

Photo 1 Non-water data point NOAUC050 facing east



Photo 2 Non-water data point NOAUC050 facing west

Project/Site: Atlantic Coast Pipeline	City/County:	Augusta County	_ Sampling Date: 6/14/2016
Applicant/Owner: DOMINION		State: VA	
Investigator(s): Team Z	Section, Tow	nship, Range: No PLSS in this are	
Landform (hillslope, terrace, etc.): Floodplain		ave, convex, none): <u>convex</u>	Slope (%): <u>2</u>
Subregion (LRR or MLRA): <u>S</u> Lat: <u>38</u>	.22917482	Long: <u>-79.3543314</u>	Datum: WGS 1984
Soil Map Unit Name: Philo silt Ioam		NWI classif	ication: UPL
Are climatic / hydrologic conditions on the site typical for th	is time of year? Yes	, No (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances"	present? Yes 🖌 No
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS Attach atta man	chowing compling	noint locations transport	a important factures ato

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No No No	V V V	Is the Sampled Area within a Wetland?	Yes	No	<u>v</u>
Remarks:	anned NIM/Lwat	and					
This is a "no" point associated with a ma		and.					

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) True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizospheres on Living I	Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced Iron (C4)	Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction in Tilled Sc	ils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No 🖌 Depth (inches):	
Water Table Present? Yes No 🖌 Depth (inches):	
	Watland Hydralamy Brasant2 Vac No.
Saturation Present? Yes No 🖌 Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect	
(includes capillary fringe)	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect	
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(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect	

Sampling Point: noauz002

, , ,	Abaaluta	• Dominant In	diaatar	Deminence Test werkehest
Tree Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Ir Species?		Dominance Test worksheet:
	0		Status	Number of Dominant Species
1. none	-	· ·		That Are OBL, FACW, or FAC: (A)
2				
				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0 (A/B)
6		· <u> </u>		Prevalence Index worksheet:
7				
	0	= Total Cover		Total % Cover of: Multiply by:
50% of total cover: 0		total cover:	0	OBL species x 1 =0
	2070 01			FACW species 0 x 2 = 0
Sapling/Shrub Stratum (Plot size: 15)				0
1. none	0			FAC species $x^3 = $
2				FACU species 100 x 4 = 400
2				UPL species 0 x 5 = 0
3				100 400
4				Column Totals: (A) (B)
		· ·		
5		· ·		Prevalence Index = B/A =4
6				Hydrophytic Vegetation Indicators:
7				
		· ·		1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9.				
	0	= Total Cover		3 - Prevalence Index is ≤3.0 ¹
			0	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:0	20% 01	total cover:	<u> </u>	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5)				
1 Dactylis glomerata	60	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
••	40	Yes	FACU	
2. Phleum pratense	40	165	FACU	¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5		· ·		
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of
7		· ·		height.
8		·		Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
		· ·		m) tall.
10		· ·		III) tall.
11		·		Herb – All herbaceous (non-woody) plants, regardless
	100	= Total Cover		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 50	20% of	total cover	20	
50% of total cover: 50	20% of	total cover:	20	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size:)	20% of	total cover:	20	Woody vine – All woody vines greater than 3.28 ft in height.
Woody Vine Stratum (Plot size: 30)	0	total cover:	20	
Woody Vine Stratum (Plot size: 30)	0	·	20	
Woody Vine Stratum (Plot size: 30) 1. none 2.	0	· ·	20	
Woody Vine Stratum (Plot size: 30)	0	· ·	20	
Woody Vine Stratum (Plot size:	0	· ·	20	height.
Woody Vine Stratum (Plot size:	0	· ·	20	height. Hydrophytic
Woody Vine Stratum (Plot size:	0	· ·	20	height. Hydrophytic Vegetation
Woody Vine Stratum (Plot size:	0	· ·		height. Hydrophytic
Woody Vine Stratum (Plot size: 30) 1. none 2. 3. 3. 4. 5.	0 	= Total Cover		height. Hydrophytic Vegetation
Woody Vine Stratum (Plot size:	0 0 0 20% of			height. Hydrophytic Vegetation
Woody Vine Stratum (Plot size: 30) 1. none 2. 3. 3. 4. 5.	0 0 0 20% of	= Total Cover		height. Hydrophytic Vegetation
Woody Vine Stratum (Plot size:	0 0 0 20% of	= Total Cover		height. Hydrophytic Vegetation
Woody Vine Stratum (Plot size:	0 0 0 20% of	= Total Cover		height. Hydrophytic Vegetation
Woody Vine Stratum (Plot size:	0 0 0 20% of	= Total Cover		height. Hydrophytic Vegetation
Woody Vine Stratum (Plot size:	0 0 0 20% of	= Total Cover		height. Hydrophytic Vegetation
Woody Vine Stratum (Plot size:	0 0 0 20% of	= Total Cover		height. Hydrophytic Vegetation
Woody Vine Stratum (Plot size:	0 0 0 20% of	= Total Cover		height. Hydrophytic Vegetation
Woody Vine Stratum (Plot size:	0 0 0 20% of	= Total Cover		height. Hydrophytic Vegetation

