F	and the second second second second	= Total Cov				
50% of total cover: 5	20% of	total cover	:			
Woody Vine Stratum (Plot size: 30 + 30++)	-			and the second second second		
1. Vitis rotundi Rolia		YES	FAC			
2. Smilax rotundifolia	5	yes	FAC			
3. Toxicodandron radicans	5	yes	FAC			
4.						
5.				Hydrophytic		
	15	= Total Cov	/er	Vegetation		
50% of total cover: 7.5	1793.000 (1996) (1996) / Par	f total cover		Present? Yes X	No	
The second se	and a state of the service	total cover				12 3 ( S. C. A. M.
Remarks: (If observed, list morphological adaptations below	w).					
			AN STREET ON	A CARRIER SPECIAL CONTRACTOR OF CARRIER OF CA		

Sampling Point: معدن 032 F\_ س

Profile Desc	ription: (Describe	to the depth n				or confirm	the absence of indi	cators.)	
Depth	Matrix Color (moist)		Rede Color (moist)	x Features	s Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
(inches)	Contraction and the second second second	CONCRETE ON A STORE		%		LUC	/	Nethalka	No. 1 No. 1
0-5	10yr 2/1			-			15		
5-8	10yr 2/1	100					<u></u>		the second second
8-20	104-4/1	100		-					
	Contraction of the second second			-			terre and the second		
				-					
				-				A STATE OF A STATE OF	
		-		-					
<sup>1</sup> Type: C=Co	oncentration, D=De	pletion, RM=Rec	duced Matrix, M	S=Masked	Sand Gra	ains.		ore Lining, M=Matrix oblematic Hydric S	
TO DAY MODE STOLEN AND THE WAY	Indicators: (Applic	cable to all LRF	Polyvalue B			DD C T II		성상에 가슴을 만들었다. 바람이 집을 가지 않는 것을 수 있다.	0115 .
Histosol	oipedon (A2)	ł	Thin Dark S				2 cm Muck (A		
Black Hi		1	Loamy Mucl	ky Mineral	(F1) (LRR		Reduced Ver	tic (F18) (outside M	
	n Sulfide (A4)	[	Loamy Gley		(F2)			odplain Soils (F19) (	
	Layers (A5) Bodies (A6) (LRR F	ат III	Depleted Ma Redox Dark		6)		(MLRA 153	right Loamy Soils (F	20)
the second se	icky Mineral (A7) (L		Depleted Da				Red Parent M		
Muck Pr	esence (A8) (LRR I	U) (U	Redox Depr	essions (F				Dark Surface (TF12	2)
the second	ick (A9) (LRR P, T)		Marl (F10) ( Depleted Od			E41	Other (Explai	n in Remarks)	
A CONTRACTOR AND A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR AND A CONTRACT	d Below Dark Surfac ark Surface (A12)	ce (A11)	Iron-Manga	Contractory and a second second	5. • 5. Okara Milleri Christia		T) <sup>3</sup> Indicators of	of hydrophytic vegeta	ation and
	rairie Redox (A16) (	MLRA 150A)	Umbric Surf				wetland h	ydrology must be pre	esent,
	lucky Mineral (S1)	(LRR O, S)	Delta Ochrid					turbed or problemat	ic.
	Bleyed Matrix (S4)	-	Reduced Ve Piedmont F						
and the second sec	Redox (S5) I Matrix (S6)						A 149A, 153C, 153D	))	
	rface (S7) (LRR P,	S, T, U)		5					Charles Inc.
Restrictive	Layer (if observed	):	A. S.						
Type:			-					- No /	
STITUTE AND APOLIST OF	ches):	die op in Wildowski		1.1.1.1.1.1.1.1			Hydric Soil Prese	ent? Yes	No
Remarks:									
100000									
and the series									
Sec. Sec.									

L



Wetland data point wsuo032f\_w facing west.



Wetland data point wsuo032f\_w facing south.

Project/Site: ACP	City/County: Suffalk Sampling Date: 3-9-16
Applicant/Owner: Daninion	State: VA Sampling Point: USuc032_U
Investigator(s): L. Roper W. Vaupan	
Landform (hillslope, terrace, etc.): Draman	Local relief (concave, convex, none): <u>Concave</u> Slope (%): <u>0-4%</u>
Subregion (LRR or MLRA): LRRT Lat: 36.	77429550 Long: -76.66995654 Datum: Wes 64
Soil Map Unit Name: No osecond lean fine sand 15-30	ear? Yes No (If no, explain in Remarks.)
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significant	y disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes       No         Hydric Soil Present?       Yes       No         Wetland Hydrology Present?       Yes       No         Remarks:       No       V	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Aquatic Fauna (B <sup>-</sup>	
High Water Table (A2)	요구 방법에 집에서 그는 것이 같아. 것이 집에서 한 것 같아. 🖛 🛶 방법에서 있는 것은 것이라는 것이 같아. 한 것이 같아. 이 것이 같아. 한 것이 같아. 이 것이 같아. 👘 👘 👘 👘 👘 문제가 다 가지 않는 것이 같아. 👘 👘 문제가 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다
Saturation (A3)	1. 사실 사실 것 같아요. 이 것 같아요. 안 있는 것 같아요. 안 있는 것 같아요. 🛶 이 이 것 같아요. 나는 것 않아요. 나는 것 같아요. 나는 것 않 것 같아요. 나는 것 않 ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?
	heres along Living Roots (C3)
Sediment Deposits (B2)	
Drift Deposits (B3) Recent Iron Redu	ction in Tilled Soils (C6)       Saturation Visible on Aerial Imagery (C9)         a (C7)       Geomorphic Position (D2)
Iron Deposits (B5)	: 이번 ANG 등 것은 사람들은 것은 이번 것은 것은 것은 것은 것을 수 있는 것은 이번 것은 것은 것에서 성공을 가지라고, 집안 수는 것은 것을 것을 가지라고 있다. 것은 것은 것을 가지라고 있는
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	i): <u>NR</u>
Water Table Present?     Yes No Depth (inchest saturation Present?       Yes No Depth (inchest saturation Present?	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial pho	os, previous inspections), if available:
Remarks:	

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

Sampling Point: (2500032\_4

20.200		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: <u>30 x 30 f+</u> ) 1. <u>none</u>	Contractory Number of State	Species?	Constant and the second second second	Number of Dominant Species (A)
2				Total Number of Dominant Species Across All Strata: (B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: 71,4 (A/B)
and the second				That Are OBL, FACW, or FAC: (A/B)
6	STATISTICS STATISTICS	The second second second second	1.	Prevalence Index worksheet:
7		torn by many a		Total % Cover of: Multiply by:
8				OBL species         x 1 =
	0	= Total Co	ver	FACW species         x 2 =
50% of total cover:	20% of	total cover	:	
Sapling/Shrub Stratum (Plot size: 30×30 fr)				FAC species x 3 =
1. Aralia Spinosa	40	VES	FAC	FACU species x 4 =
2. Ligustrum Sinense	40	ves	FAC	UPL species x 5 =
3. Carpinus caroliniana			FAC	Column Totals: (A) (B)
The second s	Steve 1278 Street	The beautiness to the state	AND THE REPORT OF A	
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6		an adama		1 - Rapid Test for Hydrophytic Vegetation
7		alan kakasa		2 - Dominance Test is >50%
8		(	and the second	$3$ - Prevalence Index is $\leq 3.0^{1}$
	90	= Total Co	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: _45	20% of	total cover	: 18	
Herb Stratum (Plot size: 30 X 30 ft)	_			1
1. Lightren Sincase	In	tier	EAr	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. Polystichum acrostichiodes		yes	FAC	Definitions of Four Vegetation Strata:
				Definitions of Four vegetation Strata.
3. Ilex opaca		and a second second second second		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4		- 275 - 210		more in diameter at breast height (DBH), regardless of
5				height.
6			100000	Sapling/Shrub - Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Not All between (non-weeds) plants regardless
9				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
이 것 같아요. 또한 10 년 10				
10				Woody vine - All woody vines greater than 3.28 ft in
11	teles a testar	And Contraction		height.
12				
		= Total Co		
50% of total cover: 12,	20% of	total cover	:_5	
Woody Vine Stratum (Plot size: 30 x 30 f+)				
1. Smilex rotund Blie	15	Ves	FAC	
2. Lonicore japonica	20	lies	FACU	
3.	THE REAL		1235234	
2010 Comparison of the second		- MARTINET	1.19 ST. 7.19	
4		Construction for		
5	- 75	the second s		Hydrophytic
		= Total Co	7	Vegetation Present? Yes No No
50% of total cover:50%	20% of	f total cover	r: <u>6/</u>	
Remarks: (If observed, list morphological adaptations belo	w).			
	and a shake	10.18 0.1.2.1	La Chiesen Sugar	

Sampling Point: (Usuo032\_U

Profile Desc	cription: (Describe	to the depth	needed to docu	ment the i	ndicator	or confirm	the absence	of indicato	rs.)	
Depth (inches)	Matrix Color (moist)	%	Rede Color (moist)	ox Features	s _Type'	Loc <sup>2</sup>	Texture		Remarks	
(inches)	10yr 3/1	190%		70			L	>30%	uncosted S	6
3-20	10xr 3/4	100 %					LS			
5-20	104 014							Constant and		
	-									
						1000	WWW. CARE			
				-	1		7. 7. 1. 1.	- HOLE STREET		
ANTER STOR							-	Ballater		
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion RM=R	educed Matrix, M	S=Masked	Sand Gr	ains.	<sup>2</sup> Location	PL=Pore L	ining, M=Matri	ix.
	Indicators: (Applic								matic Hydric	
Histoso			Polyvalue B					Muck (A9) (I		
Contraction of the second second	pipedon (A2) listic (A3)		Thin Dark S Loamy Muc					Muck (A10) ced Vertic (F		MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley			,				(LRR P, S, T)
Stratifie	d Layers (A5)		Depleted M	승규는 영국 가슴을 다 같은 것을 다 같다.			and the second se	양성 한 일이는 영제가 많이 좋다. 맛, 영영	Loamy Soils	(F20)
	Bodies (A6) (LRR P ucky Mineral (A7) (LI		Redox Dark					RA 153B) Parent Mater	ial (TF2)	
	resence (A8) (LRR U		Redox Depi				U Very	Shallow Dar	k Surface (TF	12)
	uck (A9) (LRR P, T)		Marl (F10) (			-41	U Other	(Explain in	Remarks)	
The second second second	ed Below Dark Surfac ark Surface (A12)	e (A11)	Depleted O		A. COMPANY CONTRACTOR		T) <sup>3</sup> Ind	icators of hy	drophytic vege	etation and
Coast F	Prairie Redox (A16) (I		Umbric Sur	face (F13)	(LRR P, T	r, U)	We	etland hydro	logy must be p	present,
	Mucky Mineral (S1) (	LRR O, S)	Delta Ochri					less disturb	ed or problema	atic.
	Gleyed Matrix (S4) Redox (S5)		Piedmont F							
Strippe	d Matrix (S6)						A 149A, 153	C, 153D)		
	urface (S7) (LRR P, S Layer (if observed)					and an inter				
Type:	Layer (il observed)									
The Physical States of	nches):						Hydric So	il Present?	Yes	No X
Remarks:										
The second										
12.534										
S IS GEO										
10000										

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Upland data point wsuo032\_u facing north.



Upland data point wsuo032\_u facing east.

Project/Site: <u>ACP</u>	City/County: Suffolk Sampling Date: 3-9-16
Applicant/Owner: Dominion	State: VA Sampling Point: USuc 033F-W
Investigator(s): L. Roper, W. Vaughan	Section, Township, Range:
Landform (hillslope, terrace, etc.): Drainage	Local relief (concave, convex, none): Concave Slope (%): 0-3%
Subregion (LRR or MLRA): LRRT Lat: 36.7	<u>762808</u> Long: <u>-76.666 57373</u> Datum: <u>しら84</u>
	NWI classification:PFO
Are climatic / hydrologic conditions on the site typical for this time of y	
Are Vegetation, Soil, or Hydrology significantl	/
Are Vegetation, Soil, or Hydrology significants	
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes       No         Hydric Soil Present?       Yes       No         Wetland Hydrology Present?       Yes       No	
HYDROLOGY Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: check all that apply	Surface Soil Cracks (B6)
Surface Water (A1)	가수 것은 것이 것을 하는 것이 같은 것을 하는 것을 하는 것을 수 있는 것이 같은 것이 있다. 이 방법은 것은 것이 같은 것이 같은 것은 것은 것이 같은 것이
High Water Table (A2)	
Saturation (A3)	Odor (C1) Moss Trim Lines (B16) heres along Living Roots (C3) Dry-Season Water Table (C2)
	에는 사람들은 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 📻 🖉 이 가지, 이상 비행이에서 이상 사람들이 있는 것이 하는 것이 있는 것이 없는 것이 있는 것이 없다. 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 없는 것이 있는 것이 없는 것이 있는 것이 있는 것이 있는 것이 없는 것이 없다. 것이 있는 것이 있는 것이 있는 것이 없는 것이 있는 것이 없는 것이 있는 것이 없는 것이 없
2 A subseque traise a lister rest. A subsequery for the Control of the Control	ction in Tilled Soils (C6)
Algal Mat or Crust (B4) Thin Muck Surfac	방법법법 방법을 통하는 것이 있는 것이 없는 것이 있는 것이 있는 것이 있는 것이 있는 💴 🗰 비행할 수 있는 것이 있었다. 전체법원 가격 가격에 있는 것이 있는 것이 있는 것이 없는 것이 없 않는 것이 없는 것이 없다. 것이 없는 것이 있는 것이 없는 것이 없 것이 같이 않은 것이 없는 한 것이 없는 것이 없는 것이 없 않이 않는 것이 않은 것이 없는 것이 않은 것이 없는 것이 않은 않은 것이 없다. 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 않은 것이 않은 것이 않이 않은 것이 않은 것이 않은 것이 않이 않 것이 것이 않은 것이 같이 않이
Iron Deposits (B5)	전 5. The TREE 7. HET THE TREE TO THE TREE TO THE CONTRACT STREET, ST
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Surface Water Present? Yes No Depth (inche	s): Linch
Water Table Present? Yes Vo Depth (inche	
Saturation Present? Yes <u>No</u> Depth (inche (includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspections), if available:
Demeske	
Remarks:	

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

Sampling Point: Usual33F\_w

T- 84-4- 104-4-10 20 2611	Absolute			Dominance Test worksheet:		
Tree Stratum (Plot size: <u>30x36ft</u> ) 1. <u>Taxadium</u> distichum		Species		Number of Dominant Species That Are OBL, FACW, or FAC:	4 (A)	
		ves		THAL ALE OBL, FACTY, OF FAC.	(A)	
3		CLASS STRATES AND		Total Number of Dominant Species Across All Strata:	<u>5</u> (B)	
4				Percent of Dominant Species	80 (A/B	2)
6				That Are OBL, FACW, or FAC:	(AB	"
7				Prevalence Index worksheet:		
8		S. P. S. A.		Total % Cover of:		
	40	= Total Co	ver	OBL species x 1		
50% of total cover: 20	the second state in a first state of		-	FACW species x 2		
Sapling/Shrub Stratum (Plot size: 30+30f+)				FAC species x 3		
1. Acer rubrum	10	yes	FAC	FACU species × 4		
2				UPL species x 5		
3				Column Totals: (A)	(B)	)
4				Prevalence Index = B/A =		
5				Hydrophytic Vegetation Indicate	The second s	1240
6				1 - Rapid Test for Hydrophytic		
7.				2 - Dominance Test is >50%	gounnair	
8.			a Chestern	$\square$ 3 - Prevalence Index is $\leq 3.0^1$		
THE ALL AND A DEPARTMENT OF A D		= Total Co	ver	Problematic Hydrophytic Veg	etation <sup>1</sup> (Explain)	
ے	20% of	total cove	r: <u>2</u>			
Herb Stratum (Plot size: 30x30f+)				<sup>1</sup> Indicators of hydric soil and wetla	nd hydrology must	
1. None		1.2020		be present, unless disturbed or pr	oblematic.	
2				Definitions of Four Vegetation S	itrata:	19
3				Tree - Woody plants, excluding v	ines 3 in (7.6 cm) n	ar
4				more in diameter at breast height		
5.				height.		
6.				Sapling/Shrub - Woody plants, e	xcluding vines, less	;
7.				than 3 in. DBH and greater than 3		
8.				Herb - All herbaceous (non-wood	v) plants, regardles;	s
9	1.25.60.7	STREED?		of size, and woody plants less that		
10				Woody vine - All woody vines gr	eater than 3 28 ft in	
11				height.		
12		1127225				
	0	= Total Co	ver			
50% of total cover:	20% of	total cove	r:			
Woody Vine Stratum (Plot size: 30x30ft)						
1. Lonicera japonica	5	yes	FACU			
2. Smilex retundifolia	5	Ves	FAC			
3			A Martin			
4						
5				Hydrophytic		
	10	= Total Co	ver	Vegetation		
50% of total cover:	20% of	f total cove	r: 2	Present? Yes _/	No	
Remarks: (If observed, list morphological adaptations below	w).					
		1111 212 A	diamerica in			

Sampling Point: wsu2033 F.W

Profile Des	cription: (Describe	to the depth n	eeded to docu	ment the ir	ndicator	or confirm	the absence of	indicators.)
Depth	Matrix Color (moist)		Redo Color (moist)	x Features %	Type'	Loc <sup>2</sup>	Texture	Remarks
(inches) O- /o	logr 4/2	A REAL PROPERTY AND A REAL PROPERTY A REAL PROPERTY A REAL PROPERTY AND A REAL PROPERTY A REAL PROPERTY A REAL PROPERTY AND A REAL PROPERTY A	A characteristic second second second second	and attended to statistic of the	C	Construction of the state of the	SL	Kentako
0-10	1075 1/2		yr yb					
182*				-				
-				-				A CONTRACT OF A
	1000 C	-		-				
		- <u></u> - <u></u>		-				
	oncentration, D=Dep Indicators: (Applic					ains.		L=Pore Lining, M=Matrix. or Problematic Hydric Soils <sup>3</sup> :
Hydric Soli			Polyvalue B			RR S. T. U		ck (A9) (LRR O)
and the second sec	pipedon (A2)	Ì	Thin Dark S		A POCK AND A POCK AND A POCK AND A POCK		2 cm Mu	ck (A10) (LRR S)
Contraction of the Contraction o	istic (A3)	ļ	Loamy Mucl			0)		Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4) d Layers (A5)	ļ	Loamy Gley		F2)		the second s	t Floodplain Soils (F19) (LRR P, S, T) ous Bright Loamy Soils (F20)
The second se	Bodies (A6) (LRR F	, т, U)	Redox Dark	the optimized and the state of the second	6)		the state and a second state of a party of the	(153B)
5 cm M	ucky Mineral (A7) (Li	RR P, T, U)	Depleted Da	ark Surface	(F7)			ent Material (TF2)
The second se	resence (A8) (LRR L	1)	Redox Depr	CONTRACTOR OF CONTRACTOR	B)			allow Dark Surface (TF12) xplain in Remarks)
The second se	uck (A9) (LRR P, T) d Below Dark Surfac	e (A11)	Marl (F10) ( Depleted Od		(MLRA 1	51)		
<ul> <li>A second s</li></ul>	ark Surface (A12)	1	Iron-Manga		Contraction of the second	STATISTICS IN COMPANY		ors of hydrophytic vegetation and
in the second se	Prairie Redox (A16) (	AND MANY SECOND CONTRACTORS AND A	Umbric Surf	Contractor and the state of the		, U)		nd hydrology must be present, s disturbed or problematic.
	Mucky Mineral (S1) ( Gleyed Matrix (S4)	LRR O, S)	Delta Ochrid Reduced Ve			OA. 150B)	unies	s disturbed of problematic.
the second states of the second states and second	Redox (S5)	1	Piedmont F				9A)	
	d Matrix (S6)		Anomalous	Bright Loar	my Soils (	F20) (MLR.	A 149A, 153C, 1	153D)
	Layer (if observed)							
Type:	Layer (il observed)	•						,
A STATE STATE AND	nches):						Hydric Soil P	Present? Yes <u>No</u> No
Remarks:	FI CONTRACTOR AND AND AND AND AND AND						Contract of the second second	to the service sector of the s
	Canit	retrieve	past	10 in	rehes	due	to high	water table
							Ŭ	



Wetland data point wsuo033f\_w facing north.



Wetland data point wsuo033f\_w facing east.