Profile Desc	cription: (Describe t	o the depth	needed to docur	nent the in	dicator of	or confirm	the absence of indicators.)	
Depth	Matrix			x Features				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture Remarks	
0-3	10YR 4/3	100					SIL	
3-19	10YR 5/3	100					SIL	
. 								
. <u> </u>				<u> </u>				
. <u> </u>								
. <u></u>								
¹ Type: C=C	oncentration, D=Deple	etion, RM=R	Reduced Matrix, M	S=Masked	Sand Gra	ains.	² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil		,	,				Indicators for Problematic Hydric Soils	s ³ :
Histosol	(A1)		Dark Surface	e (S7)			2 cm Muck (A10) (MLRA 147)	
	pipedon (A2)		Polyvalue Be	· · /	e (S8) (N	ILRA 147.		
	istic (A3)		Thin Dark Su				(MLRA 147, 148)	
	en Sulfide (A4)		Loamy Gleye	, ,	•	,,	Piedmont Floodplain Soils (F19)	
, 0	d Layers (A5)		Depleted Ma		_,		(MLRA 136, 147)	
	uck (A10) (LRR N)		Redox Dark	. ,	5)		Very Shallow Dark Surface (TF12)	
	d Below Dark Surface	(A11)	Depleted Da				Other (Explain in Remarks)	
	ark Surface (A12)	()	Redox Depre		. ,		<u> </u>	
	/lucky Mineral (S1) (L	RR N.	Iron-Mangan		,	RR N.		
	A 147, 148)	,	MLRA 13		o (/ (.	,		
	Gleyed Matrix (S4)		Umbric Surfa	•	ILRA 13	6. 122)	³ Indicators of hydrophytic vegetation ar	nd
	Redox (S5)		Piedmont Flo					
-	Matrix (S6)		Red Parent M					
	Layer (if observed):				/ (,		
Type:	,							
· · ·	ches):		_				Hydric Soil Present? Yes No _	/
Remarks:							•	



Non water data point NOAUZ002 facing northeast



Non water data point NOAUZ002 facing northwest

Project/Site: Atlantic Coast Pipeline	City/County: AL	ugusta County	Sampling Date: 6/14/2016		
Applicant/Owner: DOMINION		State: VA	Sampling Point: noauz001		
Investigator(s): Team Z	Section, Towns	hip, Range: No PLSS in this are			
Landform (hillslope, terrace, etc.):		ve, convex, none): <u>convex</u>	Slope (%): <u>2</u>		
Subregion (LRR or MLRA): <u>S</u> Lat: <u>38</u>	.22969766	Long: <u>-79.35478762</u>	Datum: WGS 1984		
Soil Map Unit Name: Philo silt Ioam		NWI classif	ication: UPL		
Are climatic / hydrologic conditions on the site typical for th	is time of year? Yes	_ No (If no, explain in I	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 answ	ers in Remarks.)		
SUMMARY OF FINDINGS Attach site man	chowing compling p	oint locations transact	s important foaturos ato		

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No No No	Is the Sampled Area within a Wetland?	Yes	No	v
Remarks: This is a "no" point associated with a ma	apped NWI wetl	and.				