Photo Sheet 1 of 2

Project/Site: ACP	City/County: Suffolk Sampling Date: 3-9-16
Applicant/Owner: Dominico	State: VA Sampling Point: USU0032 4
Investigator(s): L. Roper, W. Vaccohan	
Landform (hillslope, terrace, etc.): Drainage	Local relief (concave, convex, none): Slope (%): Slope (%):
Subregion (LRR or MLRA): LRRT Lat: 36	. 776273 Long: -76 6666 14 Datum: W6584
	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of y	
Are Vegetation Soil or Hydrology significant	y disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	oblematic? (If needed, explain any answers in Remarks.)
	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes No         Hydric Soil Present?       Yes No         Wetland Hydrology Present?       Yes No         Remarks:       No	I IS LIE JAIIDIEU AIEA
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)	같다. 전화
High Water Table (A2) Saturation (A3) Hydrogen Sulfide	
	heres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2)	ced Iron (C4) Crayfish Burrows (C8)
	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Iron Deposits (B5) D Other (Explain in 1	비행 것을 알려 전했다. 김 사람은 것은 것은 것은 것은 것은 것은 것은 것을 하는 것은 것을 통해 있는 것을 가지 않는 것을 알려 주셨다. 감독하는 것은 것은 것은 것을 하는 것을 것을 것을 하는 것을 것을 수 없다. 것은 것을 것을 수 없다. 것은 것을 것을 하는 것을 것을 수 없다. 것은 것을
Iron Deposits (B5) Under (Explain in )	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No 🗶 Depth (inche	
Water Table Present?     Yes No Depth (inche Saturation Present?       Yes No Depth (inche No Depth (inche Saturation Present?	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial pho	os, previous inspections), if available:
Remarks:	

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

Sampling Point: US40033-4

	Absoluto	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 x 30A)		Dominant Species?		
1. Fagus grand folia	the second se	the second secon	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
		1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		That Are OBL, FACW, or FAC: (A)
2. Ilax opaca		yes	FAC	Total Number of Dominant
3. Carpinus caroliniana	10		FAC	Species Across All Strata: (B)
4. Liriodendron thlipifere	10	no	FACU	Read (Realized Service
5				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>55.6</u> (A/B)
2. 公式学校的现在分词 化物理 化物理化化物理化化物理化物理 化正常性化的 化合物化物 化合物化物 化合物化物 化合物化物 化合物化物化物化物化物化物化物				That Ale OBE, FACTY, BITAC (AB)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8				OBL species         x1 =
	55	= Total Cov	/er	2. Statistical methods and the state of the second state of the sta
50% of total cover: 2.7.	5 20% of	total cover	: 11	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30 x 30 f+)				FAC species x 3 =
1. Fagues grandi Colia	10	Ves	FARL	FACU species x 4 =
I. pages granicaria	25		FAL	UPL species x 5 =
2. Lighstrum sinense				Column Totals: (A) (B)
3. Iley opace	16	yes	FAC	
4			Dallaria	Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				이 같은 그는 그는 영화에 가장에 가장에 있는 것 같은 것이 같은 것이 같은 것이 같은 것은 것은 것이 같이 있는 것이 같이 있다. 것 같은 것이 같은 것이 같은 것이 같이 같이 같이 같이 같이 같이 했다.
States in the product of the second s second second s second second sec second second sec				1 - Rapid Test for Hydrophytic Vegetation
7			NACE ALLOS A	2 - Dominance Test is >50%
8		11 A.2.65 (M)		☐ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
	45	= Total Cov	/er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 22.5	5_ 20% of	f total cover	: 9	
Herb Stratum (Plot size: 30 x 30 f4)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Polystichum acrostichoides	10	1.000	EACH	be present, unless disturbed or problematic.
1. Polystichum acrosticholaes	15	- 100	The	Controls in addition of the distance of the second state of the se
2. Lighstrum Sinense	15	yes	FAC	Definitions of Four Vegetation Strata:
3	- Children -	C. C. A. S. S. M. M.	- Distriction	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4.		Superiore		more in diameter at breast height (DBH), regardless of
5				height.
102. 新闻的原始的目标的目标的 法利用的 网络龙松 的复数形式 法规律的 法公司的 医弗尔特氏试验检尿道 网络哈拉斯 化合金化合金化合金化合金化合金化合金化合金化合金化合金化合金化合金化合金化合金化				C
6				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7	Contraction and Contract			than 5 m. DBIT and greater than 5.26 m (T m) tail.
8				Herb - All herbaceous (non-woody) plants, regardless
9	1. 1. S	Sector Sector	All and the	of size, and woody plants less than 3.28 ft tall.
10				Monday All woods vises greater than 2.29 ft in
· 영향 가장에 있는 동안 수가 가 수가 가 하는 수가가 들고 사람들이 가 있는 것이 것 같아? 이 가 있는 것이 가 있는 것이 가 있는 것 않는 것이 가 있는 것을 가 하고 있는 것이 것이 것이 가 나 있다.				Woody vine – All woody vines greater than 3.28 ft in height.
11		THE REAL PROPERTY.		Theight.
12				
	CONCRETE IN ADVANCES AND	= Total Cov		
50% of total cover: 12.5	20% 0	f total cover	: 5	
Woody Vine Stratum (Plot size: 30 × 30 )				
1. Smilex rotudifolia	15	ves	FAC	
1. The second seco	20		A REAL PROPERTY OF	
2. Lonicera japonica		yes	FACU	
3			1282.18	
4				
5.			039656	Hydrophytic
	35	= Total Cov		Vegetation
	Levens Shranes Aven			Present? Yes No
50% of total cover: 17.	<u>5</u> 20% o	t total cover	:	
Remarks: (If observed, list morphological adaptations below	ow).			

Sampling Point: WSuo 033\_ u

		to the depth r				or confirm t	the absence of indicators.)	
Depth (inches)	Matrix Color (moist)	%	Rede Color (moist)	ox Feature %	s Type'	Loc <sup>2</sup>	Texture Remarks	
0-Z	10yr 3/1	100					4	
2-8	2.5 3/3	100					54	
8-20	2.5y 4/3	100 -	AND A CONTRACT	The second		-	LS	
0-20	7/3		Optimized and the second		-	Trent to		
100000000000000000000000000000000000000		-		-			The second s	
					· · · · · · · · · · · · · · · · · · ·			-
	-	-		-	-			-
-								-
Type: C=C	oncentration, D=De Indicators: (Appli	pletion, RM=Re	educed Matrix, M	S=Masked	a Sand Gra	ains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :	101
Hydric Soli		capie to all LR	Polyvalue B			RR S. T. UI	1 1 2 🛁 · 영화 수 있는 것이다. 2013년 10 2013년 2	
	pipedon (A2)		Thin Dark S				2 cm Muck (A10) (LRR S)	
Black H	istic (A3)	1993	Loamy Muc	ky Mineral	(F1) (LRR		Reduced Vertic (F18) (outside MLRA 150A,E	
	en Sulfide (A4)		Loamy Gley		(F2)		Piedmont Floodplain Soils (F19) (LRR P, S, T	()
	d Layers (A5) Bodies (A6) (LRR I	PTIN	Depleted Mi Redox Dark	States and the second states of the	=6)		Anomalous Bright Loamy Solls (F20) (MLRA 153B)	
	ucky Mineral (A7) (L		Depleted Da				Red Parent Material (TF2)	
	resence (A8) (LRR		Redox Depr	essions (F			Very Shallow Dark Surface (TF12)	
1 cm M	uck (A9) (LRR P, T)		Marl (F10) (				Other (Explain in Remarks)	
	d Below Dark Surfa	ce (A11)	Depleted O				<li><sup>3</sup>Indicators of hydrophytic vegetation and</li>	
	ark Surface (A12) Prairie Redox (A16)	(MLRA 150A)	Umbric Sur				wetland hydrology must be present,	
	Mucky Mineral (S1)		Delta Ochri				unless disturbed or problematic.	
Sandy (	Gleyed Matrix (S4)		Reduced Ve	ertic (F18)	(MLRA 15			
and the second se	Redox (S5)					(MLRA 149		
	d Matrix (S6) urface (S7) (LRR P,	S. T. U)	Anomalous	Bright Loa	my Solis (	-20) (MLRA	A 149A, 153C, 153D)	
	Layer (if observed				West Street			13/3
Type:								
Depth (ir	nches):		_				Hydric Soil Present? Yes No X	_
Remarks:	Strategy and the							
397.9								



Upland data point wsuo033\_u facing west.



Upland data point wsuo033\_u facing south.

Lat:       36.77920       Long:       76.66268       Datum:       Datum:       N65.844         Soil Map Unit Name:       RainS Fine Sondy Idam       NWI classification:       PFO         Are climatic / hydrologic conditions on the site typical for this time of year?       Yes       No       (If no. explain in Remarks.)         Are Vegetation       Soil       .or       Hydrology       significantly disturbed?       Are "Normal Circumstances" present?       Yes       No
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
No. 1 In the state of the state
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes       No       Is the Sampled Area         Hydric Soil Present?       Yes       No       within a Wetland?       Yes       No         Wetland Hydrology Present?       Yes       No       within a Wetland?       Yes       No         Remarks:       Remarks:       No       No       No       No       No
NCWAM: Headwater 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) (LRR U) Drainage Patterns (B10)
V       Saturation (A3)       Hydrogen Sulfide Odor (C1)       Moss Trim Lines (B16)         Water Marks (B1)       Oxidized Rhizospheres along Living Roots (C3)       Dry-Season Water Table (C2)
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)
Field Observations:
Surface Water Present? Yes No Depth (inches): NA
Water Table Present? Yes No Depth (inches): 611
Saturation Present? Yes <u>V</u> No Depth (inches): <u>SurFace</u> Wetland Hydrology Present? Yes <u>No</u>
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:

US Army Corps of Engineers

Atlantic and Gulf Coastal Plain Region - Version 2.0

oji.

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

Sampling Point: WSup 031f.W

2.6.112.61	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 3084 X 3084)	% Cover	Species?	Status	Number of Dominant Species
1. Liquidambar Styracifua	20	7	FAC	That Are OBL, FACW, or FAC: (A)
2. ACEY VUDRUM	5	4	FAC	Total Number of Dominant
3		1		Total Number of Dominant Species Across All Strata:
4				Percent of Dominant Species 100 % (A/B)
5				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8				OBL species x1 =
	25	= Total Co	ver	
50% of total cover: 12.	5 20% of	total cover	: 5	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 3084X3084)				FAC species x 3 =
1. Persea palustris	10	Y	FACW	FACU species x 4 =
2. TIEX UPALON	20	Y	FAC	UPL species x 5 =
	10	Ý	FACW	Column Totals: (A) (B)
3 Magnolia Virginiano	Construction of the local division of the lo	N	FAC	
4. L'iguidanbor styrocifha	5			Prevalence Index = B/A =
5. Ligustrum sinense	>	14	FAC	Hydrophytic Vegetation Indicators:
6				
7				2 - Dominance Test is >50%
8.				3 - Prevalence Index is ≤3.0 <sup>1</sup>
-	50	= Total Co	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: _25				Problematic Hydrophytic Vegetation (Explain)
Herb Stratum (Plot size: 308+X308)	20 70 01	total cover		the second second second second
Herb Stratum (Plot size: 200 ( 1900))	10	Y	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. OSmundasavum cinnamomeum				
2. Avundinaria gigantea	20		FACW	Definitions of Four Vegetation Strata:
3. Hexastylis drifolio	2	N	FAC	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. Woodward in averlato	5	N	UBL	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 5.20 it tan
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12				
	37	= Total Co	ver	
50% of total cover: 18.1	5 20% of	total cover	7.4	
Woody Vine Stratum (Plot size: 3084×3084				
1. Smilox glouco	10	1	FAC	
		-/-		
2				
3				
4				
5				Hydrophytic
	10	= Total Co	ver	Vegetation Present? Yes No
50% of total cover:	20% of	total cover	: 2	Present? Yes No
Remarks: (If observed, list morphological adaptations belo	11123			1

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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 Loc*	Texture Remarks
0-2 104R2/1 100	M muching mineral
2-20 10482/1 100	SilyL
	<sup>2</sup> Location: PL=Pore Lining. M=Matrix.
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	Indicators for Problematic Hydric Solls <sup>3</sup> :
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	
Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U	2 cm Muck (A10) (LRR S)
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O)	Reduced Vertic (F18) (outside MLRA 150A,B)
	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) 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) Mari (F10) (LRR U)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151)	
Thick Dark Surface (A12) Iren-Manganese Masses (F12) (LRR O, P,	T) <sup>3</sup> Indicators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A) Vumbric Surface (F13) (LRR P, T, U)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 14	
	A 149A 153C 153D)
	A 143A, 1000, 1000)
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed):	
Type:	Hydric Soll Present? Yes No
Depth (inches):	
Remarks:	
	. (
	. (

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Wetland data point wsup031f\_w facing south.



Wetland data point wsup031f\_w facing west.

Photo Sheet 1 of 2

2

Applicant/Owner:       DOMINION       State:       VA       Sampling Point WSUPUSIC         Investigator(s):       EST-J.Harbour, IC.MurPurPy       Section, Township, Range:       NA         Subregion (LRR or MLRA):       ERRT       Lat:       26.77914       Long:       Convex, none):       Solope (%)       2-3         Soil Map Unit Name:       ERRT       Lat:       36.77914       Long:       Tob.       Datum:       W6532         Soil Map Unit Name:       Kendosville       Voendosville       Soid, O-470       Sickeds       NVII classification:       Datum:       W6532         Soil Map Unit Name:       Kendosville       Voendosville       No       (If no. explain in Remarks.)       No       No       No       No       No       No       No       No			11 10/15	1/15
State       Definition	Project/Site: ACP	_ City/County _ Suffo	Sampling Date: 12/1	1/1)
Investigator(s): EST-3: Kartwork/, C.M.KI KURYY       Section. Township.Range       NA         andform (Hildope, lense: etc.): Field edge       Local relief (concave, corvex, none): Convex       Slope (%) 2-3         bdregon (LRR er MLRA): LRR T       Lat 26.77 9 [] // Local relief (concave, corvex, none): Convex       Datum: Wd6 **         we degatation       Solid put in thame.       KGC GOSTILE (vorcey Sorce, O - 47, Soc Ces)       NWI classification:         we degatation       Soli       or Hydrology       significantly disturbed?       Are "Normal Crounstances" present? Yes       No         SUMARY OF FINDINGS - Attach site map showing-sampling point locations, transects, important features, etc.       No       Is the Sampled Area within a Wetland?       Yes       No         Hydrophytic Vegotation Present?       Yes       No       Stacondary Indicators:       No       Sacondary Indicators:         Sufface Water (A1)       Aquatic Fauna (B13)       Sacondary Indicators:       Sufface Gol Cracks (B6)         Sufface Water (A1)       Aquatic Fauna (B13)       Sprasely Vegetated Concave Surface (B2)         Saturation (A2)       Hydropsens and Dubris (C1)       Moss Tim Lines (B10)       Distange Patterns (B10)         Saturation (A2)       Presence of Reduced Irin (C2)       Goldzee Abitropheres along Living Roots (C3)       Saturation Water Table (A2)         Saturation (A3)       Recent	Applicant/Owner: DUONIOIOO		State: Sampling Point	1031-0
battergion (LRR or MLRA)       LRRT       Lat 32.7791/H       Long-72.6.663.52       Datum: W04.54         biol Map Unit Name:       KCCCOSMULE (0000%)       Societ (0.4 47)       Societ (0.4 47)       Datum: W04.54         biol Map Unit Name:       KCCCOSMULE (0000%)       Societ (0.4 47)       Societ (0.4 7)       Datum: W04.54         ve degatation       Societ (0.4 7)       Societ (0.4 7)       No       (If no explain in Remarks.)         ve Vegatation       Societ (0.4 7)       or Hydrology (1.4 casification:       No       No       No         ve Vegatation       Societ (0.4 7)       rest (0.4 7)       No       Secondary Indicators (minimum of two resultred)       No       Secondary Indicators (minimum of two resultred)       Secondary Indicators (minimum of two resultred)       Secondary Indicators (minimum of two resultred)       Secondary Indicators (0.0 Notice A societ (0.0 Notice A societ (	Investigator(s): ESI-J. Harbour, IC. Multerreg	Section, Township, Rang	e: NA	
Soli Map Unit Name:       Kproprint Line Loomy Sond, 0-4 %       Succas       NWI classification:         ve climatic / hydrologic conditions on the site typical for this time of year? Yes       No       (If no explain in Remarks.)         ver Vegatation       Soli       or Hydrology       significantly disturbed?       Are "Normal Croumstances" present? Yes       No         SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.         Hydrophytic Vegetation Present?       Yes       No       Is the Sampled Area within a Wetland?       No       Mo         Hydrophytic Vegetation Present?       Yes       No       Is the Sampled Area within a Wetland?       No       Mo         Primary Indicators:       Yes       No       Is the Sampled Area within a Wetland?       No       Surface Soli Cracks (B0)         Finary Indicators (minimum of one is required, check all that apply)       Surface Water (A1)       Surface Water (A1)       Surface Soli Cracks (B0)         High Water Table (A2)       Mari Deposits (B15) (LRR U)       Drainage Patterns (B10)       Drainage Patterns (B10)         Water Marks (B1)       Oxidiced Rhizospheres along Living Roots (C3)       Draspesely Vegetated Concave Surface (B8)         Drift Deposits (B3)       Presence of Reduced Irm (C4)       Crayfish Burrows (C8)         Sufface Water (A1)       Oxidiced Rhizos	Landform (hillslope, terrace, etc.): Field edge	Local relief (concave, con	avex, none): COAVEX Slope (%)	2-5
bill Map Unit Name:       Kenced Sinite (locm's Sond, o-47)       Sites       NVI classification:         ver climatic / hydrologic conditions on the site typical for this time of year?       No       ((fno. etaplia) in Remarks.)         ver Vegatation       Sell       or Hydrology       significantly disturbed?       Are "Normal Creumstances" present? Yes       No         SUMMARY OF FINDINGS – Attach site map showing-sampling point locations, transects, important features, etc.         Hydrophytic Vegetation Present?       Yes       No       Is the Sampled Area within a Westand?       No       Mo         Hydrology Present?       Yes       No       Is the Sampled Area within a Westand?       No       Mo         Wetland Hydrology Present?       Yes       No       Surface Soil Cracks (B0)       Surface Soil Cracks (B0)         Straface Water (A1)       Aquatic Fauna (B13)       Sparsely Vegetated Concave Surface (BE)         High Water Table (A2)       Mart Deposits (B15) (LRR U)       Dranage Patterns (B10)       Dranage Patterns (B10)         Starface Water (A1)       Oxidiced Rhizospheres along Living Roots (C3)       Dr2       Crayfab Burrows (C8)         Baturation (A3)       Hydrogens under oduced Iron (C4)       Crayfab Burrows (C3)       Dranage Patterns (B10)         Stafface Water (A1)       Oxidiced Rhizospheres along Living Roots (C3)       Dranage Patterns (B10)<	Subregion (LRR or MLRA): LRRT Lat: 36	.77914 Lor	ng: -76, 66252 Datum: 14	167 8
ve Vegatation       . Soil       or Hydrology       significantly disturbed?       Are *Normal C roumstances* present? Yes       No         ve Vegatation       . 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.         Hydrophyte Vegetation Present?       Yes       No         Hydrology Present?       Yes       No       Is the Sampled Area         within a Wetland Hydrology Indicators:       No       Ves       No         Primary Indicators (minimum of one is required check all that apply)       Surface Goil Cracks (B0)       Surface Goil Cracks (B0)	Soil Map Unit Name: Kenonsville word,	0-490 SICRES	NWI classification:	
ve vegatation	Are climatic / hydrologic conditions on the site typical for this time of	year? Yes No	(If no, explain in Remarks.)	
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.         Hydrophytic Vegetation Present?       Yes       No	Are Vegetation, Soil, or Hydrology significan	tly disturbed? Are "No	ormal Circumstances" present? Yes V. Ne	0
Hydrophytic Vegetation Present?       Yes       No       Is the Sampled Area within a Wetland?       Yes       No         Hydric Soil Present?       Yes       No       Wetland Hydrology Present?       Yes       No         Remarks:       Metland Hydrology Indicators:       Present?       Yes       No	Are Vegetation, Scil, or Hydrology naturally	problematic? (If need	ted, explain any answers in Remarks.)	
Hydric Soil Present?       Yes       No       within a Wetland?       Yes       No         Remarks:       Wetland Hydrology Present?       Yes       No       No       No         Wetland Hydrology Indicators:       Secondary Indicators (minimum of two required)         Primary Indicators (minimum of one is required check all that apply)       Surface Soil Cracks (B0)         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 Sufface Odor (C1)       Mass Tim Lines (B10)         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)         Saturation (S5)       Other (Explain in Remarks)       Shallow Aquitard (D3)         Inrun Deposits (B5)       Other (Explain in Remarks)       Shallow Aquitard (D3)         Inrun Deposits (B5)       Depth (inches):       ZQ         Water Table Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       No       Depth (inches):       ZQ         Sufface Water Present?       Yes       No       Depth (inches): <th>SUMMARY OF FINDINGS – Attach site map showi</th> <th>ng sampling point loc</th> <th>cations, transects, important feature</th> <th>s, etc.</th>	SUMMARY OF FINDINGS – Attach site map showi	ng sampling point loc	cations, transects, important feature	s, etc.
HYDROLOGY         Wetland Hydrology Indicators: (minimum of noe is required; check all that apply)       Surface Secondary Indicators (minimum of two required)	Hydric Soil Present?     Yes No       Wetland Hydrology Present?     Yes No	-		
Wetland Hydrology Indicators:       Secondary Indicators (minimum of two required)         Primary Indicators (minimum of one is required, check all that apply)				
Wetland Hydrology Indicators:       Secondary Indicators (minimum of two required)         Primary Indicators (minimum of one is required, check all that apply)	HYDROLOGY			]
Primary Indicators (minimum of one is required, check all that apply)			Secondary Indicators (minimum of two rec	uired)
		y)		
Image: Marker (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 of 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 Table Present?       Yes       No         Vater Table Present?       Yes       No         Saturation Present?       Yes       No         Depth (inches):       Table       Yes         Saturation Present?       Yes       No         Depth (inches):       Table       Yes         Saturation Present?       Yes       No         Depth (inches):       Table       Yes         Observice Care Care Care Care Care Care Care Car				(B8)
Vater Math Method (21)     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)     Sphagnum moss (D8) (LRR T, U)  Field Observations: Surface Water Present? Yes No Depth (inches):     ZO     Wetland Hydrology Present? Yes No Depth (inches):     ZO Wetland Hydrology Present? Yes No Remarks:				
Countern Deposits (B2)     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)     Water-Stained Leaves (B9)     Field Observations:     Surface Water Present? Yes No Depth (inches): <u>&gt;20</u> Water Table Present? Yes No Depth (inches): <u>&gt;20</u> Water Table Present? Yes No Depth (inches): <u>&gt;20</u> Wetland Hydrology Present? Yes No Depth (inches): <u>&gt;20</u> Remarks:				
Algal Mat or Crust (B4)				C9)
Iron Deposits (B5)Other (Explain in Remarks)Shallow Aquitard (D3)     Inundation Visible on Aerial Imagery (B7)FAC-Neutral Test (D5)    VWater-Stained Leaves (B9)Sphagnum moss (D8) (LRR T, U)  Field Observations: Surface Water Present? YesNoDepth (inches):Q Water Table Present? YesNoDepth (inches):Q Water Table Present? YesNoDepth (inches):Q Saturation Present? YesNoDepth (inches):Q Wetland Hydrology Present? YesNoDepth (inches):Q  Finctudes capillary fringe) Describe Recorded Data (stream gauge, mcnitoring well, aerial photos, previous inspections), if available: Remarks:			Geomorphic Position (D2)	
		n Remarks)		
Field Observations:         Surface Water Present?       YesNoDepth (inches):ZO         Water Table Present?       YesNoDepth (inches):ZO         Saturation Present?       YesNoDepth (inches):ZO         Saturation Present?       YesNoDepth (inches):ZO         Under Capillary fringe)       Depth (inches):ZO         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:         Remarks:				
Surface Water Present?       YesNoDepth (inches):NA         Water Table Present?       YesNoDepth (inches):RA         Saturation Present?       YesNoDepth (inches):RA         Wetland Hydrology Present?       YesNo         Depth (inches):       >         Wetland Hydrology Present?       YesNo         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:         Remarks:			Sphagnum moss (D8) (LRK 1, 0)	
Water Table Present?       Yes No Depth (inches): ZO         Saturation Present?       Yes No Depth (inches): ZO         Wetland Hydrology Present?       Yes No         Cincludes capillary fringe)       Depth (inches): ZO         Describe Recorded Data (stream gauge, mcnitoring well, aerial photos, previous inspections), if available:       No         Remarks:       Remarks:		AN NA		
Saturation Present?       Yes No Depth (inches): Wetland Hydrology Present?       Yes No         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:         Remarks:       Remarks:	Water Table Present? Yes No Depth (incl.	nes): 720		. /
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Saturation Present? Yes No Depth (inch	nes): 720 Wetle	and Hydrology Present? Yes No _	~
	Describe Recorded Data (stream gauge, monitoring well, aerial ph	notos, previous inspections),	if available:	
Data Point taken on Field edge.	Remarks:			
Donor Ponen 12	Data print taken on field	edge.		
	Monor Portin 12	9		
	E			
	5 m			

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gB

and the state

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

Sampling Point: WSup 031-U

0	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30Ft X 30Ff 1. NUME PRESENT	% Cover Species? Status	Number of Dominant Species (A)
2.		
3		Total Number of Dominant Species Across All Strata:
4		Percent of Dominant Species $\leq 50$
5		That Are OBL, FACW, or FAC: (A/B)
6		Prevalence Index worksheet:
7		Total % Cover of:Multiply by:
8		OBL species x1 =
	= Total Cover	FACW species x 2 =
50% of total cover:	20% of total cover:	FAC species x3 =
Sapling/Shrub Stratum (Plot size: 30 8+X3057		FACU species $70 \times 4 = 280$
2		UPL species $x 5 =$ Column Totals: $\frac{90}{70 + 20}$ (A) $\frac{300 - 380}{100 - 380}$ (B)
3		70 + 20 male - 22 1/ 00
4		Prevalence Index = B/A = 3.33 - 4.22
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>
	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	20% of total cover:	
Herb Stratum (Pict size: 308+X 308+)	50 Y FACA	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Phytolacca omericana		
2 Ambrosia artesimitolia		Definitions of Four Vegetation Strata:
3. Plantago Virginica		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4. grass SP.	ac 1 une	more in diameter at breast height (DBH), regardless of height.
5		
6		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7		
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 height.
11		neight.
12	90 = Total Cover	
50% of total cover: 45	20% of total cover: 18	
Woody Vine Stratum (Plot size: 3054 X 3054)		
1. DUNE PRESENT		
2		
3.		
4.		
5		Hudrophytic
-J	C = Total Cover	Hydrophytic Vegetation
50% of total cover:		Present? Yes No
Remarks: (If observed, list morphological adaptations belo		
Remarks. (II observed, list morphological adaptations belo	w).	
field edge		
0		
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Sampling Point: Wsup 031-U

A STATE OF A DECEMPENT OF A DECEMPENTA DECEMPENTA DECEMPENT		
Profile Description: (Describe to the depth needed	to document the indicator or confirm the absence of indicators.)	
	Redox Features	
Depth <u>Matrix</u> (inches) <u>Color (moist)</u> % <u>Color (n</u>	ncist) % Type Loc <sup>2</sup> Texture Remarks	
0-14 104R2/2 10D	SL	
14-20 10GR3/4 100	<u>sl</u>	
	×	
	Matrix MS=Masked Sand Grains. <sup>2</sup> Location: PL=Pore Lining. M=Matrix.	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced I		
Hydric Soil Indicators: (Applicable to all LRRs, uni		
	yvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O)	
	n Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S)	
Black Histic (A3) Loa	amy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150.	A, B)
	amy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S	5, 1)
	pleted Matrix (F3) Anomalous Bright Loamy Soils (F20)	
	dox Dark Surface (F6) (MLRA 153B)	
Organic Boards (, is) ( inter ( ) i )	pleted Dark Surface (F7) Red Parent Material (TF2)	
	dox Depressions (F8) Very Shallow Dark Surface (TF12)	
	rl (F10) (LRR U) Other (Explain in Remarks)	
	pleted Ochric (F11) (MLRA 151)	
	n-Manganese Masses (F12) (LRR O, P, T) <sup>3</sup> Indicators of hydrophytic vegetation and	
	, manganeere (, , , , , , , , , , , , , , , , , , ,	
Coast Prairie Redox (A16) (MLRA 150A) Um	in the second seco	
	a ocime (i ir) (maint for)	
Sandy Gleyed Matrix (S4) Rec	duced Vertic (F18) (MLRA 150A, 150B)	
Sandy Redox (S5) Pie	dmont Floodplain Soils (F19) (MLRA 149A)	
Stripped Matrix (S6) And	omalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)	
Dark Surface (S7) (LRR P, S, T, U)		
Restrictive Laver (if observed):		
Restrictive Layer (if observed):	L	/
Туре:	Hydric Soll Present? Yes No	
	لله Hydric Soli Present? Yes No	_
Туре:	لله Hydric Soll Present? Yes No	_
Type: Depth (inches):	لله Hydric Soll Present? Yes No	_
Type: Depth (inches):	لله Hydric Soll Present? Yes No	_
Type: Depth (inches):	لله Hydric Soil Present? Yes No	
Type: Depth (inches):	لله Hydric Soil Present? Yes No	
Type: Depth (inches):	Hydric Soil Present? Yes No	
Type: Depth (inches):	Hydric Soll Present? Yes No	
Type: Depth (inches):	Hydric Soll Present? Yes No	
Type: Depth (inches):	Hydric Soll Present? Yes No	
Type: Depth (inches):	Hydric Soll Present? Yes No	
Type: Depth (inches):	Hydric Soll Present? Yes <u>No</u>	
Type: Depth (inches):	Hydric Soll Present? Yes <u>No</u>	
Type: Depth (inches):		
Type: Depth (inches):	Hydric Soll Present? Yes No	
Type: Depth (inches):		

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Upland data point wsup031\_u facing north.



Upland data point wsup031\_u facing south.

Project/Site: ACP	City/County: Suffilk Sampling Date: 3-15-16
Applicant/Owner: Perio i an	State: VA Sampling Point: WS40034F_4
Investigator(s): EST (L. Roper, W. Vaughan)	Section Township Range: None
Landform (hillelone terrace etc.): Disconse	Local relief (concave, convex, none): <u>Concave</u> Slope (%): <u>3-7</u>
	790 Long: -76.6490 Datum: W65.84
Subregion (LRR or MLRA): 7 ICICI Lat: 36.	740 Long: 76.6-110 Datum. 000001
Soil Map Unit Name: Nansemond Loamy time send	15-30% slope NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time of y	
Are Vegetation, Soil, or Hydrology significantly	y disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes       No         Hydric Soil Present?       Yes       No         Wetland Hydrology Present?       Yes       No         Remarks:       No       No	Is the Sampled Area within a Wetland? Yes No
NCWAM: Headwater 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)	
High Water Table (A2) Marl Deposits (B1	5) (LRR U) Drainage Patterns (B10)
Saturation (A3)	에 가슴 것이다. 것은 것 같은 것 같은 것은 것 같은 것 같은 것 같은 것 같은 것
이	neres along Living Roots (C3)
Sediment Deposits (B2)	변화법 방법 방법 관계에 위해 것 같은 것이 같이 있는 것이 같은 것이 물건을 통해 위해 이렇게 가지 않았다. 방법 방법에서 방법 방법 방법 방법 방법 방법 문제가 있는 것이 있는 것이 있는 것이 같이 나는 것이 같이 있다.
Drift Deposits (B3) Recent Iron Reduction Algal Mat or Crust (B4) Thin Muck Surface	장애물병을 안동되어 있는 것 같아요. 그는 것 그는 것 그 같은 것 📻 대표 것 같아? 비슷한 비슷한 비슷한 것 것 같아요. 한 ? 같아요. 한 것 같아요. 한 ? 한 것 같아요. 한 ? ? 한 ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?
Iron Deposits (B5)	전화 전화가 없는 것 같은 것 같은 것은 것 같은 것 같은 것 같은 것 같은 것 같은
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 <u>X</u> No Depth (inches	
Water Table Present? Yes X No Depth (inches	
Saturation Present? Yes <u>X</u> No <u>Depth</u> (inchest (includes capillary fringe)	s): Surface Wetland Hydrology Present? Yes V No
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	
	성장 입니다 그는 것이 같아요. 것이 가지 않는 것이 많이
	이 것은 말 잘 하는 것을 하는 것을 가지 않는 것을 가지 않는 것을 받았다.
	성 없을 수 없는 것이 아파 것이 집에 가격하는 것이 많이 많이 많이 했다.
where the rest of the second state of the seco	Mine States and Minister of the states of the Alexandria and Alexandria

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

Sampling Point: WSLO 034 FLW

Tree Structure (Figure 2014)       3.       3.       Number of Dominant Species       5.       (A)         2.       Table Number of Dominant Species       5.       (A)       Table Number of Dominant Species       5.       (A)         3.			Dominant		Dominance Test worksheet:
2	Tree Stratum (Plot size: 30ft x 30ft)	and the second se	manifestive and an and the second second	and the second design of the s	
3			yes	FAC	That Are OBL, FACW, or FAC: (A)
3.	2			<u></u>	Total Number of Dominant
5	3		Bland -		
5	4				Record of Deminent Consider
6					
7.					
8.       ID       = Total Cover         50% of total cover:       20% of total cover:       2         SapinorShub Stratum (Plot size:       20F + 30P.)       ////////////////////////////////////					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				1.	Total % Cover of:Multiply by:
50% of total cover: $\sum$ 20% of total cover: $\sum$ FAC washing the series is a series in the series is a series is a series in the series is a series is a series in the series is series in the series in the series is series is series in the series is series is series is series is series in the series is series is series is series is series is series in the series is seris series in the series series is series is series in the series			= Total Cov	er	OBL species x 1 =
SapinalShub Stratum (Plot size: $30F + j 20F$ )       /0       ycl FAC       FAC species       x3 =         1.       Gregarius       Generative       Generative       x5 =       UPL species       x4 =       UPL species       x5 =       UPL species       x4 =       UPL species       x5 =					FACW species x 2 =
Sabindonios Statum (Plot size:		_ 20% 01	total cover.		FAC species x 3 =
1. $D_{1} \wedge D_{2} \wedge D_{3} \wedge D_{4}$ 3. $I_{1 \times a} \circ pace$ 4. $I_{1 \times a} \circ pace$ 5. $I_{2} \wedge D_{3} \wedge D_{4}$ 6. $I_{3} \to D_{4} \wedge D_{4}$ 7. $I_{4} \to D_{4} \wedge D_{4}$ 8. $I_{2} \to D_{4} \wedge D_{4} \wedge D_{4}$ 9. $I_{2} \to D_{4} \wedge D_{4} \wedge D_{4}$ 1. $I_{4} \to D_{4} \wedge D_{4} \wedge D_{4}$ 2. $I_{2} \to D_{4} \wedge D_{4} \wedge D_{4}$ 3. $I_{2} \to D_{4} \wedge D_{4} \wedge D_{4}$ 3. $I_{2} \to D_{4} \wedge D_{4} \wedge D_{4} \wedge D_{4}$ 3. $I_{2} \to D_{4} \wedge D_{4} \wedge D_{4} \wedge D_{4} \wedge D_{4}$ 3. $I_{2} \to D_{4} \wedge D_{4}$		1-		FAR	
2       1/2 -				Annual A	[13] [13] 전화 2019 2019 2019 2019 2019 2019 2019 2019
3. $L e = Optica       S       100       Prevalence Index = B/A =$			to see a second s	Chies and the and the real of	. 이 것은 것을 알려야 한 것을 많이 있는 것을 통하는 것을 만들었다. 것은 것은 것은 것은 것은 것은 것은 것을 가지 않는 것을 가지 않는 것을 하는 것을 했다. 것은 것을 가지 않는 것을 수 있다. 것을 가지 않는 것을 수 있다. 것을 것을 것을 가지 않는 것을 가지 않는 것을 것을 수 있다. 가지 않는 것을 것을 것을 것을 것을 수 있다. 것을
5.	3. Ilex opaca		no	FAC	
6.	4			<u></u>	Prevalence Index = B/A =
6.	5		Constant of the second	dalah ing	Hydrophytic Vegetation Indicators:
7.	6			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	나는 그는 그는 것을 넣었는 것을 못 한 것을 알고 있었다. 그는 것을 물러 가지 않는 것을 것을 것을 하는 것을 다 가지 않는 것을 하는 것을 수 있다. 것을 하는 것을 하는 것을 하는 것을 하는 것을 하는 것을 수 있다. 것을 하는 것을 하는 것을 수 있는 것을 수 있는 것을 수 있는 것을 수 있다. 것을 하는 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있다. 것을
8.	7		All the second second		
$\frac{35}{5} = \text{Total Cover}$ $\frac{35}{50\% \text{ of total cover: } 7}$ $\frac{1}{1.5} 20\% \text{ of total cover: } 7$				ATRUL.	
50% of total cover: $\boxed{7}$ In tradiction type project regulation (tep party)         Number of total cover: $\boxed{7}$ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Definitions of Four Vegetation Strate:         The Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.         Sapeling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.         Res		35	= Total Cov	er	
Herb Stratum (Plot size: $30Ft + 30Ft$ )       10       yc.s       FACtor         1.       Aturch motion       gigan frag       10       yc.s       FACtor         2.       Ligest frage       10       yc.s       FACtor       Definitions of Four Vegetation Strata:         3.	50% of total cover: 17.5	a company of the second s			
1. Arundronic grantea       10       ycs       FACtor         2. Liguidiane sincese       10       ycs       FACtor         3.       10       ycs       FACtor         4.       10       ycs       FACtor         5.       10       ycs       FACtor         6.       10       ycs       FACtor         7.       10       ycs       FACtor         8.       10       10       10         9.       10       10       10         10.       11       10       11         11.       11       11       11         12.       10       20% of total cover:       10         13.       20% of total cover:       10       20% of total cover:         50% of total cover:       10       20% of total cover:       11         12.       10       20% of total cover:       11         13.       10.       20% of total cover:       11         14.       11       10       20% of total cover:       11         14.       11       10       20% of total cover:       14         15.       10       10       10       10       10 <td>74.5</td> <td></td> <td></td> <td>West Development of the later</td> <td>1</td>	74.5			West Development of the later	1
3.	1 Douglassin and the	10	Ves	FACIN	he present unless disturbed or problematic.
3.	1. Milliona Jigantea	10	1.05	FIL	Definitions of Four Vanitation Strata:
4.	2 Sinense		1003	FAC	
5.					
S.	4				
7.	5				neight.
8.	6			100 100 D	Sapling/Shrub - Woody plants, excluding vines, less
9 of size, and woody plants less than 3.28 ft tall. 10 11 for each of size, and woody plants less than 3.28 ft tall. 11 12 $20^{\circ}$ = Total Cover 50% of total cover: 20% of total cover: 4 <u>Voody Vine Stratum</u> (Plot size: <u>30f+ + 30f+</u> ) 1. <u><i>none</i></u> 2 1. <u><i>none</i></u> 3 Hydrophytic 5 0 = Total Cover 50% of total cover: Yes No	7		and the second second		than 3 in. DBH and greater than 3.28 ft (1 m) tall.
9 of size, and woody plants less than 3.28 ft tall. 10 11 for each of size, and woody plants less than 3.28 ft tall. 11 12 $20^{\circ}$ = Total Cover 50% of total cover: 20% of total cover: 4 <u>Voody Vine Stratum</u> (Plot size: <u>30f+ + 30f+</u> ) 1. <u><i>none</i></u> 2 1. <u><i>none</i></u> 3 Hydrophytic 5 0 = Total Cover 50% of total cover: Yes No	8				Herb – All herbaceous (non-woody) plants, regardless
10.					of size, and woody plants less than 3.28 ft tall.
11.       Image: Color of total cover         12.       Image: Color of total cover         50% of total cover:       Image: Color of total cover         50% of total cover:       Image: Color of total cover         1.       Image: Color of total cover         2.       Image: Color of total cover         3.       Image: Color of total cover         4.       Image: Color of total cover         50% of total cover:       Image: Color of total cover         50% of total cover:       Image: Color of total cover         50% of total cover:       Image: Color of total cover         50% of total cover:       Image: Color of total cover         50% of total cover:       Image: Color of total cover         50% of total cover:       Image: Color of total cover         50% of total cover:       Image: Color of total cover					Weedu vize All weedu vizes greater than 3.28 ft in
12					
		1717119	TO BE CHART		
$50\% \text{ of total cover: } \underline{16} 20\% \text{ of total cover: } \underline{4} \\ \underline{Woody Vine Stratum} (Plot size: \underline{30f+30f+}) \\ 1. \underline{Aone} \\ 2. \underline{2.} \\ 3. \underline{3.} \\ 4. \underline{5.} \\ 5. \underline{0} = \text{Total Cover} \\ 50\% \text{ of total cover: } 20\% \text{ of total cover: } \\ \underline{00} = \text{Total Cover} \\ Yes \underline{Ves} \\ No \underline{10} \\ Yes \underline{Ves} \\ Yes $		20	= Total Cov		References and the company to the second
Woody Vine Stratum (Plot size: $3 \ominus f + 1 \otimes 0 f + 1$ )         1. $\square \square \square \square \square$ 2. $\square$ 3. $\square$ 4. $\square$ 5. $\square$ $50\%$ of total cover: $\square$ $20\%$ of total cover: $\square$ $Yes$ $No$	50% of total cover: //				
1		_ 20 % 01	total cover.		
2					and the second and share the latest first the
3.					n Star - Second and All Star Star Star Star
4	2				
5 = Total Cover 50% of total cover: 20% of total cover: Hydrophytic Vegetation Present? Yes No	3	1000 (1000) 1000	- Arthonyour	<u>-0-00</u>	
O         = Total Cover         Vegetation           50% of total cover:         20% of total cover:         Present?         Yes         No	4		<u></u>		
50% of total cover: 20% of total cover: Present? Yes No	5			<u></u>	Hydrophytic
50% of total cover: 20% of total cover:		0	= Total Cov	er	
Remarks: (If observed, list morphological adaptations below).	50% of total cover:	20% of	total cover:		Present? Yes No No
	Remarks: (If observed, list morphological adaptations below	w).			
병이 사람들은 사람들은 것을 걸려 있는 것이 같은 것이 가장에 비행했다. 것이 가지 않는 것은 것이 같은 것이 없다. 것이 같은 것이 없는 것이 같은 것이 없다. 것이 같은 것이 있는 것이 없는 것이 없다. 것이 같은 것이 없는 것이 없다. 것이 없는 것이 없는 것이 않다. 것이 없다.					
맛 방법 2017년 1월 2017년 2월 2017년 1월 2017년 1월 2017년 1월 2017년 1월 2017년 1월 2017년 1월 2017년 2월 2017년 1월 2017년 2월 2017년 1					
잡은 그들 전문, 회사님, 그렇게 지난 것이 것이 같이 많이 있는 것이 나라는 것이 많은 것이 같이 많이 있는 것이 없는 것이 없 것이 없					
2. 1 : 2 : 2 : 2 : 2 : 2 : 2 : 2 : 2 : 2 :					

Sampling Point: USU0034F.W

Depth	Matrix		Redo	ox Features				
inches)	Color (moist)	%	Color (moist)	% Type Loc	<sup>2</sup> Texture		Remarks	
5-5	10,r3/1	100		Noble - Noble - No	L			
5-10	10 yr 3/2	100	A Star West Instance		SL			
10-20	10 yr 4/2	95	10 yr 5/8	5	54	0 		
Histosol Histosol Black H Hydrogu Stratifie Organic 5 cm M Muck P	Indicators: (Applic	able to all L ', T, U) RR P, T, U)	RRs, unless othe Polyvalue Ba Thin Dark Sa Learny Muck Learny Gley Depleted Ma Redox Dark Depleted Dark	elow Surface (S8) (LRR S, urface (S9) (LRR S, T, U) cy Mineral (F1) (LRR O) ed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7) essions (F8)	Indicators T, U) 1 cm M 2 cm M Reduct Piedme Anoma (MLF Red Pa Very S	for Problem luck (A9) (L luck (A10) ( ed Vertic (F cont Floodpla lous Bright (A 153B) arent Materi	(LRR S) (18) (outside R ain Soils (F19) Loamy Soils ( ial (TF2) « Surface (TF1	Solls <sup>a</sup> : VILRA 150A,E (LRR P, S, T F20)
	d Below Dark Surface	- ()		chric (F11) (MLRA 151) nese Masses (F12) (LRR C	), P, T) <sup>3</sup> Indic	ators of hyd	drophytic vege	
Coast F Sandy f Sandy f Sandy f Sandy F Dark Su	ark Surface (A12) Prairie Redox (A16) ( Mucky Mineral (S1) ( Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P, 3 Layer (If observed)	LRR O, S) 5, T, U)	Delta Ochric Reduced Ve Piedmont Fl	ace (F13) (LRR P, T, U) : (F17) (MLRA 151) rrtic (F18) (MLRA 150A, 15 ∞dplain Soils (F19) (MLR Bright Lcamy Soils (F20) (I	unie 50B) A 149A)	ess disturbe	ogy must be p d or problema	
Coast F Sandy I Sandy C Sandy F Sandy F Dark Su	Prairie Redox (A16) ( Mucky Mineral (S1) ( Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P, 5)	LRR O, S) 5, T, U)	Delta Ochric Reduced Ve Piedmont Fl	ace (F13) (LRR P, T, U) : (F17) (MLRA 151) :rtic (F18) (MLRA 150A, 15 codplain Soils (F19) (MLR	unie 50B) A 149A) MLRA 149A, 153C	, 153D)	ed or problema	
Coast F Sandy I Sandy G Sandy G Stripped Dark Su Cestrictive	Prairie Redox (A16) ( Mucky Mineral (S1) ( Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P, 3 Layer (If observed)	LRR O, S) 5, T, U)	Delta Ochric Reduced Ve Piedmont Fl	ace (F13) (LRR P, T, U) : (F17) (MLRA 151) :rtic (F18) (MLRA 150A, 15 codplain Soils (F19) (MLR	unie 50B) A 149A)	, 153D)	ed or problema	
Coast F Sandy I Sandy I Sandy F Stripped Dark Su estrictive Type: Depth (in emarks:	Prairie Redox (A16) ( Mucky Mineral (S1) ( Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P, : Layer (If observed)	LRR O, S) S, T, U) :	Delta Ochric Reduced Ve Piedmont FI Anomalous	ace (F13) (LRR P, T, U) : (F17) (MLRA 151) :rtic (F18) (MLRA 150A, 15 codplain Soils (F19) (MLR	unie 50B) A 149A) MLRA 149A, 153C	, 153D)	ed or problema	
Coast F Sandy I Sandy G Sandy G Stripped Dark Su estrictive Type: Depth (in emarks:	Prairie Redox (A16) ( Mucky Mineral (S1) ( Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P, : Layer (If observed)	LRR O, S) S, T, U) :	Delta Ochric Reduced Ve Piedmont FI Anomalous	ace (F13) (LRR P, T, U) : (F17) (MLRA 151) :rtic (F18) (MLRA 150A, 15 codplain Soils (F19) (MLR	unie 50B) A 149A) MLRA 149A, 153C	, 153D)	ed or problema	
Coast F Sandy I Sandy I Sandy I Stripped Dark Su Cestrictive Type: Depth (in temarks:	Prairie Redox (A16) ( Mucky Mineral (S1) ( Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P, : Layer (If observed)	LRR O, S) S, T, U) :	Delta Ochric Reduced Ve Piedmont FI Anomalous	ace (F13) (LRR P, T, U) : (F17) (MLRA 151) :rtic (F18) (MLRA 150A, 15 codplain Soils (F19) (MLR	unie 50B) A 149A) MLRA 149A, 153C	, 153D)	ed or problema	



Wetland data point wsuo034f\_w facing south.