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) True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizospheres on Living	Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced Iron (C4)	Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction in Tilled Sc	ils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No 🖌 Depth (inches):	
Water Table Present? Yes No 🖌 Depth (inches):	
Saturation Present? Yes No <u><</u> Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	tions), if available:
Remarks:	

Sampling Point: noauz001

	•	Absolute	Dominant I	ndicator	Dominanco Tost workshoot:	
Tree Stratum (Plot size:	30		Species?		Dominance Test worksheet:	
	/	0	opecies:	Olalus	Number of Dominant Species	
1. <u>none</u>					That Are OBL, FACW, or FAC: (A)
2					Total Number of Deminent	
					Total Number of Dominant Species Across All Strata: 2 (I	B)
3						ь)
4			·		Percent of Dominant Species	
5						A/B)
6						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			·		Prevalence Index worksheet:	
7			·			
		0	= Total Cove	er	Total % Cover of: Multiply by:	
	50% of total cover: 0	20% of	total cover:	0	OBL species x 1 =0	
Sapling/Shrub Stratum (Plot siz	45				FACW species $\begin{array}{c} 0 \\ x 2 = \\ \end{array}$	
	ze)	0				
1. none		0			FAC species 0 $x_3 = 0$	
2					FACU species X 4 =	
					UPL species x 5 =0	
3					100 /00	
4			·		Column Totals: (A)	(B)
5						
					Prevalence Index = B/A =4	
6			·		Hydrophytic Vegetation Indicators:	
7					1 - Rapid Test for Hydrophytic Vegetation	
8						
			·		2 - Dominance Test is >50%	
9			·	<u> </u>	3 - Prevalence Index is $\leq 3.0^{1}$	
			= Total Cove		4 - Morphological Adaptations ¹ (Provide suppo	orting
	50% of total cover: 0	20% of	total cover:	0		Jung
Herb Stratum (Plot size:	5				data in Remarks or on a separate sheet)	
1. Dactylis glomerata)	60	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)	1
••						
2. Phleum pratense		40	Yes	FACU	1	
3					¹ Indicators of hydric soil and wetland hydrology mu	ist
					be present, unless disturbed or problematic.	
4			·		Definitions of Four Vegetation Strata:	
5						
6					Tree – Woody plants, excluding vines, 3 in. (7.6 cm	n) or
				<u> </u>	more in diameter at breast height (DBH), regardles	s of
7			·		height.	
8						
9					Sapling/Shrub – Woody plants, excluding vines, le than 3 in. DBH and greater than or equal to 3.28 ft	
			· · · · · · · · · · · · · · · · · · ·		m) tall.	(T
10			·		ini) tan.	
11					Herb – All herbaceous (non-woody) plants, regardl	less
		100	= Total Cove	er	of size, and woody plants less than 3.28 ft tall.	
	50% of total cover: 50		total cover:			
					Woody vine – All woody vines greater than 3.28 ft	in
Woody Vine Stratum (Plot size	:)				height.	
1		0				
2						
3			·			
4					Hydrophytic	
5					Vegetation	
··-		-			Present? Yes No	
	0		= Total Cove	<u> </u>		
	50% of total cover: 0	20% of	total cover:	0		
Remarks: (Include photo numb	ers here or on a separate s	sheet.)				

Profile Des	cription: (Describe to	o the dept	n needed to docur	nent the i	ndicator o	or confirm	the absence o	f indicato	rs.)	
Depth	Matrix			x Features						
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-3	10YR 4/3	100					SIL			
3-19	10YR 5/3	100					SIL			
		<u> </u>								
					·					
					. <u> </u>					
	oncentration, D=Deple	ation RM-	Peduced Matrix M	S-Maskad	Sand Gra	ine	² Location: PL=	-Pore Linir	na M-Matrix	
Hydric Soil			Veduced Matrix, Mc		Sanu Ora	uns.			oblematic Hy	
Histosol			Dark Surface	(S7)					10) (MLRA 1	
	pipedon (A2)		Polyvalue Be		ce (S8) (M	LRA 147.			Redox (A16)	
	istic (A3)		Thin Dark Su					MLRA 14		
Hydroge	en Sulfide (A4)		Loamy Gleye	d Matrix (I	F2)		Pie	dmont Flo	odplain Soils	(F19)
Stratifie	d Layers (A5)		Depleted Ma	trix (F3)			(MLRA 13	6, 147)	
	uck (A10) (LRR N)		Redox Dark	(,			•	Dark Surface	· /
-	d Below Dark Surface	(A11)	Depleted Date				Oth	ner (Explai	n in Remarks)
	ark Surface (A12)		Redox Depre		,					
-	Mucky Mineral (S1) (LI	RR N,	Iron-Mangan		es (F12) (l	_RR N,				
	A 147, 148)		MLRA 13			C 400)	31.5 ali a	atawa af bi		and the second
	Gleyed Matrix (S4) Redox (S5)		Umbric Surfa Piedmont Flo					•	drophytic veo ogy must be	
	d Matrix (S6)		Red Parent N	•	. ,	•	•	•	ed or problem	
	Layer (if observed):					~ 127, 147		33 013(015)		ano.
Type:										
, · · ·	ches):						Hydric Soil P	rocont?	Yes	No 🖌
	<u> </u>							iesent?	165	
Remarks:										



Non water data point NOAUZ001 facing northwest



Non water data point NOAUZ001 facing southwest



Non-water point NOAUA410 facing north

Project/Site: Atlantic Coast Pipeline	City/County: <u>Augusta County</u> Sampling Date	ə: 3/4/2016
Applicant/Owner: DOMINION	State: VA Sampling P	oint: <u>noauc103</u>
Investigator(s):	Section, Township, Range: No PLSS in this area	
Landform (hillslope, terrace, etc.): Historic floodplain		lope (%): <u>2</u>
Subregion (LRR or MLRA): S Lat: 38.2667472	Long: <u>-79.32947503</u> Dat	tum: WGS 1984
Soil Map Unit Name: Craigsville fine sandy loam	NWI classification: None	
Are climatic / hydrologic conditions on the site typical for this time of	i year? Yes 🖌 No (If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology significar	ntly disturbed? Are "Normal Circumstances" present? Yes _	✓ No
Are Vegetation, Soil, or Hydrology naturally	problematic? (If needed, explain any answers in Remarks.)	1
SUMMARY OF FINDINGS – Attach site map showi	ng sampling point locations, transects, important	features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No 🖌 No 🖌 No 🖌	 Is the Sampled Area within a Wetland? 	Yes	No
Remarks:			· · · · ·		
Non water point for a forest NWI polygon area lacks wetland indicators.	n. Area is locat	ed within his	oric floodplain of nearby perennial	I stream and it ha	as signs of beaver activity, but the