Wetland data point wsuo034f\_w facing north.

Photo Sheet 1 of 2

			City	County: Si	affolk		Sampling Date: 3	3-15
Applicant/Owner: Domin	im				S	state: UA	Sampling Point: LA	
Investigator(s): <u>EST (L.</u>	Rover 12.	Vaushan	Se	ction Township	Range	None		
Landform (hillslope, terrace, e	tory Hillel	- Ch	/ Uci	al soliof (conse		and: Cemiler	Siene	(0/) 2-7%
Subregion (LRR or MLRA):	DOT	<del>7</del> -	1	an relier (conca	ive, convex, i	76/4097	Slope	1.1. 5011
								n: 106384
Soil Map Unit Name: Nang		and the second second second						
Are climatic / hydrologic condi	itions on the si	te typical fo	or this time of year?	Yes	No (I	If no, explain in Re	marks.)	
Are Vegetation, Soil	, or Hydr	ology	significantly dist	turbed?	Are "Normal	Circumstances" pr	esent? Yes /	No
Are Vegetation, Soil	, or Hydr	ology	naturally proble	matic?	(If needed, ex	xplain any answer	s in Remarks.)	
SUMMARY OF FINDIN	GS – Attac	h site m	ap showing sa	ampling poi	int locatio	ns, transects,	important fea	tures, etc.
Hydrophytic Vegetation Pres			No	Is the Sam	pled Area			
Hydric Soll Present?		/es		within a W	letland?	Yes	No_V	
Wetland Hydrology Present? Remarks:	<u>}                                    </u>	'es	_ No		tan an a		de l'angler de la company	1000
HYDROLOGY	nis 1991 i sunis da 1998 de la 1996 Médical de Cala	en di Matsain Ration	and the second s	n anna an Anna an Anna Martin an Anna Anna Anna 1983 A' Martin an Anna		n - 11 maan - 11 o 1953 - Alexandro - 17 M 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977 - 1977		1 
Wetland Hydrology Indicat	tors:			i sanaghira (se, shike) Ta		Secondary Indicat	ors (minimum of tw	o required)
Primary Indicators (minimum		ired: check	call that apply)			Surface Soil C		o rogancar
Surface Water (A1)	1010101010104	States and the second states	atic Fauna (B13)	and a state of the	244 C.		etated Concave Su	face (B8)
High Water Table (A2)		the second s	Deposits (B15) (L	RR U)	and the second second	Drainage Patt		
Saturation (A3)			Irogen Sulfide Odor		in a n	Moss Trim Lin		mainten The
Water Marks (B1)		Oxi	dized Rhizospheres	s along Living F	Roots (C3)	Dry-Season V	later Table (C2)	- 1 P
Sediment Deposits (B2)	6	Pre	sence of Reduced I	Iron (C4)	an a	Crayfish Burro	ows (C8)	essal op solds
Drift Deposits (B3)		and the second	cent Iron Reduction		(C6)		ible on Aerial Imag	ery (C9)
Algal Mat or Crust (B4)			n Muck Surface (C7			Geomorphic F		
Iron Deposits (B5)			er (Explain in Rema	arks)	1927 - State State - St	Shallow Aquit		
Inundation Visible on Ae Water-Stained Leaves (I	방지 않는 것은 것이 해야 한 것이 없는 것이 없다.	37)			e in a second	FAC-Neutral	oss (D8) (LRR T, U	N
Field Observations:	D9)		Maria Maria and Andreas			Spragnum m	55 (DB) (LKK 1, D	<u>''</u>
Surface Water Present?	Yes	No /	Depth (inches):	NA				
Water Table Present?	Yes	No	Depth (inches):	> 20 inches	annanana din			a construction of the
Saturation Present? (includes capillary fringe)		A CONTRACTOR OF THE OWNER	Depth (inches):		Wetland Hy	ydrology Present	? Yes	No_
Describe Recorded Data (str	ream gauge, m	cnitoring w	vell, aerial photos, p	previous inspec	tions), if avail	able:		1999 - 1999 -
Remarks:			and a second					
								1 Strate
Standing and stands		Ref Carrow	n alterne as ni		24 Ann			

VEGETATION (Four Strata) -	Use scientific names of plan	nts.
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Sampling Point: <u>W540034\_4</u>

		Dominant		Dominance Test worksheet:		N
Tree Stratum (Plot size: 30ft = 30ft )		Species?		Number of Dominant Species	3	1919-1919
1. Fague grandifolia	20	yes_	FACU	That Are OBL, FACW, or FAC:	5	(A)
2. Pinus Faeda	15	Ves	FAC	Total Number of Dominant	~	
3.		1		Species Across All Strata:	0	(B)
4.		5808 ( 1757 )		and the second second second second	and the second second second	1999 P
5			-	Percent of Dominant Species That Are OBL, FACW, or FAC:	60	(A/B)
				That Are OBL, FACW, G FAC		- (~))
6				Prevalence Index worksheet:	Contraction of the	
7	-			Total % Cover of:	Multiply by:	
8 and defined a second seco		Metal of the second		OBL species x 1		
		= Total Cov		FACW species x 2		
50% of total cover: 17.5	20% of	total cover	/	FAC species x 3		
Sapling/Shrub Stratum (Plot size: 304×304)						
1. Fagues grandifolia	10	ves	FACU	FACU species x 4		
2. Pinus tacda		ves	FAL	UPL species x 5		
3. Ilex opace		ves	FAC	Column Totals: (A)	2017 - 1017 - 1983 2017 - 1017 - 1017 - 1017 - 1017 - 1017 - 1017 - 1017 - 1017 - 1017 - 1017 - 1017 - 1017 - 1017 - 1017 - 1017	(B)
			122	Prevalence Index = B/A = _		
				and the second		
5				Hydrophytic Vegetation Indicate		
6				1 - Rapid Test for Hydrophytic	: Vegetation	
7	-			2 - Dominance Test is >50%		
8	-			3 - Prevalence Index is ≤3.0 <sup>1</sup>		
		= Total Co		Problematic Hydrophytic Veg	etation <sup>1</sup> (Expl	ain)
50% of total cover:	20% 0	f total cover	- 6	and the second second second second		
Herb Stratum (Plot size: 300 30ft)				<sup>1</sup> Indicators of hydric soil and wetla	nd hydrology	must
1. None				be present, unless disturbed or pr	oblematic.	
A SAME AS A REAL PROPERTY OF A SAME AND A REAL PROPERTY OF A R			A TANK MATTER	Definitions of Four Vegetation S		
2			1. <u>2010</u>			tin de
3.			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Tree - Woody plants, excluding v	ines, 3 in. (7.	6 cm) or
4		And the second second		more in diameter at breast height height.	(DBH), regar	diess of
5		Province for a	1	a da ser a companya d		
6	and the second	and the same	State of the Post State	Sapling/Shrub - Woody plants, e	xcluding vine	s, less
7. The second seco			Level State	than 3 in. DBH and greater than 3	.28 ft (1 m) ta	all.
8			Marin Hawley	Herb - All herbaceous (non-wood	v) plants, rec	ardless
9. States and the second				of size, and woody plants less that	n 3.28 ft tall.	Sprine -
9 10				and the second s		
			1.11.11.11.1	Woody vine - All woody vines gr	eater than 3.	28 π in
11			addine the	height.		
12	-	Sector of Sectors			Comment lines	- Andrews
		= Total Co			Charling and Con-	
50% of total cover:				2 V. C. State Contract of Cont		
Woody Vine Stratum (Plot size: 300 304)				in margal adder bears shallowing		
1. hone						
3	and the second second					
2						
3		•				
4			-			
5		-	-	- Hydrophytic		
	0	= Total Co	over	Vegetation Present? Yes	No	
50% of total cover:	20% c	of total cove	r:	- Flesentr 105		100
Remarks: (If observed, list morphological adaptations be						
				S		
(a) destruction of a statement of the destruction of the destruction of the statement of a statement of the statement of t						

# Sampling Point: WSuo D34\_U

A CARLES STREET SALES I	cription: (Describe	to the depth i				or confirm	the absence of in	dicators.)		
Depth (inches)	Color (moist)	%	Color (moist)	x Feature %	s Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	3	
0-3	10vr 3/3	100					L			
3-5	10vr 3/2	100			S. The		SL			
5-20	10 yr 5/1	100					LFS			
<u> </u>										
		-								
	-									
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion. RM=Re	educed Matrix, M	S=Masked	d Sand Gr	ains.	<sup>2</sup> Location: PL=	Pore Lining, M=Ma	atrix.	
Hydric Soil	Indicators: (Applic	able to all LR	Rs, unless othe	rwise not	ed.)			Problematic Hydr	ic Soils <sup>3</sup> :	
Histoso			Polyvalue Be					(A9) (LRR O)		
	pipedon (A2) istic (A3)		Thin Dark Su Loamy Muck					(A10) (LRR S) ertic (F18) (outsid	e MLRA 1	50A.B)
	en Sulfide (A4)		Loamy Gley			,		loodplain Soils (F		
Stratifie	d Layers (A5)		Depleted Ma	a set of the set of the set of the			the second s	Bright Loamy Soil	ls (F20)	
	Bodies (A6) (LRR P		Redox Dark					53B) Material (TF2)		
	ucky Mineral (A7) (Ll resence (A8) (LRR L		Depleted Da Redox Depr					w Dark Surface (1	(F12)	
	uck (A9) (LRR P, T)		Marl (F10) (I	LRR U)			Other (Expl	lain in Remarks)		
The state should be a set of the	d Below Dark Surfac	ce (A11)	Depleted Oc				T) <sup>3</sup> ladiatas	s of hydrophytic ve		nd
	ark Surface (A12) Prairie Redox (A16) (	MI RA 150A)	Iron-Mangar					hydrology must be		iu
	Mucky Mineral (S1) (		Delta Ochric					listurbed or proble		
and the second se	Gleyed Matrix (S4)		Reduced Ve							
A DECEMBER OF A	Redox (S5) d Matrix (S6)		Piedmont Fl				49A) RA 149A, 153C, 153	3D)		
	urface (S7) (LRR P,	S, T, U)		Dright 200		() (		allan and an		
	Layer (if observed)			ne cuive lest p						
Type:		and and a second second	<del>-</del> (1999) - 1997						No_	X
A 49486 1842 244	nches):	SEAL STREET	<u> </u>		N. S.	Section .	Hydric Soil Pre	sent? Yes	No	
Remarks:										
New York										
and the C										
a sector de la										



Upland data point wsuo034\_u facing southeast.



Upland data point wsuo034\_u facing northeast.

Project/Site:ACP	City/County:Suff	olk	_ Sampling Date: 3-15-16		
6		01.1. ITA	Complian Delatelling A355		
Investigator(s): EST (1, Roper, W. Vaushen)	Section, Township, Rai	nge: <u>None</u>			
Landform (hillslope, terrace, etc.):	Local relief (concave, c	convex, none): Conce	Slope (%): 3-7		
	36 790	ong: -76.648	Datum: 10658		
Soil Map Unit Name: Goldsbaro fine sandy Lown, C	)-7 9 clina	NIM classif	ication: PEO		
Are climatic / hydrologic conditions on the site typical for this time	i c no scopes		Remarka )		
	of year? Yes No	(if no, explain in	Remarks.)		
Are Vegetation, Soil, or Hydrology signifi			present? Yes No		
Are Vegetation, Soil, or Hydrology natura	Illy problematic? (If ne	eeded, explain any answ	ers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map sho	wing sampling point l	ocations, transect	s, important features, etc.		
Hydrophytic Vegetation Present?       Yes No         Hydric Soil Present?       Yes No         Wetland Hydrology Present?       Yes No	within a Wetlar		No		
Remarks:					
NCWAM: Headwater Forcst HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Indi	cators (minimum of two required)		
Primary Indicators (minimum of one is required: check all that a	(vlagi	Surface So	il Cracks (B6)		
Surface Water (A1)		Sparsely V	egetated Concave Surface (B8)		
	s (B15) (LRR U)	Drainage F	atterns (B10)		
	Ilfide Odor (C1)	그는 그는 그는 그는 물 물 수 없는 것을 많은 것을 하는 것을 수 있다. 물 수 있는 것을 하는 것을 하는 것을 하는 것을 하는 것을 수 있는 것을 것을 수 있는 것을 것을 수 있는 것을 것 같이 않는 것을 수 있는 것을 수 있다. 것을 것 같이 것 같이 않는 것 않는 것 같이 않는 것 않는	Lines (B16)		
	zospheres along Living Roots		n Water Table (C2)		
	Reduced Iron (C4)		urrows (C8)		
	Reduction in Tilled Soils (C6)		Visible on Aerial Imagery (C9)		
	in in Remarks)	The second s	Geomorphic Position (D2) Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	in in the market y		FAC-Neutral Test (D5)		
Water-Stained Leaves (B9)		Sphagnum	moss (D8) (LRR T, U)		
Field Observations:					
Surface Water Present?     Yes No Depth (i       Water Table Present?     Yes No Depth (i	nches): <u>Na</u>				
			1 1000		
Saturation Present? Yes No Depth (i	nches): <u>Surface</u> We	etland Hydrology Pres	ent? Yes No		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aeria	I photos, previous inspections	s), if available:			
Remarks:		e brande i statu i se subjeti	No.		
portions inundated					
l de antige de la stant de la service de					
2월 19월 14일 전 19일 년 19일 년 19일 년 19일	1 Car		이는 아이는 것 같아?		
			and the second se		
			and the second		

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

Sampling Point: WSu0035EW

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 30FL x 30FL)	% Cover			Number of Dominant Species	7
1. Pinels tacda	10	yes	FAC	That Are OBL, FACW, or FAC:	(A)
2. Liau: dambar styraciflua	25	ves	FAC	Total Number of Dominant	A
3. Acer prubrum	10	yes	FAL	Species Across All Strata:	8 (B)
4.		and the state of the second			(-)
and the second	Contraction and the state of the state			Percent of Dominant Species	87.5 (A/B)
5				That Are OBL, FACW, or FAC:	51,5 (A/B)
6	CONTRACTOR STORES	CONTRACTOR STATE		Prevalence Index worksheet:	
7					Itiply by:
8	in the second	A State All		A CONTRACTOR OF A DESCRIPTION OF A DESCR	A CALL AND A
	45	= Total Co	ver	OBL species x 1 =	TOWN IN CONTRACTOR OF A DECK
50% of total cover: _22_5	20% of	total cover	. 9	FACW species x 2 =	
Sapling/Shrub Stratum (Plot size: Boft x 30ft)				FAC species x 3 =	
The second stratum (For size. Dorr 2001)	20		FAC	FACU species x 4 =	
1. Ilex opara	15	yes	1. margin (************************************	UPL species x 5 = _	and the second
2. Kalmia latifolia		yes		Column Totals: (A)	The second s
3. Ligustrum sinense	15	yes	FAC		(0)
4	Margana	dia tota		Prevalence Index = B/A =	and a start of the second
5				Hydrophytic Vegetation Indicators:	A TALK A DISA DE L'ANT DE DESTRUCTION AND AND AND AND AND AND AND AND AND AN
6.				$\square$ X-Rapid Test for Hydrophytic Ve	14 : C.
					geration
7			- John -	2 - Dominance Test is >50%	
8		VALUE OF THE		3 - Prevalence Index is ≤3.0 <sup>1</sup>	still in a difference
05		= Total Co		Problematic Hydrophytic Vegetat	ion <sup>1</sup> (Explain)
50% of total cover: 25	20% of	total cover	r: <u>10</u>		
Herb Stratum (Plot size: 30f4 x 30ff)				<sup>1</sup> Indicators of hydric soil and wetland	hydrology must
1. Arundinario gigantea	20	Ves	FACW	be present, unless disturbed or proble	ematic.
2.				Definitions of Four Vegetation Stra	ta:
the second se	Long the Children State	No. of the state of the state	A REAL PROPERTY AND A REAL PROPERTY OF		
3				Tree - Woody plants, excluding vines	
4		<u> </u>		more in diameter at breast height (DB	H), regardless of
5				height.	
6			192	Sapling/Shrub - Woody plants, exclu	uding vines, less
7			San Side	than 3 in. DBH and greater than 3.28	ft (1 m) tall.
8					lante regardlass
				Herb – All herbaceous (non-woody) p of size, and woody plants less than 3.	28 ft tall.
9				of size, and troody plants loss than of	
10				Woody vine - All woody vines greate	er than 3.28 ft in
11		Addaman an		height.	
12	in the start		and the second s		
	20	= Total Co	ver		al (1996) and (1996) and
50% of total cover: _/O					
Woody Vine Stratum (Plot size: 30ft × 30ft)					
1. Smiler rotudiblia	10	Ves	EAR		
		- Yes	THE	· 그는 한 것 것 같은 것 같은 이 가 말한 것 같이 같이 하는 것 같이 하는 것 같이 하는 것 같이 같이 하는 것 않는 것 같이 하는 것 같이 않는 것 같이 않는 것 같이 하는 것 같이 하는 것 같이 하는 것 같이 않는 것 같이 않는 것 않 않 않는 것 같이 않는 것 같이 않는 것 같이 않는 것 않는	
2	<u></u>				
3.		Alle Der der ber ber			
4	and starts	(ability a	and the second second		
5.				Hydrophytic	
	10	= Total Co	ver	Vegetation	
50% of total cover: 5				Present? Yes No	o 0
The base of a state of the second		total cove			
Remarks: (If observed, list morphological adaptations belo	w).				
					Second Conservations

	cription: (D		to the depth	needed t				or confirm	the absence of	Indicators.)
epth inches)	Color (	Matrix moist)	%	Color (m		Features %	Type'	Loc <sup>2</sup>	Texture	Remarks
- 6	lour 3	Correct Street Street	100						LS	
-20	love 5		100			100			S	
1.0		IF.								
ydric Soil Histoso Histic E Black H Hydrog Stratifie Organie 5 cm M Muck F 1 cm M Deplete Thick D Coast I Sandy Sandy Strippe	Indicators: I (A1) ipipedon (A2 iistic (A3) en Sulfide (/ d Layers (A bodies (A6) ucky Minera Presence (A8 uck (A9) (LI ed Below Da bark Surface Prairie Redo Mucky Mine Gleyed Matri Redox (S5) d Matrix (S6)	(Applic 2) 5) (LRR P (I (A7) (LI 3) (LRR L (A7) (LI 3) (LRR L (RR P, T) rk Surfac (A12) x (A16) (I ral (S1) ( ral (S1) ( rix (S4)	RR P, T, U) J) MLRA 150A) LRR O, S)	Rs, unle       Polyn       Thin       Loan       Loan       Depl       Redo       Marl       Depl       Iron-       Umb       Detta       Redo       Pied	ss othern value Bel Dark Sur ny Mucky ny Gleyec eted Matri ox Dark S leted Darl ox Depres (F10) (Li eted Och Mangane ric Surfac a Ochric ( uced Vert Imont Floo	wise note ow Surfac face (S9) Mineral d Matrix ( d Matrix (F3) furface (F Surface (F17) (F17) (ML ic (F18) ( odplain S	ed.) (ce (S8) (L (LRR S, (F1) (LRR F2) 6) (F7) 8) (MLRA 1 (RR P, T RA 151) MLRA 15 oils (F19)	RR S, T, U T, U) O) 51) LRR O, P, , U) 60A, 150B) (MLRA 14	Indicators for 1 cm Muc 2 cm Muc Reduced Piedmont Anomalou (MLRA Red Pare Very Sha Other (E> T) <sup>3</sup> Indicato wetlar unless	ent Material (TF2) Ilow Dark Surface (TF12) oplain in Remarks) ors of hydrophytic vegetation an nd hydrology must be present, s disturbed or problematic.
	urface (S7) Layer (if ol								1	
Type: _	일찍 같은 것이 같은 것이 같은 것이 없다.		and a strength	_						/
Depth (i	nches):			_					Hydric Soil P	resent? Yes No

241.00

Environmental Field Surveys Wetland Photo Page



Wetland data point wsuo035f\_w facing west.



Wetland data point wsuo035f\_w facing south.

Photo Sheet 1 of 2

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

Project/Site: ACP	City/County: Suffelk Sampling Date: 3-15-16
Applicant/Owner: Dominion	State: VA Sampling Point: WSU0035_U
Investigator(s): ESI/L, Rover, W. Vaushen)	Section, Township, Range: None
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, none): Cenuex Slope (%): 0-3
Subregion (I BB or MI BA): / RRT Lat: 36.	79027 Long: -76.64812 Datum: WGSB4
Soil Map Unit Name: Cooldsboro fine sondy Loom	
Are climatic / hydrologic conditions on the site typical for this time of y	한 것 것을 알았는 것 것을 물질했다. 여러 걸 방법은 것 같은 것 같은 것을 것을 수 없는 것 같은 것 같
	y disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes Ves No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No	
Remarks:	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: check all that apply	Surface Soil Cracks (B6)
Surface Water (A1)	13) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	변화가 가지 않는 것으로 들었다. 그는 것이 이 것이 같아요. 이 것 같아요. 이 것 같아요. 이 것 같아요. 이 것 같아요. 이 가지 않는 것 같아요. 이 이 이 가지 않는 것 같아요. 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이
Saturation (A3)	~~ 다양 전 상품 방법에서 제품 전 전 이 것 같아요. 이 것 같아요. 이 것 같아요. 가슴이 가슴
	heres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Redu Drift Deposits (B3) Recent Iron Redu	Icced Iron (C4)     Crayfish Burrows (C8)       ction in Tilled Soils (C6)     Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	26. 전철 전 19 · 2 · 2 · 2 · 2 · 2 · 2 · 2 · 2 · 2 ·
Iron Deposits (B5) Other (Explain in	그녀는 성실 것 같아요. 그는 것 같은 것 같은 것 같아요. 것 같아요. 것 같아요. 것 같아요. 것 같아요. 것 같아요. 같아요. 같아요. 같아요. 같아요. 같아요. 같아요. 같아요.
Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
Field Observations:	
Surface Water Present? Yes No Depth (inche	s): <u>NR</u>
Water Table Present? Yes No Depth (inche	
Saturation Present? Yes No Depth (inche (includes capillary fringe)	s): 20 Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspections), if available:
Remarks:	
Nemaria.	sinal de la constant
	그 변화되었다. 그는 것은 것은 다양 성장은 것이 다른 것 때 것이 없는 것
	에는 사람은 소비가 다른 것이 같아요. 것이 가지 않는 것을 망망했다. 같은
	지수는 것은 것이 아파 이 것이 아파 이 가지 않는 것이 같아. 집에 집에 집에 집에 집에 있는 것이 없다. 나는 것이 같아. 말했다. 말했다. 말했다. 말했다. 말했다. 말했다. 말했다. 말했다
에 다니 아이는 것같아. 그 것이 많은 다 같아. 그 것이야지?	
	그 성장 이 이 아니는 것 같은 것 같은 것 같은 것 같은 것 같은 것 같이 많은 것

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

Sampling Point: WS40035\_4

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30ft x 30ft</u> ) 1. Linudendron Tulipifere		Species?	<u>Status</u> FACU	Number of Dominant Species 5 (A)
2. Liquidamber Styraci Flux	25	yes	FAC	Total Number of Dominant
3. Pinus taeda	TO MARK TO CAME	no	FAC	Species Across All Strata: (B)
4		- 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990		Percent of Dominant Species 71.4 (A/B)
5				
7	Contraction of the second s	a second second second		Prevalence Index worksheet:
8			<u></u>	Total % Cover of: Multiply by:
		= Total Cov	/er	OBL species x 1 =
50% of total cover: 45	20% of	total cover	: 18	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30f+ x3of+)				FAC species x 3 =
1. Liriodendron tulipifera	25		FACY	FACU species x 4 =
2. Liquidamber Styraciflus	2:5	yes	FAC	UPL species x 5 = (D)
3. Ilex opaca	5	no	FAC	Column Totals: (A) (B)
4. Ligustrum Sinerse	15		FAC	Prevalence Index = B/A =
5			- Participantes	Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	-70			3 - Prevalence Index is ≤3.0 <sup>1</sup>
20		= Total Cov	IU IU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: <u>35</u>	20% of	total cover	:_/	
Herb Stratum (Plot size: <u>30 F1 × 30 F1</u> ) 1. <u>Ilex opaca</u>	5	Ves	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				
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5				height.
6				Sapling/Shrub – Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine – All woody vines greater than 3.28 ft in
11				height.
12			142.547	
	5	= Total Cov	/er	
50% of total cover: 2-5	20% of	total cover	:_1	
Woody Vine Stratum (Plot size: 304 , 304)				이 있는 데 이 것은 이 것 같아. 이 집에 가지 않는 것을
1. Smilar rotundifolia	15	ves	FAC	
2		1		. 이 것 같은 것 같은 것 같은 것 같은 것을 많은 것 같은 것을 많은 것 같은 것을 많은 것 같은 것을 많은 것을 같이 않았다. 것을 많은 것을 않았다. 것을 같은 것을 많은 것을 같이 같이 같이 않았다. 것을 것 같이 같이 같이 같이 않았다. 것을 않았다. 것을 않았다. 것을 않았다. 것을 많은 것을 많은 것을 않았다. 것 않았다. 것 않았다. 것 않았다. 것 않았다. 않았다. 것 않았다. 않았다. 않았다. 않았다. 않았다. 않았다. 않았다. 않았다.
3	10.000		112	
4				
5				Hydrophytic
	15	= Total Cov	/er	Vegetation
50% of total cover: 7.5	20% of	total cover	:_3	Present? Yes No
Remarks: (If observed, list morphological adaptations belo	w).			
	Second Land	S.A. BASA		

# Sampling Point: USUS 035-4

1 rome bese	subnour (peacing	to the depth	needed to docu	ment the i	indicator	or confirm	the absence	of indicator	s.)	
Depth	Matrix			x Feature		Loc <sup>2</sup>	Texture		Remarks	
<u>(inches)</u> O-5	Color (moist)	100	Color (moist)	%	Type1	Loc	Texture	>30%	Unce	eted
5-10	10yr 2/1	100 -		-		FSL			unce	
10-20	10 yr 4/3	100		1		FS				
	10 yr 113		nette (2 participation) nette (2 participation)	1	•				****	
					•					A KUNUMA
		-			-					
			- A start of the second sec		-	- Carlos and -				Contraction of the Contraction
	oncentration, D=De	nletion RM=R	educed Matrix M	S=Masker	Sand Gr	ains	<sup>2</sup> Location:	PL=Pore Lir	ning, M=Mat	tix.
	Indicators: (Appli							for Problem		
Histosol			Polyvalue B					/luck (A9) (LI		
	pipedon (A2)		Thin Dark S					Auck (A10) (I		MI DA 150A B)
	istic (A3) en Sulfide (A4)		Loamy Muck			0)				MLRA 150A,B) ) (LRR P, S, T)
	d Layers (A5)		Depleted Ma		(• =)			alous Bright I		
	Bodies (A6) (LRR I		Redox Dark	the same state of the second state of the				RA 153B)		
	ucky Mineral (A7) (L resence (A8) (LRR		Depleted Da Redox Depr					arent Materia Shallow Dark		12)
	uck (A9) (LRR P, T)		Marl (F10) (	LRR U)				(Explain in R		
	d Below Dark Surfa	ce (A11)	Depleted Oc				T) 31	atom of bud	na budia yan	station and
the second se	ark Surface (A12) Prairie Redox (A16) (	(MLRA 150A)	Iron-Mangar		a man in the second			cators of hyd tland hydrolo		
	Mucky Mineral (S1)		Delta Ochric					ess disturber	— 4. Contraction (1997) (1998)	
the second states and the second states and the	Gleyed Matrix (S4)		Reduced Ve							
	Redox (S5) d Matrix (S6)		Piedmont FI				9A) A 149A, 1530	. 153D)		
	urface (S7) (LRR P,	S, T, U)				/				
Restrictive	Layer (if observed	):			i an			an a		
Type:										
	NAMES OF A DESCRIPTION OF	ante su alla de la composition de la co	<del>-</del> (1997) - Balling - B						V	N- X
and the state of the state of the state of	nches):		_				Hydric Soi	I Present?	Yes	X
Depth (ir Remarks:	nches):		-	141 			Hydric Soi	l Present?	Yes	_ No <u>×</u>
and the state of the state of the state of	nches):		=				Hydric Soi	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Soi	l Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	No <u></u>
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	<u>No X</u>
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the state of the state of the state of	nches):						Hydric Sol	I Present?	Yes	NoX
and the second states of the second	nches):						Hydric Sol	I Present?	Yes	NoX

Environmental Field Surveys Wetland Photo Page



Upland data point wsuo035\_u facing north.



Upland data point wsuo035\_u facing east.

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

Project/Site: ACP	City/County: Suffalk Sampling Date: 3-15-16
Applicant/Owner: Dominion	State: VA Sampling Point: USUO 03GF1 u
Investigator(s): ESI (L, Roper, W. Vaughan)	
	Local relief (concave, convex, none): Concerve Slope (%): 7-10
Subregion (LBB or MLBA): / RRT Lat: 36	. 790 Long: -76.647 Datum: W&SB4
Soil Map Unit Name: Nansemond Loany fin San	
Are climatic / hydrologic conditions on the site typical for this time of ye	[2] 아랍 같은 이야 한 것에서 잘 알려야 한 것이 있다. 이야기 ^ 개방법을 알고 있는 것이 안 다 있는 것이 같았다. 그것이 집중에서 그것이 것 것 같은 것을 하는 것이 하는 것이 가지 않는 것
	v disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally pr	
	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes       No         Hydric Soil Present?       Yes       No         Wetland Hydrology Present?       Yes       No	Is the Sampled Area No
NCWAM: Headwater Forast	
HYDROLOGY	Occorden Indiators (minimum of two required)
Sediment Deposits (B2)	(3)       Sparsely Vegetated Concave Surface (B8)         (5) (LRR U)       Drainage Patterns (B10)         Odor (C1)       Moss Trim Lines (B16)         neres along Living Roots (C3)       Dry-Season Water Table (C2)         ced Iron (C4)       Crayfish Burrows (C8)         ction in Tilled Soils (C6)       Saturation Visible on Aerial Imagery (C9)         a (C7)       Geomorphic Position (D2)
Surface Water Present?       Yes       No       Depth (inchess         Water Table Present?       Yes       No       Depth (inchess         Saturation Present?       Yes       Yes       No       Depth (inchess         (includes capillary fringe)       Yes       Yes       No       Depth (inchess	s): <u>Surface</u> Wetland Hydrology Present? Yes <u>V</u> No
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:
Remarks:	

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

Sampling Point: WSUDO36EW

	Absoluto	Deminant	Indicator	Deminence Test worksheett
Tree Stratum (Plot size: 10ft * Soft )	A REPORT OF THE	Dominant Species?		Dominance Test worksheet:
1. Lianidantor styreciflus			FAC	Number of Dominant Species (A)
The style style it is	15	1.00		
2. Ilex opaca		-	FAC	Total Number of Dominant
3				Species Across All Strata: (B)
4	and the second	Astal and	and the second	Demont of Deminant Species
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 83.3 (A/B)
6				
				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
8		and a second s		OBL species x 1 =
IT	50	= Total Cov	ver	FACW species x 2 =
50% of total cover: 15	20% of	total cover	: 6	그는 것은 것을 다 것을 만든 것을 알았는 것을 알았다. 이 집은 전에서 이 것은 것을 가지 않는 것을 얻는 것을 것을 하는 것을 것을 하는 것을 가지 않는 것을 하는 것을 가지 않는 것을 하는 것을 가지 않는 것을 하는 것을 하는 것을 가지 않는 것을 가지 않는 것을 가지 않는 것을 하는 것을 수 있다. 것을 하는 것을 수 있다. 것을 하는 것을 하는 것을 하는 것을 하는 것을 하는 것을 수 있다. 것을 것을 수 있다. 것을 수 있다. 것을 수 있다. 것을 수 있다. 것을 것을 수 있다. 것을 것을 것을 수 있다. 것을 것을 수 있다. 것을 것을 것을 것을 수 있다. 것을 것을 것을 것을 수 있다. 것을
Sapling/Shrub Stratum (Plot size: 1000 50ft)				FAC species x 3 =
1. Liquidember syraciflua	15	Ves	FAC	FACU species x 4 =
				UPL species x 5 =
2. Limitaria acceleta				Column Totals: (A) (B)
3				
4	1453.55	CALLS SHE	A STATE AND	Prevalence Index = B/A =
5	10-11-1-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	C. Ladian	A ALL AND	Hydrophytic Vegetation Indicators:
6				J - Rapid Test for Hydrophytic Vegetation
7				
	STORY STO	9.3036353	10 mg man	2 - Dominance Test is >50%
8	IE			3 - Prevalence Index is ≤3.0 <sup>1</sup>
75		= Total Cov		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 7.5	20% of	total cover	: 5	
Herb Stratum (Plot size: 10ftx 50ft)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Arundinarra giganten	10	VES	FACW	be present, unless disturbed or problematic.
2. Woodwardia arcolata	.5	yes	OBL	Definitions of Four Vegetation Strata:
(a) States and the second states and the second states are second states and the second states are second states are set.			000	
3				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4	20 x 3 2 2 2 2 2 3 1 2 2 2 3	Concerning Proceedings	Contractive entral State	more in diameter at breast height (DBH), regardless of
5		<u></u>		height.
6			A Station Station	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				
10				Woody vine - All woody vines greater than 3.28 ft in
11		And Marian		height.
12				
	15	= Total Cov	ver	
50% of total cover: 7.5	20% of	total cover	3	NG 11 전문 2017년 1월 17 18 18 18 18 18 18 18 18 18 18 18 18 18
Woody Vine Stratum (Plot size: 10ft = SOFt)			Section Section Provident	말 생각 이 이 것이 많이 많이 많이 안 이 가지 않는 것이 않는
	14		E.c.	
1. L'onicers japonica		yes	Facu	이 같은 것 같은 것 같은 것 같은 것 같은 것 같은 것 같이 없다.
2		Contract And		na line. Magning her einen sind diese gestellter
3		a Sacha		
4		In a second	andre aus	
5.				U. desethedia
	10	= Total Cov		Hydrophytic Vegetation
5	Sector Contractor and Contractor		-	Present? Yes No No
50% of total cover:		total cover		
Remarks: (If observed, list morphological adaptations below	w).			

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Sampling Point: wsw.bBLE w

		to the deput				or commit	the absence of ir	idicators.)
Depth (inches)	Color (moist)	%	Redo Color (moist)	x Features %	Type'	Loc <sup>2</sup>	Texture	Remarks
0-3	10, 3/2	100					L	
3-5	10yr 4/1	100					SL	
11. 10. No. 10. 10. 10. 10. 10. 10. 10.	the second second second second second						SL	
5-20	loyr 6/1					·····		
	<u>19</u> 17 - 1917 -	-					the second states	
ala ana ana ana ana ana ana ana ana ana	- <u> </u>				<u>- 200 (1997)</u>			
Sec. Sec.	Sheer marker of				<u></u>			
and she						<u></u>		
	Concentration, D=De					ains.		Pore Lining, M=Matrix.
Contraction of the second	il Indicators: (Appli	cable to all LR						Problematic Hydric Soils <sup>3</sup> :
	ol (A1)		Polyvalue Be Thin Dark Su					(A9) (LRR O) (A10) (LRR S)
	Epipedon (A2) Histic (A3)	같은 나라 화	Loamy Muck					/ertic (F18) (outside MLRA 150A,B)
	gen Sulfide (A4)		Loamy Gleye			,		Floodplain Soils (F19) (LRR P, S, T)
	ed Layers (A5)		Depleted Ma				the second se	s Bright Loamy Soils (F20)
	ic Bodies (A6) (LRR I		Redox Dark	CONTRACTOR OF THE TOP OF TOP OF THE TOP OF TOP				
and the second se	Mucky Mineral (A7) (L Presence (A8) (LRR	and the second sec	Depleted Da Redox Depre					t Material (TF2) ow Dark Surface (TF12)
	Muck (A9) (LRR P, T)		Marl (F10) (I	a service and the service of the ser	5)		the second s	lain in Remarks)
	ed Below Dark Surfa		Depleted Oc		(MLRA 1	51)		
the second se	Dark Surface (A12)		Iron-Mangar					s of hydrophytic vegetation and
	Prairie Redox (A16)					, U)		I hydrology must be present, disturbed or problematic.
	Mucky Mineral (S1) Gleyed Matrix (S4)	(LKK 0, 5)	Delta Ochric Reduced Ve			0A 150B)		disturbed of problematic.
and the second se	Redox (S5)		Piedmont Fl	A LOW THE COULD BE A				
	ed Matrix (S6)						A 149A, 153C, 15	3D)
	Surface (S7) (LRR P,	-					-	
Restrictiv	e Layer (if observed	l):						
Type: _	SCHOOL THE PROPERTY AND	andre dans. Marine dans	<del>_</del>				Hydric Soil Pre	sent? Yes V No
The Part of the Pa	inches):	anda a saidhean an saidhean Saidhean an saidhean an said	-	1	and a street		Hydric Soli Pre	sentr res No
Remarks:								

Environmental Field Surveys Wetland Photo Page



Wetland data point wsuo036f\_w facing southwest.



Wetland data point wsuo036f\_w facing southeast.