uired)
(B8) C9)
~
•

Sampling Point: noauc103

, , ,	Abaaluta	Deminent I		Deminence Test worksheet
Tree Stratum (Plot size: 30)	Absolute	Dominant	-	Dominance Test worksheet:
<u></u>)	<u>35</u>	<u>Species?</u> Yes	Status FACU	Number of Dominant Species
1. Quercus rubra				That Are OBL, FACW, or FAC: (A)
2. Pinus strobus	35	Yes	FACU	
3. Platanus occidentalis	25	Yes	FACW	Total Number of Dominant
3				Species Across All Strata: 6 (B)
4				
5				Percent of Dominant Species That Are OBL_EACW_ or EAC: 33.33333333 (A/B)
			·	That Are OBL, FACW, or FAC: <u>33.333333333</u> (A/B)
6				Prevalence Index worksheet:
7				
	95	= Total Cove		Total % Cover of: Multiply by:
500/ of total array 47 F			19	OBL species0 x 1 =0
50% of total cover: 47.5	20% of	total cover:	10	10 00
Sapling/Shrub Stratum (Plot size: 15)				FACW species $x 2 = $
1. Quercus rubra	15	Yes	FACU	FAC species $0 x 3 = 0$
	15	Yes	FACW	FACU species 90 x 4 = 360
2. Vaccinium corymbosum	15	165	TAGW	
3				UPL species x 5 =
				Column Totals: (A) (B)
4				
5				Prevalence Index = B/A =3.38
6				
			<u> </u>	Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				
				2 - Dominance Test is >50%
9	- 20			3 - Prevalence Index is ≤3.0 ¹
		= Total Cove		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 15	20% of	total cover:	6	
Herb Stratum (Plot size: 5)		_		data in Remarks or on a separate sheet)
Polystichum acrostichoides	F		FAOL	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Polysuchum acrosucholdes	5	Yes	FACU	· · · · · · · · · · · · · · · · ·
2				
				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
				Demittons of Four Vegetation of ata.
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
_				
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
			·	,
11				Herb – All herbaceous (non-woody) plants, regardless
	5	= Total Cove	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 2.5		total cover:		
				Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30)				height.
1				
2			<u> </u>	
3				
4				
			·	Hydrophytic
5				Vegetation
	0.	= Total Cove	er	Present? Yes <u>No</u>
50% of total cover: 0	20% of	total cover:	0	
		·····		
50% of total cover:0 Remarks: (Include photo numbers here or on a separate s	20% of	= Total Cove total cover:_	<u> </u>	Present? Yes No
1				

Profile Desc	cription: (Describe to	o the depth	n needed to docur	nent the in	dicator o	or confirm	the absence	of indicators.)			
Depth	Matrix		Redo	x Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0-18	10 YR 3/3	100					S	40% gravel and cobble			
				<u> </u>							
	·										
¹ Type: C=C	oncentration, D=Deple	etion, RM=F	Reduced Matrix, MS	S=Masked S	Sand Gra	ins.	² Location: P	L=Pore Lining, M=Matrix.			
Hydric Soil	Indicators:						Indica	ators for Problematic Hydric So	ils ³ :		
<u> </u>	(A1)		Dark Surface	e (S7)			2	cm Muck (A10) (MLRA 147)			
Histic E	pipedon (A2)		Polyvalue Be	low Surface	e (S8) (M	LRA 147,	148) C	oast Prairie Redox (A16)			
Black H	stic (A3)		Thin Dark Su	irface (S9) ((MLRA 1	47, 148)		(MLRA 147, 148)			
Hydroge	en Sulfide (A4)		Loamy Gleye	ed Matrix (F2	2)		P	iedmont Floodplain Soils (F19)			
Stratifie	d Layers (A5)		Depleted Ma	trix (F3)				(MLRA 136, 147)			
2 cm Mu	uck (A10) (LRR N)		Redox Dark	Surface (F6	i)		V	ery Shallow Dark Surface (TF12)			
Deplete	d Below Dark Surface	(A11)	Depleted Date	rk Surface (F7)		C	other (Explain in Remarks)			
Thick Da	ark Surface (A12)		Redox Depre	essions (F8))						
Sandy N	/lucky Mineral (S1) (L l	RR N,	Iron-Mangan	ese Masses	s (F12) (L	.RR N,					
	A 147, 148)		MLRA 13								
	Bleyed Matrix (S4)		Umbric Surfa	· / •				icators of hydrophytic vegetation	and		
	Redox (S5)		Piedmont Flo	•	, ,	•	•	tland hydrology must be present,			
	Matrix (S6)		Red Parent N	Aaterial (F2	1) (MLR/	A 127, 147) un	less disturbed or problematic.			
Restrictive	Layer (if observed):										
Туре:											
Depth (in	ches):						Hydric Soil	Present? Yes No _	~		
Remarks:							1				
No hydric soil	present										