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

1 c P		IS. CC	1	Sampling Date: 3-15-10
		ounty:	215	Sampling Date: 5 13 14
Applicant/Owner: Dominiun	1		State: VIA	Sampling Point: 1,2540036_
Investigator(s): ESI (L. Rober, W. Va	ughen_ Section	on, Township, Range: _	Vione	
Landform (hillslope, terrace, etc.):	Local	relief (concave, convex	, none):	Siope (%). 055
Subregion (LRR or MLRA): LRRT				
Soil Map Unit Name: Nansemond Loamy Fine				
Are climatic / hydrologic conditions on the site typical for th	is time of year? Y	es No	(If no, explain in F	Remarks.)
Are Vegetation, Soil, or Hydrology	significantly distur	bed? Are "Norma	al Circumstances"	present? Yes No
Are Vegetation, Soil, or Hydrology			explain any answe	
SUMMARY OF FINDINGS – Attach site map	showing sam	pling point locati	ons, transects	s, important features, etc.
Hydrophytic Vegetation Present?     Yes       Hydric Soil Present?     Yes       Wetland Hydrology Present?     Yes	No ×	Is the Sampled Area within a Wetland?		No
Remarks:	NO			
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all			The Market of the State of the	ators (minimum of two required) Cracks (B6)
				getated Concave Surface (B8)
이 ㅠㅠㅠ 비행들이 가장한 것이 않는 것을 것이 없는 것을 잘 못했는 것이 같다. 그는 것 같은 것 같은 것 같은 것 같은 것 같이 있는 것 같이 않는 것 같아. 이 것 같아요. 이 것 않 ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	c Fauna (B13) eposits (B15) <b>(LRF</b>	211)		atterns (B10)
	en Sulfide Odor (C		Moss Trim L	이 같은 것은 것을 많은 것이 같은 것이 같은 것이 같이 다 많이 없다.
		long Living Roots (C3)		Water Table (C2)
	ice of Reduced Iro	n (C4)	Crayfish Bu	rrows (C8)
	Iron Reduction in	Tilled Soils (C6)		isible on Aerial Imagery (C9)
	uck Surface (C7)			Position (D2)
	Explain in Remark	s)	Shallow Aqu	
Inundation Visible on Aerial Imagery (B7)			FAC-Neutra	moss (D8) <b>(LRR T, U)</b>
Water-Stained Leaves (B9) Field Observations:				1055 (Do) (LKK 1, 0)
Surface Water Present? Yes No De	enth (inches). W	A		
Water Table Present? Yes No De	enth (inches): 2/	2		
Saturation Present? Yes No 😒 De		A solution and the state of the second state of the state of the second state of the s	Hydrology Prese	nt? Yes No
(includes capillary fringe)		CODUCTOR COURSES		
Describe Recorded Data (stream gauge, monitoring well,				
Remarks: Roadside fill - could not conditions below 12 inches	Shoer P	art 12 inch	es to check	subsurface
Koadside nu concerne	3. 3. 1			
condunous becom in				

			A STATE A DALLAR A STATE A STATE			
ree Stratum (Plot size: 30A, 30A)	Absolute % Cover		Indicator	Dominance Test worksheet:		
Liauidamber Styreeiflua	15	ves	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:	2	(A)
				Total Number of Dominant	2	(B)
				Species Across All Strata:		_ (D)
				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/E
terreter and the former and the second s				Prevalence Index worksheet:		
				Total % Cover of:	Multiply by:	
	15	= Total Co		OBL species x 1		
50% of total cover: 7.5	20% of	total cove	r: <u>3</u>	FACW species       x 2         FAC species       x 3		
apling/Shrub Stratum (Plot size: <u>30f4 × 30f4</u> )	-		CAR	FACU species X 3		
Lightrum Sinense				UPL species x 5	=	
				Column Totals: (A)	and the second sec	(E
			-	Prevalence Index = B/A = _	<u>()</u>	
				Hydrophytic Vegetation Indicate		
				<ul> <li>✓ 1 - Rapid Test for Hydrophytic</li> <li>✓ 2 - Dominance Test is &gt;50%</li> </ul>	: Vegetation	
				$\square$ 3 - Prevalence Index is $\leq 3.0^{1}$		
	_5			Problematic Hydrophytic Vege	etation <sup>1</sup> (Expl	ain)
50% of total cover: $2-5$	20% of	total cove	r:/	in an		
erb Stratum (Plot size: <u>30f+ x 30f+</u> ) _npne				<sup>1</sup> Indicators of hydric soil and wetla be present, unless disturbed or pre-	nd hydrology oblematic.	must
INTO				Definitions of Four Vegetation S	ALC: NO DECIDENT OF PRODUCT	
				Tree - Woody plants, excluding vi	nes, 3 in. (7.6	3 cm)
				more in diameter at breast height height.		
		Alexandream and a second secon	-	Sapling/Shrub – Woody plants, e than 3 in. DBH and greater than 3		
				Herb – All herbaceous (non-wood		
				of size, and woody plants less tha	n 3.28 ft tall.	
				Woody vine – All woody vines green height.	eater than 3.2	28 ft ir
경제가 가지 않는 것 같은 데일에 많은 것.	1.0000000000000000000000000000000000000	= Total Co				100
50% of total cover: body Vine Stratum (Plot size: 304 × 304 )	20% of	total cove	r:			
_none						
	<u></u>					
			-			
	and the second second	= Total Co	ver	Hydrophytic Vegetation		
50% of total cover:	100000000000000000000000000000000000000			Present? Yes	No	
emarks: (If observed, list morphological adaptations belo UPLand is in road Su	w). Lrround	led b	by be	aver swamp		

US Army Corps of Engineers

Atlantic and Gulf Coastal Plain Region - Version 2.0

Sampling Point: USUD 036-U

Profile Des	cription: (Describe t	to the depth r	needed to docu	ment the i	ndicator	or confirm	the absence of	indicators.)
Depth	Matrix	%	Redo Color (moist)	x Feature	s _Type'	1002	Texture	Remarks
(inches)	Color (moist)	1.0000000000000000000000000000000000000	Color (moist)		_Type_	LOC		Remarks
0-12	10 yr 5/6	100		-				
			anna Anna an 1961 - 1979 Anna Anna Anna Anna Anna Anna Anna Anna	-			<u></u>	
	<u>,</u>			-				
	18 Second and add			-	-		<u></u>	
			and the cases					
		In the second second	and the second second					and the second second second second second
<sup>1</sup> Type: C=C	Concentration, D=Dep	letion, RM=Re	educed Matrix, M	S=Masked	Sand Gr	ains.		L=Pore Lining, M=Matrix.
and shares of shares and	Indicators: (Application)	able to all LR						or Problematic Hydric Soils <sup>3</sup> :
Histoso	ol (A1) Epipedon (A2)		Polyvalue B Thin Dark S					ick (A9) <b>(LRR O)</b> ick (A10) <b>(LRR S)</b>
1.1	listic (A3)		Loamy Much					Vertic (F18) (outside MLRA 150A,B)
	en Sulfide (A4)		Loamy Gley				Piedmon	t Floodplain Soils (F19) (LRR P, S, T)
	ed Layers (A5)		Depleted Ma	CALIFY COMPANY AND				ous Bright Loamy Soils (F20)
	c Bodies (A6) (LRR P, lucky Mineral (A7) (LR		Redox Dark Depleted Da	Printer of States Arrowships				A 153B) ent Material (TF2)
and the second se	Presence (A8) (LRR U		Redox Depr					allow Dark Surface (TF12)
Transa and the second s	luck (A9) (LRR P, T)		Marl (F10) (	LRR U)			D Other (E	xplain in Remarks)
and the second second second second	ed Below Dark Surface	e (A11)	Depleted Oc				T) 31-diad	tors of hydrophytic vegetation and
	Dark Surface (A12) Prairie Redox (A16) (N	ALRA 150A)	Iron-Mangar					and hydrology must be present,
	Mucky Mineral (S1) (L		Delta Ochric					s disturbed or problematic.
Sandy	Gleyed Matrix (S4)		Reduced Ve		Total 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	Redox (S5)		Piedmont Fl				9A) A 149A, 153C, 1	153D)
	ed Matrix (S6) urface (S7) (LRR P, S	5. T. U)		Bright Loa	my Sons (		A 149A, 155C,	1550)
	Layer (if observed):		V		an an an Ar	1999 (1997) 1997 (1997)		
Type:			<u> </u>					
Depth (i	nches):		-		1.46		Hydric Soil P	Present? Yes No
Remarks:	Condent P	'11						
	roadside fi CNR past	11						
a heigen stati	(NR past	12						
1								
18 18 19								

Environmental Field Surveys Wetland Photo Page



Upland data point wsuo036\_u facing southwest.



Upland data point wsuo036\_u facing northeast.

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region City/County: SUFFOUR Sampling Date: 8 Project/Site: ACP State: VA Sampling Point: WSUS002e-W Applicant/Owner: Dominion Investigator(s): ESI-S, BIGAN, IS. MUIPhiesection, Township, Range: NA Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): COncove Slope (%) Subregion (LRR or MLRA): LRR T Lat. 36.79459 Long: -76.6223 Datum: U Soil Map Unit Name: Nansemond Wang Fine sond, 15-3090, slopes PEM NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_\_ (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes

 Are Vegetation \_\_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_\_ significantly disturbed?
 Are "Normal Circumstances" present? Yes \_\_\_\_\_

 Are Vegetation \_\_\_\_\_\_, Soil \_\_\_\_\_\_, or Hydrology \_\_\_\_\_\_ naturally problematic?
 (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No Yes No	Is the Sampled Area within a Wetland?	Yes No	an a
Remarks:				

#### HYDROLOGY

Vater Table Present? Yes No Depth (inches): SUVFOCE	Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
High Water Table (A2)       Marl Deposits (B15) (LRR U)       Drainage Patterns (B10)         Saturation (A3)       Oxidized Rhizospheres along Living Roots (C3)       Drainage Patterns (B10)         Water Marks (B1)       Oxidized Rhizospheres along Living Roots (C3)       Dry-Season Water Table (C2)         Sediment Deposits (B3)       Presence of Reduced Iron (C4)       Crayfish Burrows (C8)         Agai Mat or Crust (B4)       Thin Muck Surface (C7)       Geomorphic Position (D2)         Iron Deposits (B5)       Other (Explain In Remarks)       Shallow Aquitard (D3)         Iron Deposits (B5)       Depth (inches):       Mark Force         Water Table Present?       Yes       No       Depth (inches):       Stor Force         Water Table Present?       Yes       No       Depth (inches):       Stor Force       No       No       No       <		Contraction of Activity (2019) Lange Strategies and the second strategies and all the second strategies and the	Sector Sector	
And Deposite (PL)       Initial Copy Sulface Odor (C1)         Water Marks (B1)       Oxidized Rhizospheres along Living Roots (C3)         Sediment Deposits (B2)       Presence of Reduced Iron (C4)         Drift Deposits (B3)       Recent Iron Reduction in Tilled Soils (C6)         Algal Mat or Crust (B4)       Thin Muck Surface (C7)         Iron Deposits (B5)       Other (Explain In Remarks)         Inductor Visible on Aerial Imagery (B7)       Shallow Aquitard (D3)         Water Stained Leaves (B9)       FAC-Neutral Test (D5)         Surface Water Present?       Yes         No       Depth (inches):         Saturation Present?       Yes <tr< td=""><td>And the second second</td><td></td><td></td></tr<>	And the second			
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)         Indidation Visible on Aerial Imagery (B7)       Shallow Aquitard (D3)         Water-Stained Leaves (B9)       Depth (inches):       Surface         Vater Table Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):         Depth Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       No	Contraction and the second s second second s Second second sec	-	Sends and an and a send the send of the	
Vide Hindlo (E.H)       Presence of Reduced Iron (C4)       Crayfish Burrows (C8)         Sediment 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)         Ipundation Visible on Aerial Imagery (B7)       FAC-Neutral Test (D5)         Water Stained Leaves (B9)       Depth (inches):       Surface         Vide Table Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):       Wetland Hydrology Present?         Observations:       No       Depth (inches):       Surface       Wetland Hydrology Present?       Yes       No         Depth (inches):       Surface       No       Depth (inches):       Surface       No       No       No         Depth (inches):       Surface       No       Depth (inches):       Surface       No       No       No       No         Depth Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       No       No       No       No				
Jorift 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)         Ipundation Visible on Aerial Imagery (B7)       Shallow Aquitard (D3)         Water-Stained Leaves (B9)       Pepth (inches):       Surface         Vater Table Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):       Surface         Saturation Present?       Ye			toots (C3)	A CARGE AND A CARG
Algal Mat or Crust (B4)       Thin Muck Surface (C7)       Geomorphic Position (D2)         Iron Deposits (B5)       Other (Explain in Remarks)       Shallow Aquitard (D3)         Ipundation Visible on Aerial Imagery (B7)       FAC-Neutral Test (D5)         Water-Stained Leaves (B9)       Depth (inches):       Sphagnum moss (D8) (LRR T, U)         Field Observations:       Depth (inches):       Surface         Vater Table Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       No	The second se		-	
Iron Deposits (B5)       Other (Explain in Remarks)       Shallow Aquitard (D3)         Iron Deposits (B5)       Other (Explain in Remarks)       FAC-Neutral Test (D5)         Iron Deposits (B5)       Shallow Aquitard (D3)       FAC-Neutral Test (D5)         Iron Deposits (B5)       Depth (inches):       Shallow Aquitard (D3)         Iron Deposits (B5)       Shallow Aquitard (D3)       Iron Deposition Staturation Staturation Present?         Ves       No       Depth (inches):       Sufface         Saturation Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):         Societa capillary fringe)       Depth (inches):       Sufface         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			C6)	An example of the second se
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         Surface Water Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):         Societa Capillary fringe)       Wetland Hydrology Present?       Yes       No				
Water-Stained Leaves (B9)       Sphagnum moss (D8) (LRR T, U)         Field Observations:       Surface Water Present?       YesNo Depth (inches):KTFOCE         Surface Water Present?       YesNo Depth (inches):KTFOCE       Wetland Hydrology Present? YesNo         Saturation Present?       YesNo Depth (inches):KTFOCE       Wetland Hydrology Present? YesNo         Depth (inches):KTFOCE       Wetland Hydrology Present? YesNo       No         Depth (inches):KTFOCE       Wetland Hydrology Present? Yes       No         Depth (inches):KTFOCE       Wetland Hydrology Present? Yes       No         Depth (inches):       Sufface Ktern gauge, monitoring well, aerial photos, previous inspections), if available:       No	the second se			A CONTRACTOR OF
Field Observations:       Surface Water Present?       YesNo Depth (inches):       NA         Nater Table Present?       YesNo Depth (inches):       Surface       Wetland Hydrology Present?       YesNo         Saturation Present?       YesNo Depth (inches):       Surface       Wetland Hydrology Present?       YesNo         Saturation Present?       YesNo Depth (inches):       Surface       Wetland Hydrology Present?       YesNo         Depth Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       No       No	A STATE OF THE ADDRESS OF A STATE	gery (B7)		
Surface Water Present?       YesNo Depth (inches):NA         Water Table Present?       YesNo Depth (inches):NA         Saturation Present?       YesNo Depth (inches):NA         Saturation Present?       YesNo Depth (inches):NA         Saturation Present?       YesNo Depth (inches):NA         Depth (inches):NA      NA         Depth (inches):	- and the second s	the second second second second second	Maria Constalla	Spragnum moss (Do) (Errit 1, 0)
Water Table Present?       Yes       No       Depth (inches):       Surface       Wetland Hydrology Present?       Yes       No         Saturation Present?       Yes       No       Depth (inches):       Surface       Wetland Hydrology Present?       Yes       No         Saturation Present?       Yes       No       Depth (inches):       Surface       Wetland Hydrology Present?       Yes       No         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       No       Surface		1 Alle		
Saturation Present? Yes <u>Ves</u> No <u>Depth (inches)</u> : <u>Surface</u> Wetland Hydrology Present? Yes <u>V</u> No <u>Saturation Present?</u> No <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u>		No Depth (inches): NM		
includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		No Depth (inches): Scal Pole	Margaret	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		No Depth (inches): Suisacc	Wetland H	ydrology Present? Yes v No
	(includes capillary fringe)	une monitoring well, aerial photos, previous inspec	tions) if avai	lable:
Remarks:	Describe Recorded Data (stream ga	age, monitoring weil, aenai priotos, previous inspec		
	Remarke:			
	remarks.			
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Sampling Point: Wsus DO2e\_W

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

VEGETATION (Four official) - oco colonistic field	State and Pa	1250/2020/2020		
Tree Stratum (Plot size: 3061 X 3084 )		Dominan Species'		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
4				Percent of Dominant Species 100 90 (A/B)
6 7				Prevalence Index worksheet:
	The second second	Personal Providence		Total % Cover of: Multiply by:
8	0		a state and the second second	OBL species x 1 =
	CONTRACTOR AND A STREET, SALES	= Total Co		FACW species x 2 =
50% of total cover:	20% of	f total cove	r:	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 3054 K 3054)	10	~	TAC	FACU species x 4 =
1. Liguidambar Styrociska	10	1	FIL	UPL species x 5 =
2 Ilex opaca	10	Y	FAC	
3				Column Totals: (A) (B)
4	A CONTROL OF A CONTRACTOR OF A CONTRACTOR	Transford Content Devices		Prevalence Index = B/A =
				And the set of the Annual State
5				Hydrophytic Vegetation Indicators:
6		100000000000000000000000000000000000000		Rapid Test for Hydrophytic Vegetation
7	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	And Andreas	and a second state of the	2 - Dominance Test is >50%
8		All and all the		□ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
		= Total Co		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 10	20% 0	f total cove	r: 4	
Herb Stratum (Plot size: 305+ X305+)			a second second	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Impatiens carensis	70	Y	FACW	be present, unless disturbed or problematic.
2. WOUSWAVAIA aveolota	5	A	OBL	Definitions of Four Vegetation Strata:
	E	N	FACW	
1000 menu a construction of a second s	-2-	14	CONTRACTOR COMMENTS	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4	and the first and			more in diameter at breast height (DBH), regardless of
5.			and the second s	height.
6				Sapling/Shrub - Woody plants, excluding vines, less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8.			Construction of the	Herb - All herbaceous (non-woody) plants, regardless
2. 2017年、American States (Anno 1999年)、1997年			Contenting .	of size, and woody plants less than 3.28 ft tall.
9				
10		A state of the second		Woody vine - All woody vines greater than 3.28 ft in
11	A CONTRACTOR FOR			height.
12			-	
		= Total Co		And standard in the state of th
50% of total cover: 4c	20% 0	f total cove	r: 16	
Woody Vine Stratum (Plot size: 30 Et X BUET)				
1 Smillers rotundifulio	10	Y	FAC	
2. Parthenocissus guinggerulia	-0	N	FACU	
2. POTTIEDOCISSOS YUTHUELOND		Car Report Party		
3.	Construction	to subficiency.	a and a second second	
4	Laboration and the	Carl Bark Lake		
5.	1.30.27.1.2		and the second	Hydrophytic
and the second	12	= Total Co	over	Vegetation
50% of total cover: 6	20% 0	f total cove	1.2.4	Present? Yes No
	and the second se			<ul> <li>An interpretation of the set of</li></ul>
Remarks: (If observed, list morphological adaptations belo	w).			

Atlantic and Gulf Coastal Plain Region - Version 2.0

# Sampling Point: WSUS002e-W

Depth (inches)	Matrix			x Features	de la la la la	A ALLAND			den
	Color (moist)	%	Color (moist)	%	Type	Loc <sup>2</sup>	Texture	Rema	TKS
3-3	104R6/2	100							
3-20	104R3/1	80	10yR6/2	20	D	m	5	and the second second	
	The second s					and the second			
	All the second second second	and the set				Self Reality			
	<ul> <li>A standard state of the state sta state state state</li></ul>	· ····································		Togong Street	Colorest and and a	Constant of the	CONTRACTOR CONTRACTOR	and the second second	
					An a dealer denne Frederik (Marine)	ACCENT OF THE PARTY OF THE PART			
	and Million and Same	a state of the second	and the second start and	. <u> </u>	Section States	Salara an	Contraction and the state		and the second second
		A CONTRACT		-			abuild have been	a substantia de la compositione de	A STATE OF THE STA
vpe: C=C	oncentration, D=Dep	letion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ins.	<sup>2</sup> Location: PL	=Pore Lining, M=	Matrix.
lydric Soil	Indicators: (Applic	able to all	RRs, unless othe	rwise note	d.)			Problematic Hy	dric Solls :
] Histosol	(A1)		Polyvalue Be					k (A9) (LRR O)	
Histic Ep	pipedon (A2)		Thin Dark St				2 cm Muc	k (A10) (LRR S)	side MLRA 150A,E
	istic (A3)		Loamy Muck			0)	Reduced	Floodolain Soils	(F19) (LRR P, S, T
	en Sulfide (A4)		Loamy Gleye		-2)			is Bright Loamy S	
	d Layers (A5) Bodies (A6) (LRR P	TIN	Redox Dark	Second Street Stre	6)		(MLRA		Martin .
	ucky Mineral (A7) (LR		Depleted Da				Red Pare	nt Material (TF2)	
	resence (A8) (LRR U		Redox Depr					llow Dark Surface	
	uck (A9) (LRR P, T)		Marl (F10) (I	RR U)			Other (Ex	plain in Remarks	)
	d Below Dark Surfac	e (A11)	Depleted Oc					*** *******	usselstep and
	ark Surface (A12)		Iron-Mangar				T) Indicato	ors of hydrophytic id hydrology musi	be present
	Prairie Redox (A16) (I					, U)	wetian	disturbed or pro	blematic.
	Mucky Mineral (S1) (	LRR O, S)	Delta Ochric			0A 150B)	Linesa	and a starbed of pio	
	Gleyed Matrix (S4) Redox (S5)		Piedmont Fl				9A)		
	d Matrix (S6)		Anomalous	Bright Loar	ny Soils (	F20) (MLR.	A 149A, 153C, 1	53D)	
	urface (S7) (LRR P,	5, T, U)				Section 14		Maria and Sanda	Jahr Suday Sugar
	Layer (if observed)					19. Y 10 10 10 10 10 10 10 10 10 10 10 10 10	ALC: NO.		1.1.1
Type:	and the second		and the second				Ash and	State Sector	V
Death de	nches):		<u></u>				Hydric Soil P	resent? Yes_	No
Debru (in	icites).		a series and the series of the series of the			and consideration	and the second second		
Depth (in Remarks:									
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A THE REPORT OF A DATE									



Wetland data point wsus002e\_w facing north.



Wetland data point wsus002e\_w facing east.

Photo Sheet 1 of 2

#### WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region City/County: SUSFOLK Sampling Date: 8/3/16 Project/Site: ACP State: VA Sampling Point: WSUS DO2-4 Applicant/Owner: Dominian Investigator(s): ESI-S, BYAN, K. MURPHIES Section, Township, Range: NA Landform (hillslope, terrace, etc.): HillSlope Local relief (concave, convex, none): CONVEX Slope (%): 2-5 Subregion (LRR or MLRA): LRR T Lat: 26.79450 Long: -76.62241 Datum: V/65 Soil Map Unit Name: Nan semond womy fine sond, 15-30% stores NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_\_ (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes \_\_\_\_\_ 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. Yes No\_ Hydrophytic Vegetation Present? Is the Sampled Area No\_L V Yes\_\_\_\_ No\_\_ Hydric Soil Present? within a Wetland? Yes Yes No\_ Wetland Hydrology Present? Remarks: HYDROLOGY Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Surface Soil Cracks (B6) Primary Indicators (minimum of one is required; check all that apoly) 谭 Sparsely Vegetated Concave Surface (B8) Aquatic Fauna (B13) Surface Water (A1) 100 Drainage Patterns (B10) Marl Deposits (B15) (LRR U) High Water Table (A2) Moss Trim Lines (B16) Saturation (A3) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Oxidized Rhizospheres along Living Roots (C3) Water Marks (B1) 15 Crayfish Burrows (C8) Presence of Reduced Iron (C4) Sediment Deposits (B2) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Thin Muck Surface (C7) Algal Mat or Crust (B4) Other (Explain in Remarks) Shallow Aquitard (D3) 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\_V Depth (inches): NA Surface Water Present? Yes No Depth (inches): 220 Water Table Present? Yes No V Depth (inches): >2d Wetland Hydrology Present? Yes No Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

Paint WSUS002-4

VEGETATION	(Four Strata	- Use scientific names	of plants.
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VEGETATION (Four Strata) – Use scientific na	mes or pr	ants.		Sampling Point:
Tree Stratum (Plot size: 306+X308+)	Absolute % Cover 20	Dominant Species?	Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1. Ilex opaca 2. Fogus glandifolia	20		FAC	1
3	Custominutes/115		100000000000000000000000000000000000000	Total Number of Dominant     (a)       Species Across All Strata:     (B)
4			-	Percent of Dominant Species 50 % (A/B)
5		n a sherilari sa Takas gapera ini Salifi sa she	-	
7				Prevalence Index worksheet: Total % Cover of: Multiply by:
8	110		ALCOST	OBL species         x1 =
50% of total cover:		= Total Co		FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 305+X305+)	20% 01	total cover	The second second	FAC species $27$ $x3 = 81$ FACU species $32$ $x4 = 128$
1. Flex ofaca 2. Kaimia latifolia	5	7_	FAC	FACU species X4 =
(株式)の基本の時代をおかれていたななのではなります。このものは、そのためになったかのである。そのためになったのであるのである。そのために、それにもある。その時代の時代にある。	10	<u> </u>	FACU	UPL species $x 5 =$ Column Totals: $59$ (A) $209$ (B)
3				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6				1 - Rapid Test for Hydrophytic Vegetation
7 8				2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 <sup>1</sup>
	15	= Total Co	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 7.9	20% of	total cover	3	
Herb Stratum (Plot size: 30F1X 3084)	2	V	TARIA	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Phytolacca americana				Definitions of Four Vegetation Strata:
2				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4 5		de la la la la la	102203040	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 8	-			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9				Woody vine - All woody vines greater than 3.28 ft in
10				height.
12			erandente ere er	and the second
50% of total cover:		= Total Co total cover	r: 0.5	
Woody Vine Stratum (Plot size 30F+X30F+)			and an and	
1. Smilax rotundifolia	2	<u> </u>	FAC	
2		- Arabardinan	Trough and the second	
3.		a suffrational of	and the second second	
4		The factor for the		
5	2	= Total Co	ver	Hydrophytic Vegetation
50% of total cover:	Contraction of the local division of the loc	total cove	Children and the Children and C	Present? Yes No
Remarks: (If observed, list morphological adaptations belo				
and the second				

Atlantic and Gulf Coastal Plain Region - Version 2.0

# Sampling Point: WSUS 002-U

Depth	cription: (Describe Matrix			x Feature	S	Section Section		
(inches)	Color (moist)		Color (moist)	%	Type	Loc <sup>2</sup>		Remarks
0-2	104R2/1	100				A Martine	<u>L</u> S	
2-8	104R4/2	100						
2-21)	104R 3/4	100					5	
0 ~							tere destructions and the second s	
Hydric Soll Histoso Histic E Black H Hydroge Stratifie Organic 5 cm M Muck P 1 cm M Deplete Thick D Coast F Sandy 1 Sandy 0 Strippe Dark St	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) e Bodies (A6) (LRR P ucky Mineral (A7) (LF resence (A8) (LRR U uck (A9) (LRR P, T) d Below Dark Surfac ark Surface (A12) Prairie Redox (A16) (I Mucky Mineral (S1) (I Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR P, S	able to all LRI , T, U) , T, U) e (A11) e (A11) LRR O, S) S, T, U)	Rs, unless othe Polyvalue B Thin Dark S Loamy Much Loamy Gley Depleted Ma Redox Dark Depleted Da Redox Depr Marl (F10) ( Depleted Oc Iron-Mangar Umbric Surf Delta Ochric Reduced Ve Piedmont F	rwise not elow Surface (S9 cy Mineral ed Matrix atrix (F3) Surface (I ark Surface (I essions (F LRR U) chric (F11) nese Mass ace (F13) c (F17) (M ertic (F18) oodplain \$	ted.) ace (S8) (L (F1) (LRR S, (F1) (LRR (F2) F6) e (F7) F8) (MLRA 1: Ses (F12) ( (LRR P, T LRA 151) (MLRA 1: Soils (F19)	RR S, T, U T, U) ( 0) 51) LRR O, P, ( U) 50A, 150B) (MLRA 14	Indicators for P I) I cm Muck C cm Muck Reduced Ve Piedmont FI Anomalous (MLRA 15 Red Parent Very Shallo Other (Expl T) Indicators wetland unless d	Material (TF2) w Dark Surface (TF12) ain in Remarks) of hydrophytic vegetation and hydrology must be present, isturbed or problematic.
Type:	Layer (if observed)		-					sent? Yes No
Depth (in	nches):		-				Hydric Soil Pres	sent? Yes NO

Environmental Field Surveys Wetland Photo Page



Upland data point wsus002\_u facing west.



Upland data point wsus002\_u facing south.

Photo Sheet 2 of 2

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

Project/Site: <u>ACP</u>	City/County:	Suffolk		Sampling Date	3-8-16
Applicant/Owner: Dominion			State: VA	Sampling Poin	: WSUDOBOF_W
Investigator(s): L. Roper, W. Vaughan	Section, Townsh	nip, Range:	none		
Landform (hillslope, terrace, etc.): Dramage	Local relief (cond	cave, convex,	none): <u>Concave</u>	SI	ope (%): <u>3-7%</u>
Landform (hillslope, terrace, etc.): <u>Dramaze</u> Subregion (LRR or MLRA): <u>LRRT</u> Lat: <u>36</u> .	79648	Long:	-76.60769	[	Datum: WGS84
Soil Map Unit Name: Nansemond loany Fine Sal 15-	30% slopes		NWI classifi	cation:	)
Are climatic / hydrologic conditions on the site typical for this time of y					
Are Vegetation, Soil, or Hydrology significantly					X No
Are Vegetation, Soil, or Hydrology naturally pr			explain any answe		
SUMMARY OF FINDINGS – Attach site map showing		oint locatio	ons, transects	s, important	features, etc.
Hydrophytic Vegetation Present?       Yes       No         Hydric Soil Present?       Yes       No         Wetland Hydrology Present?       Yes       No         Remarks:       Ves       No	Is the Sa	mpled Area Wetland?		K No	
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indic	ators (minimum	of two required)
Primary Indicators (minimum of one is required; check all that apply)		<u></u>		Cracks (B6)	
Surface Water (A1)				getated Concav	e Surface (B8)
High Water Table (A2) Marl Deposits (B1			Moss Trim L	ines (B10)	
Saturation (A3)     Hydrogen Sulfide       Water Marks (B1)     Oxidized Rhizospi		Roots (C3)		Water Table (C	2)
Sediment Deposits (B2)		,	Crayfish Bu		
Drift Deposits (B3)		s (C6)		/isible on Aerial	Imagery (C9)
Algal Mat or Crust (B4)	and the second		The second s	Position (D2)	
Iron Deposits (B5)	Remarks)		FAC-Neutra		
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)			A DECEMBER OF A DECEMBER OF THE OWNER	moss (D8) (LRR	T. U)
Field Observations:					
Surface Water Present? Yes X No Depth (inches	s): _/	_			
Water Table Present? Yes X No Depth (inches	s): Surface	-		,	
Saturation Present? Yes X No Depth (inches	s): Surface	_ Wetland H	lydrology Prese	nt? Yes <u>×</u>	No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous insp	ections), if ava	ilable:		
Domotion			and Alexandre and Alexandre		
Remarks:					

VEGETATION (I	Four Strata) –	Use scientific names	of plants.
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Sampling Point: WSuo D30Ew

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2 2 0		Dominant		Dominance Test worksheet:
A REAL PROPERTY OF A READ PROPERTY OF A REAL PROPER		Species?	Contraction of the second strate of the	Number of Dominant Species 7
1. Liouidambar Styreciflue		A DESCRIPTION OF A DESC		That Are OBL, FACW, or FAC: (A)
2. Ilex opaco	5	yes	FAC	Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				
7				Prevalence Index worksheet:
8			37776	Total % Cover of:Multiply by:
	25	= Total Cov	er	OBL species x 1 =
50% of total cover: 17.5	and shart have been a manual			FACW species x 2 =
Sapling/Shrub Stratum (Plot size: <u>30 x 30f+</u> )	_ 20 % 01	total cover		FAC species x 3 =
	IE		FAC	FACU species x 4 =
1. Ligustrum Sinense	15		and the state of the state of the state of the	UPL species x 5 =
2. Liquidamber Styrariflua	10	YES	FAC	Column Totals: (A) (B)
3. Symplocos tinctoria			FAC	
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6	All All	ha anticipation of	<u></u>	1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	Children			3 - Prevalence Index is ≤3.0 <sup>1</sup>
	30	= Total Cov	er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover:15	sector of the sector sector and			
Herb Stratum (Plot size: 30 x 30 F+)			10.049-0	1
1. Ligustram Sincess	10	ver	FAr	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		and a surrow with a		Definitions of Four Vegetation Strata:
2				Demitions of Four Vegetation Strata.
3	1212 2010 2020 2020	Contraction of Street, 6	Contraction to the second s	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4				more in diameter at breast height (DBH), regardless of height.
5	And Andrewson			neight.
6				Sapling/Shrub - Woody plants, excluding vines, less
7	- Contractions			than 3 in. DBH and greater than 3.28 ft (1 m) tall.
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11				height.
12.		The second	THE STATE	
	10	= Total Cov	er	
50% of total cover:	Secretary surrow a sector			
Woody Vine Stratum (Plot size: <u>30 x 30 f+</u> )		total bover		
1. Smiler rotundifolia	5	Ves	FAC	
A CONTRACT OF A CO		10	EAL	
2. Vitis rotanditalia	-9	yes	FTIC	
3				
4				
5				Hydrophytic
	10	= Total Cov	r	Vegetation Present? Yes No No
50% of total cover: 5	_ 20% of	total cover	2	
Remarks: (If observed, list morphological adaptations below	N).			
			Ki, Richard	

Sampling Point: UKU0030 F-W

Profile Des	cription: (Describe	to the depth n				or confirm	the absence of in	dicators.)	
Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	ox Features %		Loc <sup>2</sup>	Texture	Remarks	
0-12	10yr 3/1	100			Tipe		ML		
0-12	10 yr 3/1		Market K. Donald					A STATE OF A TANK	
				-	•	a second a s			
Tops rest.				-	•			No and Actions 10	A CONTRACTOR OF THE OWNER
	1			<u>-</u>	·				
		A CONTRACTOR OF THE OWNER					21		
	Indicators: (Applic					ains.		Pore Lining, M=Matrix. Problematic Hydric S	
Histoso			Polyvalue B			.RR S. T. U		(A9) (LRR O)	
	pipedon (A2)	1	Thin Dark S				2 cm Muck	(A10) (LRR S)	
	listic (A3)		Loamy Much			10)		ertic (F18) (outside M	
	en Sulfide (A4) d Layers (A5)	-	Loamy Gley Depleted Ma		(F2)			Floodplain Soils (F19) ( Bright Loamy Soils (F	
The second	Bodies (A6) (LRR P	, т, U)	Redox Dark	TAR PARAMA TRACTOR	=6)		(MLRA 1	53B)	
5 cm M	ucky Mineral (A7) (LI	RR P, T, U)	Depleted Da					t Material (TF2)	0
The second se	resence (A8) (LRR L uck (A9) (LRR P, T)		Redox Depr Marl (F10) (		8)			ow Dark Surface (TF12 Ilain in Remarks)	.)
	ed Below Dark Surfac		Depleted Oc		(MLRA 1	51)			
Thick D	ark Surface (A12)		Iron-Mangar					s of hydrophytic vegeta	
In the second lines are started and the	Prairie Redox (A16) ( Mucky Mineral (S1) (		Umbric Surf Delta Ochric					I hydrology must be pre disturbed or problemati	
	Gleyed Matrix (S4)		Reduced Ve						
Sandy Sandy	Redox (S5)	4	Piedmont Fl						
	d Matrix (S6) urface (S7) (LRR P, S	S.T.IN .	Anomalous	Bright Loa	my Soils (	(F20) (MLR	A 149A, 153C, 153	30)	
	Layer (if observed)			et los y et los et l					
Type:								1	
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	nches):		_				Hydric Soil Pre	sent? Yes	No
Remarks:			1. 1						
C	VR past 12	due to	high W						
1.1.1									
124701-12									



Wetland data point wsuo030f\_w facing south.



Wetland data point wsuo030f\_w facing north.

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

Project/Site:	_ City/County: Sampling Date: 3-8-/6
Applicant/Owner: Dominion	State: VA Sampling Point: Usuo030_U
Investigator(s): L. Roper, W. Vayahan	_ Section, Township, Range:
Landform (hillslope, terrace, etc.): hillslope	Local relief (concave, convex, none): Convex Slope (%): 5-102
Subregion (LRR or MLRA): LRRT Lat: 36.	79652 Long: -76. 60768 Datum: WSG84
Soil Map Unit Name: Nansemand fine sandy loam	15-30% slope NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of y	
	ly disturbed? Are "Normal Circumstances" present? Yes No
Are vegetation, Soil, or Hydrology significant	
	ig sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?         Yes No           Hydric Soil Present?         Yes No	
Wetland Hydrology Present? Yes No	─ within a Wetland? Yes No
Remarks:	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	
Surface Water (A1)	
High Water Table (A2) Marl Deposits (B1	이들은 사람들은 것 같은 것 같아요. 것 같아요. 안 집에 있는 것 같아요. 같이 좋아요. 이들은 것 같아요. 이들은 것은 것은 것은 것을 알았는 것 같아요. 것 같아요. 것 같아요. 것 같아요. 가 나 나 나 나 나 나 나 나 나 나 나 나 나 나 나 나 나 나
Saturation (A3)	
	oheres along Living Roots (C3) Dry-Season Water Table (C2)
Sediment Deposits (B2) Presence of Redu	uced Iron (C4) uction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Recent Iron Redu Algal Mat or Crust (B4) Thin Muck Surfac	
Iron Deposits (B5)	
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 (inche Water Table Present?         Yes No Depth (inche Version Present?	s): 770 incha
Saturation Present? Yes No Z Depth (inche	es): 720 inches   Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial pho	itos, previous inspections), if available:
Remarks:	

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

Sampling Point: WSuo030\_4

20.21		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 x 30 )	A REAL PROPERTY OF A REAL PROPERTY OF	Species?	And the second second second	Number of Dominant Species 5 (A)
1. Fagus granditolia		yes	FACU	That Are OBL, FACW, or FAC: (A)
2. Pinus tacda	Name and Address of the Address of the	yes	FAC	Total Number of Dominant
3. <u>Ilex opaca</u>	15	yes	FAC	Species Across All Strata: (B)
4. Lianidambar styraciflua	10	yes	FAC	Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 71.4 (A/B)
6		MATCH		
7				Prevalence Index worksheet:
8.		STIME L	R. C.	Total % Cover of: Multiply by:
	ALCONOMICS IN A REAL TO A	= Total Cov	er	OBL species x 1 =
50% of total cover:25				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 30, 30)	_ 20/001	total cover	1000	FAC species x 3 =
	IE	Wat	TAC	FACU species x 4 =
1. <u>Ilex opaca</u>	10	Ves	FAC	UPL species x 5 =
2. Fagus grandifolia			FACU	Column Totals: (A) (B)
3				
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6	201000		M. S. S. S. S.	1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8				$\square$ 3 - Prevalence Index is <3.0 <sup>1</sup>
		= Total Cov	er	
50% of total cover:/S		1 States and the states of the		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	_ 20 /0 01	total cover	TERMONT	
Herb Stratum (Plot size: <u>30 x 30</u> )				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. hone				And and a Characteristic in 22 years of the Characteristic in the second state of the Characteristic in the Ch
2		Valuent Architector	States in contract Price	Definitions of Four Vegetation Strata:
3			1002 (Billio 11) 	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
4			2019-02-02-02-02-02-02-02-02-02-02-02-02-02-	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				
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	1000 (1000)		Contraction of the second s	height.
12		1.111111111111111111111111111111111111	Statistics of the state	
	045424 2024 214 1000	= Total Cov		
50% of total cover:	20% of	total cover	-	
Woody Vine Stratum (Plot size: 30 × 30 )	-			
1. Vitis rotundifolia	5	yes	FAC	
	201013			
3				
4.				
5.	THE LOCATION OF	a nasian akar	Transfer of	
5		= Total Cov		Hydrophytic Vegetation
				Present? Yes No
50% of total cover: <u>Z-S</u>	Contract of the second s	total cover	:	
Remarks: (If observed, list morphological adaptations below	w).			
			here was	

Sampling Point: WSuc030\_U

CONTRACTOR SECTOR	ription: (Describe	to the depth r			r or confirm t	he absence of i	ndicators.)	
Depth (inches)	Matrix Color (moist)	%	Rede Color (moist)	x Features % Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
(inches)	Parate of the second second second	100				LS		
0-12	7.5 yr 3/2	Contraction of the second			-	15		and the state of the
12-20	10yr 5/2	100				25		
				-	-			
	and the call of the				-			
								A State of State of State
<sup>1</sup> Type: C=C	oncentration, D=De	pletion, RM=Re	duced Matrix, M	S=Masked Sand G	rains.	<sup>2</sup> Location: PL	=Pore Lining, M=Matr	ix.
Hydric Soil	Indicators: (Applie	able to all LR					Problematic Hydric	Soils':
Histosol				elow Surface (S8)			k (A9) (LRR O)	
and the second sec	pipedon (A2)			urface (S9) (LRR S ky Mineral (F1) (LR			k (A10) (LRR S) Vertic (F18) (outside	MLRA 150A.B)
	istic (A3) en Sulfide (A4)			red Matrix (F2)	K 0)		Floodplain Soils (F19	
	d Layers (A5)		Depleted Ma			Anomalou	s Bright Loamy Soils	(F20)
	Bodies (A6) (LRR I		and the second se	Surface (F6)		(MLRA		
	ucky Mineral (A7) (L			ark Surface (F7)			nt Material (TF2) low Dark Surface (TF	12)
The second se	resence (A8) (LRR I uck (A9) (LRR P, T)	. (1	Marl (F10) (	ressions (F8) LRR U)			plain in Remarks)	/
	d Below Dark Surfa	ce (A11)		chric (F11) (MLRA	151)			
	ark Surface (A12)			nese Masses (F12)			rs of hydrophytic vege	
	rairie Redox (A16) (			face (F13) (LRR P,			d hydrology must be p disturbed or problem	
	Mucky Mineral (S1) Gleyed Matrix (S4)	LRR O, S)		c (F17) (MLRA 151 ertic (F18) (MLRA 1		uniess	disturbed of problem	alic.
	Redox (S5)		the second s	loodplain Soils (F19		A)		
Stripper	d Matrix (S6)		Anomalous	Bright Loamy Soils	(F20) (MLRA	149A, 153C, 15	53D)	
	urface (S7) (LRR P,							And Andrews
A STATE STREET, SALES A	Layer (if observed	):						
Type:	ないないないで、ためですたときになっているかない		-		10 9 3	Hydric Soil Pr	esent? Yes	No_X
Remarks:	nches):		-			Tiyane Son Th		
Remarks:								
12000								
12 7								
a market have								

Environmental Field Surveys Wetland Photo Page



Upland data point wsuo030\_u facing southwest.



Upland data point wsuo030\_u facing northwest.