Photo 1 Non-water data point NOAUC103 facing northwest



Non-water point NOAUB001 facing west



Non-water data point NOAUE001 facing west

Project/Site: Atlantic Coast Pipeline	City/County: /	Augusta County		Sampling Date: 6/22/2016		
Applicant/Owner: Dominion			State: VA	Sampling Poir		
Investigator(s): GB, KO	Section, Towr	nship, Range: <mark>No</mark>	PLSS in this are	ea		
			ne): <u>concave</u>		pe (%): <u>4</u>	
Subregion (LRR or MLRA): <u>S</u> Lat: <u>38.25870603</u>		Long: -79.	14949127	Datur	m: WGS 1984	
Soil Map Unit Name: Frederick-Christian gravelly silt loams, 15 to 25 p	percent slopes,	eroded	NWI classifi	ication: UPLAND		
Are climatic / hydrologic conditions on the site typical for this time of ye	ear?Yes 🖌	No	(If no, explain in F	Remarks.)		
Are Vegetation, Soil, or Hydrology significantly	y disturbed?	Are "Normal	Circumstances"	present? Yes	✓ No	
Are Vegetation, Soil, or Hydrology naturally pr	roblematic?	(If needed, e	explain any answe	ers in Remarks.)		
SUMMARY OF FINDINGS – Attach site map showing	g sampling	point locatio	ons, transects	s, important fe	eatures, etc.	

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes _✔	No No No	Is the Sampled Area within a Wetland?	Yes	No		
Remarks: No point for a topographic signature in a gully located at the edge of the survey corridor approximately 40 feet upslope from the start of a NHD intermittent stream line. Does not meet criteria for hydric soils nor hydrophytic vegetation.							

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) True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizospheres on Living	Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced Iron (C4)	Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction in Tilled Sc	ils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No 🖌 Depth (inches):	
Water Table Present? Yes No 🖌 Depth (inches):	
Saturation Present? Yes No 🔽 Depth (inches):	Wetland Hydrology Present? Yes <u></u> No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	tions), if available:
Remarks:	

Sampling Point: noaua401

	A 1 1 (-	Devices	. Pastan	Deminence Test workshoet
Tree Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant I Species?	Status	Dominance Test worksheet:
Catalpa bignonioides	5	Yes	FACU	Number of Dominant Species That Are OBL EACW or EAC: 3 (A)
2. Ailanthus altissima	5	Yes	FACU	That Are OBL, FACW, or FAC:3 (A)
2				Total Number of Dominant
3		·	. <u> </u>	Species Across All Strata: 9 (B)
4		<u> </u>		Demonst of Dominant Species
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33333333 (A/B)
6				
				Prevalence Index worksheet:
7	10			Total % Cover of: Multiply by:
50% of total cover: 5		= Total Cove	r 2	OBL species 0 $x = 0$
15	20% 01	f total cover:		FACW species 0 $x 2 = 0$
Sapling/Shrub Stratum (Plot size:)				
1. Rubus idaeus	10	Yes	FAC	FAC species $x_3 = 240$
_{2.} Elaeagnus umbellata	10	Yes		FACU species X 4 =
3. Rosa multiflora	10	Yes	FACU	UPL species x 5 =
4. Catalpa bignonioides	5	No	FACU	Column Totals: (A) (B)
5. Juglans nigra	5	No	FACU	
6. Ailanthus altissima	5	No	FACU	Prevalence Index = B/A =3.5
		·		Hydrophytic Vegetation Indicators:
7. Berberis thunbergii	5	No	FACU	1 - Rapid Test for Hydrophytic Vegetation
8		<u> </u>		2 - Dominance Test is >50%
9				
	50	= Total Cove	r	3 - Prevalence Index is $\leq 3.0^{1}$
50% of total cover: 25		f total cover:	10	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size:5)				data in Remarks or on a separate sheet)
Persicaria virginiana	55	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Alliaria petiolata	10	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Phytolacca americana	10	No	FACU	be present, unless disturbed or problematic.
4. Dichanthelium clandestinum	10	No	FAC	Definitions of Four Vegetation Strata:
5				Deminions of Four Vegetation of ata.
6.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of
7		·		height.
8			. <u> </u>	Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10		<u> </u>		m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	85	= Total Cove	r	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 42.5		total cover:		
Woody Vine Stratum (Plot size: 30)				Woody vine – All woody vines greater than 3.28 ft in
Vitis aestivalis	15	Yes	FACU	height.
2. Parthenocissus quinquefolia	10	Yes	FACU	
	10	Yes	FAC	
3. Toxicodendron radicans	10	res	FAC	
4				Hydrophytic
5.				Vegetation
	35	= Total Cove	r	Present? Yes No V
50% of total cover: 17.5		f total cover:	-	
Remarks: (Include photo numbers here or on a separate s	neet.)			