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

Project/Site: <u>ÅCP</u>	City/County: _	Suffalk		_ Sampling Da	ate: 3-8
Applicant/Owner: Dominion			State: VA	_ Sampling Po	int: WSUO D31 F_W
Investigator(s): L. Roper, W. Vaushan	Section, Town	nship, Range: _	None		
Landform (hillslope, terrace, etc.): Dranger	Local relief (c	oncave, convex	, none): Concar	2	Slope (%): 3-75
Subregion (LRR or MLRA): LRRT Lat: 36-	797.08	Long:	-76.60740	1	Datum: WGS 84
Soil Map Unit Name: Nansemend Fine sandy loom	15-30%	olope	NWI classif	ication: PF	0
Are climatic / hydrologic conditions on the site typical for this time of y					
Are Vegetation, Soil, or Hydrology significant					No
Are Vegetation, Soil, or Hydrology naturally p			explain any answ		
SUMMARY OF FINDINGS – Attach site map showin					
	-	<b>r</b>			
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No		Sampled Area		.,	
Hydric Soil Present?     Yes No       Wetland Hydrology Present?     Yes No	within	a Wetland?	Yes	× No	
Remarks:	-	an der State eine er			
HYDROLOGY		<u></u>			
Wetland Hydrology Indicators:			Secondary Indi	cators (minimur	m of two required)
Primary Indicators (minimum of one is required; check all that apply)			CANADA PARAMANANA ANTI A ALEXANDER	il Cracks (B6)	
Surface Water (A1)	13)		Sparsely V	egetated Conca	ave Surface (B8)
High Water Table (A2)				atterns (B10)	
Saturation (A3)				Lines (B16)	(02)
Water Marks (B1) Oxidized Rhizospi Sediment Deposits (B2) Presence of Redu		ing Roots (C3)		n Water Table ( urrows (C8)	(C2)
Drift Deposits (B3)		oils (C6)			al Imagery (C9)
Algal Mat or Crust (B4)		,		ic Position (D2)	Second and the second second second second
Iron Deposits (B5) Other (Explain in I	Remarks)		Shallow Ac		
Inundation Visible on Aerial Imagery (B7)				al Test (D5)	
Vater-Stained Leaves (B9) Field Observations:			Sphagnum	moss (D8) (LR	(R 1, U)
Surface Water Present? Yes <u>Ves</u> No <u>Depth</u> (inches	or linch				
Water Table Present? Yes <u>No</u> Depth (inches					
Saturation Present? Yes <u>Ves</u> No Depth (inches		Wetland	Hydrology Pres	ent? Yes_	No
(includes capillary fringe)	ASIA STREAM	Rate Statistics			
Describe Recorded Data (stream gauge, monitoring well, aerial photo	tos, previous in	spections), ii av	anabie.		
Remarks:					
					6

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

Sampling Point: Usuo 031 Ew

2- 2-4		Dominant		Dominance Test worksheet:		
	a second and a second s	Species?		Number of Dominant Species	6	
1. Liriodendron tulipifera			FACU	That Are OBL, FACW, or FAC:		(A)
2. Frous grandifalia	5	yes	FACU	Total Number of Dominant	0	
3. Liou: dambar styraciflua	5	yes	FAC	Species Across All Strata:	8	(B)
4				Percent of Dominant Species	2=-	
5				That Are OBL, FACW, or FAC:	75%	(A/B)
6.						
7				Prevalence Index worksheet:		
8				Total % Cover of:	A last opposite that a set of the provident of	
		= Total Cov	er	OBL species x		
50% of total cover: 12.5				FACW species x	2 =	-
Sapling/Shrub Stratum (Plot size: _30x 30 Ft )	_ 20 /0 01	total cover.		FAC species x	3 =	<u>.</u>
Saping/Shrub Stratum (Flot size)	20		TAC	FACU species x	4 =	
1. <u>Ilex geara</u>	20	- yes	FAC	UPL species x	5 =	_
2. Lighterm Sinense			FAC	Column Totals: (A		
3						-
4				Prevalence Index = B/A =	and the second second second	_
5				Hydrophytic Vegetation Indica	itors:	
6				1 - Rapid Test for Hydrophy	tic Vegetation	
7				2 - Dominance Test is >50%	6	
8		A. L. Stand	<u></u>	3 - Prevalence Index is ≤3.0	1	
	40	= Total Cov	rer	Problematic Hydrophytic Ve	getation <sup>1</sup> (Expla	in)
50% of total cover: 20	20% of	total cover:	8		5 (- <b> </b> -	
Herb Stratum (Plot size: 30 × 30社)				<sup>1</sup> Indicators of hydric soil and wet	land hydrology i	must
1. Ligustrum Sinense	15	ves	FAC	be present, unless disturbed or p	problematic.	
2		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Definitions of Four Vegetation	Strata:	CONTRACT!
3.						
4	white the state of	Section 2010 Competence	1.1-1-1-1.1035/0121131-1111	Tree – Woody plants, excluding more in diameter at breast heigh		
この時間である。 いたまた かたまた かまえ しましょう かんかん かかか かかか かかい かいしょう しょうかい ひがた かっとう ひがたかく やくかん たんしゃ ひんかん たかか ひとうかん マント				height.	it (DBH), regard	1633 01
5						
6				Sapling/Shrub – Woody plants, than 3 in. DBH and greater than	excluding vines	, less
7				than 5 m. DBh and greater than	5.20 it (1 iii) tai	
8				Herb - All herbaceous (non-woo	ody) plants, rega	rdless
9				of size, and woody plants less th	nan 3.28 ft tall.	
10				Woody vine - All woody vines g	greater than 3.20	3 ft in
11	AND AND	Allen Lite		height.		
12			Marine .			
	15	= Total Cov	/er		Contract Contract	
50% of total cover: 7.5	_ 20% of	total cover	3			
Woody Vine Stratum (Plot size: 30 × 30 Ft )						
1. Vitis rotundi Polia	10	yes	FAC			
2. Smilax rotundifolia	10	ves	FAC			
3.	192533					
4.	Property and	S. STR.				
5.		1010010	100000	l		
5	20	= Total Cov		Hydrophytic Vegetation	-	
50% of total cover: 10	Contractor and a second method of the	total cover	11	Present? Yes	No	
	CARE THE REPORT OF	total cover	·			
Remarks: (If observed, list morphological adaptations below	w).					
			na si si a sina. Manifi anti atta			

Sampling Point: WSUD O3/1FW

Profile Desc	cription: (Describe	to the depth r	eeded to docu	ment the i	indicator	or confirm	the absence of	indicators.)		
Depth	Matrix		Redo Color (moist)	ox Feature	s Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Rem	arks	
(inches)	Color (moist)	100		%			LS	Ken		
0-10	10yr 3/1	And Annual Property of the second				TTO TO DE	5			and the state
10-20	10 yr 4/1	100			-					
		-		and the sector	-					a articles i arterios recentration
					-	1000 - 1000 				
	And the second s	·		-	-				Galer Tale	Contraction of the second s
	ARC HEALTER ST.			-						
				_						
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion, RM=Re	duced Matrix, M	S=Masked	d Sand Gr	ains.		=Pore Lining, M r Problematic H		le <sup>3</sup> .
A STATE OF THE STA	Indicators: (Applic	able to all LR				DDETI		ck (A9) (LRR O)	yanc soi	15 :
Histoso Histic F	pipedon (A2)		Polyvalue B Thin Dark S					ck (A10) (LRR S)	,	
	istic (A3)		Loamy Much				Reduced	Vertic (F18) (ou	tside MLF	
Hydroge	en Sulfide (A4)		Loamy Gley		(F2)			Floodplain Soils		
<ul> <li>Internet Constraints Statements</li> </ul>	d Layers (A5)		Depleted Ma				Anomalou	us Bright Loamy	Soils (F20	))
	Bodies (A6) (LRR P ucky Mineral (A7) (L		Redox Dark	Second State Second State				ent Material (TF2	)	
	resence (A8) (LRR L		Redox Depr				Very Sha	llow Dark Surfac	e (TF12)	
1 cm M	uck (A9) (LRR P, T)		Marl (F10) (				Other (E>	kplain in Remark	s)	
1. Second sec	d Below Dark Surfac	ce (A11)	Depleted Or Iron-Manga				T) <sup>3</sup> Indicate	ors of hydrophyti	c venetati	on and
	ark Surface (A12) Prairie Redox (A16) (	MLRA 150A)	Umbric Surf					nd hydrology mu		
	Mucky Mineral (S1) (		Delta Ochrid	c (F17) (M	LRA 151)			s disturbed or pro	oblematic.	
	Gleyed Matrix (S4)		Reduced Ve							
	Redox (S5) d Matrix (S6)		Piedmont F				19A) RA 149A, 153C, 1	53D)		
	urface (S7) (LRR P,	S, T, U)		Bright Lua	iny cons (	(1 20) (11121)	(4 1454, 1666, 1			
	Layer (if observed)		THE CONTRACTOR							
Type:			_						1	
Depth (ir	nches):		_		Madala		Hydric Soil P	resent? Yes	<u> </u>	No
Remarks:										
194-15-15-15-										
Section Sec										

I

Environmental Field Surveys Wetland Photo Page



Wetland data point wsuo031f\_w facing west.



Wetland data point wsuo031f\_w facing east.

Photo Sheet 1 of 2

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

Project/Site:	City/County:	Suffolk		Sampling Date: 3-8-16
D				Sampling Point: wswo D31_U
Investigator(s): L. Roper, W. Vaushan	Section, Town	nship, Range:/	one	
Landform (hillslope, terrace, etc.): Hillslope				
Subregion (LRR or MLRA):				
Soil Map Unit Name: Nansemond 100 my fine Sar				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrology si				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s	showing sampling	point locations	s, transects	s, important features, etc.
Hydrophytic Vegetation Present?       Yes No         Hydric Soil Present?       Yes No         Wetland Hydrology Present?       Yes No	X within	Sampled Area a Wetland?	Yes	No
HYDROLOGY Wetland Hydrology Indicators:		Se	econdary Indic	ators (minimum of two required)
Primary Indicators (minimum of one is required; check all th	nat apply)		] Surface Soi	l Cracks (B6)
	auna (B13)		Sparsely Ve	getated Concave Surface (B8)
	oosits (B15) (LRR U)			atterns (B10)
	n Sulfide Odor (C1)		Moss Trim I	
	Rhizospheres along Liv e of Reduced Iron (C4)	ing Roots (C3)	Crayfish Bu	Water Table (C2)
Change with the third rise and the rise is the rise of	ron Reduction in Tilled S	ioils (C6)	· 이상 영상 · · · · · · · · · · · · · · · · · ·	/isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	ck Surface (C7)		Geomorphic	Position (D2)
	xplain in Remarks)		Shallow Aq	
Inundation Visible on Aerial Imagery (B7)			FAC-Neutra	Il Test (D5) moss (D8) <b>(LRR T, U)</b>
Water-Stained Leaves (B9)		an a		
Surface Water Present? Yes NoK_ Dep	th (inches): NA			
Water Table Present? Yes No X Dep				
Saturation Present? Yes X No Dep (includes capillary fringe)	th (inches): 18 in	Wetland Hyd	Irology Prese	nt? Yes No
Describe Recorded Data (stream gauge, monitoring well, a	erial photos, previous in	spections), if availal	ble:	
Remarks:	<u>kan in the second second</u>			
				이 같은 것이 같은 것은 것이 같은 것이 같이 많이 같이

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

Sampling Point: WS40031\_U

	, woordro	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30 x 30 Ft)	The second design from the last	Species?		Number of Dominant Species 7	
	_15_	yes	FAC	That Are OBL, FACW, or FAC:	(A)
2. Fagas grand: Folia	10	yes	FACU	Total Number of Dominant	
3. Lieu: dember Styraciflue		yes	FAC	Species Across All Strata:	(B)
4. <u>Ilex</u> opaca	10	yes	FAC	Percent of Dominant Species	
5				That Are OBL, FACW, or FAC: 87.5	(A/B)
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply by:	
8				OBL species         x1 =	
		= Total Co		FACW species x 2 =	
50% of total cover: 25	20% of	total cover	:_10_	FAC species x 3 =	
Sapling/Shrub Stratum (Plot size: 30 × 30 f+)				FACU species         x 4 =	
1. Fague granditate	_ 5	no	FACU	UPL species x5 =	
2. Symplocos tinctoria		yes	FAC	Column Totals:         (A)	
3. Ilex opaca	20	yes	FAC		- (0)
4		dia di la		Prevalence Index = B/A =	
5		and the second		Hydrophytic Vegetation Indicators:	1.19
6				1 - Rapid Test for Hydrophytic Vegetation	
7	1.2		1 <u></u>	2 - Dominance Test is >50%	
8				$\square$ 3 - Prevalence Index is ≤3.0 <sup>1</sup>	
	40	= Total Co	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain	ר)
50% of total cover: 20	20% of	total cover	:8		
Herb Stratum (Plot size: 30 x 30 f+ )				<sup>1</sup> Indicators of hydric soil and wetland hydrology m	nust
1. nonc	112.226.0	(Adda adda)		be present, unless disturbed or problematic.	
2				Definitions of Four Vegetation Strata:	
3		Sec. and and		Tree - Woody plants, excluding vines, 3 in. (7.6 c	m) or
4		a sha sha sh		more in diameter at breast height (DBH), regardle	ess of
5.				height.	
6				Sapling/Shrub - Woody plants, excluding vines,	less
7				than 3 in. DBH and greater than 3.28 ft (1 m) tall.	
8				Herb – All herbaceous (non-woody) plants, regar	dless
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.		A MARCEN		height.	
12.					
	0	= Total Co	ver		a chanain Train ann
50% of total cover:	Committee Assactments	f total cove			
Woody Vine Stratum (Plot size: 30 230)					
1. Vitis rotandifalia	10	yes	FAC		
2. Sanitax studifolia	10	ves	FAC		
3.					
4.					
5.				Hydrophytic	
	20	= Total Co	ver	Vegetation	
50% of total cover: 16	20% 0			Present? Yes No No	
Remarks: (If observed, list morphological adaptations belo	The second states of the second				
		1.00.2010	and a state		1.5.12

Sampling Point: USuo031\_U

Profile Des	cription: (Describe	to the depth	needed to docu	ment the indicate	or or confirm th	e absence of indicato	rs.)	
Depth	Matrix		Red	ox Features		-	Barrish	
(inches)	Color (moist)	%	Color (moist)	%Type	Loc <sup>2</sup>	Texture	Remarks	No. 200 years
0-5	10yr 2/2	100					na stra tarih da air	
5-20	10 yr 2/1	100				SL		
A CONTRACTOR								
Internet and	A CONTRACTOR OF THE	A CONTRACTOR	Weinstein mehows	NAME OF TAXABLE				
-								AND PERSONAL PROPERTY.
- Contraction				-				
					<u></u>	the state of the second		a and the state
							N. C. I. M. Marian	
Type: C=C	Concentration, D=De	pletion RM=R	educed Matrix M	S=Masked Sand	Grains	<sup>2</sup> Location: PL=Pore L	ining, M=Matrix,	
Hydric Soi	Indicators: (Applie	cable to all LF	RRs, unless othe	erwise noted.)		Indicators for Proble		s <sup>3</sup> :
Histoso				elow Surface (S8)	(LRR S. T. U)	1 cm Muck (A9) (I	RR O)	
	Epipedon (A2)			urface (S9) (LRR		2 cm Muck (A10)		
the second state of the se	Histic (A3)			ky Mineral (F1) (Li		Reduced Vertic (F	18) (outside MLF	RA 150A,B)
	en Sulfide (A4)		Loamy Gley	ed Matrix (F2)		Piedmont Floodpl		
	ed Layers (A5)		Depleted Ma	A SCALE DESIGN OF STREET, AND A STREET, ST		Anomalous Bright	Loamy Soils (F20	))
	c Bodies (A6) (LRR I		Contraction of the second diversity provide	Surface (F6)		(MLRA 153B)		
and the second s	lucky Mineral (A7) (L			ark Surface (F7)		Red Parent Mater		
The second se	Presence (A8) (LRR			ressions (F8)		Uvery Shallow Dar		
	luck (A9) (LRR P, T) ed Below Dark Surfa		Marl (F10) (	chric (F11) (MLRA	151)		Remarks)	
A second state of the s	Dark Surface (A12)	ce (ATT)		nese Masses (F12		<sup>3</sup> Indicators of hy	drophytic vegetati	on and
	Prairie Redox (A16) (	(MLRA 150A)	The second s	face (F13) (LRR P			ogy must be pres	
	Mucky Mineral (S1)			c (F17) (MLRA 15		Second States and the inclusion many development of the second states and the second states and the second states are second states and the second states are second states and the second states are se second states are second are second states are second are seco	ed or problematic.	
	Gleyed Matrix (S4)			ertic (F18) (MLRA				
	Redox (S5)			loodplain Soils (F1				
	d Matrix (S6)		Anomalous	Bright Loamy Soil	s (F20) (MLRA	149A, 153C, 153D)		
	urface (S7) (LRR P,					a an is an an an an an	Martin Martin	and hand
Restrictive	Layer (if observed	):						
Type:			<u> </u>					X
Depth (i	nches):		<u> </u>			Hydric Soil Present?	Yes I	No X
Remarks:							and the second second	
1.2.2.4.2.2.								
Market States								

Environmental Field Surveys Wetland Photo Page



Upland data point wsuo031\_u facing north.



Upland data point wsuo031\_u facing northeast.

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

Project/Site: ACP	City/County:	Suffolk		_ Sampling Date:	3-8-16
Applicant/Owner: Dominian		S	tate: VA	_ Sampling Point:	WSU0029FW
Investigator(s): L. Roper, W. Vaueban	Section, Town	ship, Range:)	lone		
Landform (hillslope, terrace, etc.):	Local relief (co	ncave, convex, n	ione): <u>Conca</u>	Ve Slo	pe (%): <u>3-7</u>
Landform (hillslope, terrace, etc.): <u>dra:nape</u> Subregion (LRR or MLRA): <u>LRRT</u> Lat: <u>36</u> ,	7 170 4535	Long:	76.60685	703 Da	atum: WGS 84
Soil Map Unit Name: Nansemand loamy fine sand	15-30%	slope	NWI classi	fication: PFO	
Are climatic / hydrologic conditions on the site typical for this time of y					
Are Vegetation, Soil, or Hydrology significantly					No
Are vegetation, Soil, or Hydrology naturally pr	roblematic?	/If pooded as	volain any anew	vers in Remarks )	
					anturas ato
SUMMARY OF FINDINGS – Attach site map showing		Joint location	is, transect	s, important in	eatures, etc.
Hydrophytic Vegetation Present? Yes No		ampled Area			
Hydric Soil Present? Yes <u>V</u> No		a Wetland?	Yes	No	_
Wetland Hydrology Present? Yes No	·				
Remarks:					
HYDROLOGY					
Wetland Hydrology Indicators:				cators (minimum o	f two required)
Primary Indicators (minimum of one is required: check all that apply)				oil Cracks (B6)	
Surface Water (A1)	· · · · · · · · · · · · · · · · · · ·			egetated Concave	Surface (B8)
High Water Table (A2)				Patterns (B10)	
Saturation (A3)       Hydrogen Sulfide         Water Marks (B1)       Oxidized Rhizospi		Roots (C3)		Lines (B16) n Water Table (C2)	
Sediment Deposits (B2)		ig (000)		urrows (C8)	,
Drift Deposits (B3)		ils (C6)		Visible on Aerial In	magery (C9)
Algal Mat or Crust (B4)	e (C7)			ic Position (D2)	
Iron Deposits (B5)	Remarks)			uitard (D3)	
Inundation Visible on Aerial Imagery (B7)				al Test (D5)	T 10
Water-Stained Leaves (B9)			Sphaghum	n moss (D8) (LRR 1	1, 0)
Surface Water Present? Yes No Depth (inches	AV Is				
Water Table Present? Yes V No Depth (inches	,	-			
Saturation Present? Yes V No Depth (inches		Wetland H	ydrology Pres	ent? Yes_/	No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial phot					
Describe Recorded Data (stream gauge, monitoring weil, aenai pro-	tos, previous ins	pections), il avai			
Remarks:					

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

Sampling Point: WousD29F.w

	and the second se	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30F+ x30F+)		Species?	the second se	Number of Dominant Species 3
1. Liquidambar Styrecifina	10	yes	FAC	That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant >
3				Total Number of Dominant Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: _/OO(A/B)
6				
7				Prevalence Index worksheet:
8		CANNER S.		Total % Cover of:Multiply by:
	The second s	= Total Cov	er	OBL species x 1 =
50% of total cover: 5				FACW species x 2 =
Sapling/Shrub Stratum (Plot size: <u>30F4 × 3 oF4</u> )		total cover.	1000	FAC species x 3 =
The same the set of some set of any constraints of the set of the	5	00	FACW	FACU species x 4 =
1. <u>Magnolia Vilginiana</u>	Dark the passworth and	yes	FAC	UPL species x 5 =
2. Lightrum Sinense	President and other	1 Public Hours of Color	THE REPORT OF THE	Column Totals: (A) (B)
3				
4				Prevalence Index = B/A =
5				Hydrophytic Vegetation Indicators:
6	Columnation of the		24 (1994) - Ala 	1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
8	1.000			□ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
	45	= Total Cov	er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
50% of total cover: 22.5	20% of	f total cover:	9	
Herb Stratum (Plot size: 30ft x 30ft)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. Lighstrum Sinchse	10	ves	FAC	be present, unless disturbed or problematic.
2		100 100 100 100 100 100 100 100 100 100		Definitions of Four Vegetation Strata:
3				
4.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5.	Street Storage	Settore records the		height.
6				Sapling/Shrub – Woody plants, excluding vines, less
				than 3 in. DBH and greater than 3.28 ft (1 m) tall.
7				
8				Herb – All herbaceous (non-woody) plants, regardless
9				of size, and woody plants less than 3.28 ft tall.
10				Woody vine - All woody vines greater than 3.28 ft in
11		The ballet		height.
12	1102.000			
	10	= Total Cov	er	
50% of total cover: 5	20% of	f total cover:	2	
Woody Vine Stratum (Plot size: 30 P4 x 30 F1)				
1. none		Con address	<u>a de la se la</u>	
2	A. M.			
3.				
4.	LINE MUSIC			
5				11. deservation
ð	0	= Total Cov		Hydrophytic Vegetation
FOR statel seven				Present? Yes X No
50% of total cover:	the second state of the second	r total cover		
Remarks: (If observed, list morphological adaptations belo	w).			

# Sampling Point: WSU0029F\_W

Profile Desc	ription: (Describe	to the depth	neede	ed to docum	ent the in	idicator	or confirm t	he absence o	of indicator	s.)	
Depth	Matrix				Features						
(inches)	Color (moist)	%	Color	r (moist)			Loc <sup>2</sup>	Texture		Remarks	NICE PROVIDENCE
0-2	10 yr 3/2	·						15			
2-20	10 yr 5/1	95% 1	Oyr	5/6	5%	C	_ <u>M</u>	5			N
									Stand State		
		1000									
					N.C.C.						
<sup>1</sup> Type: C=Co	oncentration, D=Dep	letion, RM=Re	educe	d Matrix, MS	=Masked	Sand Gra	ains.			ning, M=Matrix	
	Indicators: (Applic									natic Hydric S	oils <sup>3</sup> :
Histosol				Polyvalue Bel					uck (A9) (L		
(c) the second secon	bipedon (A2) stic (A3)			Thin Dark Sui .oamy Mucky					uck (A10) (I	18) (outside M	LRA 150A.B)
	en Sulfide (A4)			oamy Gleye			,			in Soils (F19) (	
Stratified	Layers (A5)		1000	Depleted Mat	and the state of the state of the state			Contraction of the second second second	and the second state of th	Loamy Soils (F	20)
and the second sec	Bodies (A6) (LRR P		_	Redox Dark S	percent opposite on the and				A 153B) Irent Materia	al (TE2)	
	ucky Mineral (A7) (Ll resence (A8) (LRR L		The second second	Depleted Dar Redox Depre						Surface (TF12	2)
The second	uck (A9) (LRR P, T)	.,		Marl (F10) (L		-,			Explain in R		
A second disease in the second s	d Below Dark Surfac	e (A11)		Depleted Och				. 3			tion and
	ark Surface (A12) rairie Redox (A16) (I	MI DA 150A)		ron-Mangane Jmbric Surfa						rophytic vegeta	
<ol> <li>Bandward Clin, A. Jochstein and Article 2019.</li> </ol>	Aucky Mineral (S1) (			Delta Ochric			, 0,			d or problemati	
	Gleyed Matrix (S4)			Reduced Ver			iOA, 150B)				
Sandy F				Piedmont Flo					4520)		
	I Matrix (S6) Irface (S7) (LRR P, S	S T III	ц,	Anomalous B	right Loar	my Solis (	F20) (MLRA	A 149A, 153C,	, 153D)		
	Layer (if observed)					en alla anti-	States and				0501000000
Type:			_							1	
Depth (in	ches):		_					Hydric Soil	Present?	Yes	No
Remarks:											