Depth Matrix Redox Features (inches) Color (moist) % Type' Loc' Texture Remarks 0-3 7.5YR 3/2 100 SIC SIC SIC	Profile Des	cription: (Describe t	o the depth	needed to docur	nent the in	dicator o	or confirm	the absence o	f indicato	rs.)		
0-3 7.5YR 3/2 100 SIC 3-18 7.5YR 5/6 100 C	Depth				x Features							
3-18 7.5YR 5/6 100 C 3-18 7.5YR 5/6 100 C				Color (moist)	%	Type ¹	Loc ²			Remarks		
Image: Indicators in the image: Im	0-3	7.5YR 3/2	100					SIC				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :	3-18	7.5YR 5/6	100					С				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :	<u> </u>											
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :	·											
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :												
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :												
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :												
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :												
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :				<u> </u>								
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :												
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :												
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :												
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :		oncontration D-Don	otion PM-E	Poducod Matrix M	S-Mackad	Sand Gra	inc	² Location: PL	-Doro Linir	a M-Matrix		
Histosol (A1) Dark Surface (S7) 2 cm Muck (A10) (MLRA 147) Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Coast Prairie Redox (A16) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) MLRA 147, 148) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) Stratified Layers (A5) Depleted Matrix (F3) (MLRA 136, 147) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Other (Explain in Remarks) Thick Dark Surface (A12) Redox Depressions (F8) Other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Iron-Manganese Masses (F12) (LRR N, MLRA 136) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 127, 147) unless disturbed or problematic. Restrictive Layer (if observed): Type: Silly clay Hydric Soil Present? Yes No Depth (inches): 0 Hydric Soil Present? Yes No ✓					S=IVIASKEU	Sanu Gra	uns.					ls ³ :
Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Coast Prairie Redox (A16) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) (MLRA 147, 148) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) Stratified Layers (A5) Depleted Matrix (F3) (MLRA 136, 147) 2 cm Muck (A10) (LRR N) Redox Dark Surface (F6) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Other (Explain in Remarks) Thick Dark Surface (A12) Redox Depressions (F8) Other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR N, Iron-Manganese Masses (F12) (LRR N, ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Type: Silty clay No Vers Depth (inches): 0 No Vers	-			Dark Surface	(97)							
		()				e (S8) (M	I RA 147.					
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) Stratified Layers (A5) Depleted Matrix (F3) (MLRA 136, 147) 2 cm Muck (A10) (LRR N) Redox Dark Surface (F6) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Other (Explain in Remarks) Thick Dark Surface (A12) Redox Depressions (F8) Other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR N, Iron-Manganese Masses (F12) (LRR N, MLRA 136, Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) ³ Indicators of hydrophytic vegetation and Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 127, 147) unless disturbed or problematic. Restrictive Layer (if observed): Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Type: <u>0</u> Unbric Surface (F13) (MLRA 127, 147) unless disturbed or problematic.				·								
Stratified Layers (A5) Depleted Matrix (F3) (MLRA 136, 147) 2 cm Muck (A10) (LRR N) Redox Dark Surface (F6) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Other (Explain in Remarks) Thick Dark Surface (A12) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) MLRA 136) Iron-Manganese Masses (F12) (LRR N, Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) ³ Indicators of hydrophytic vegetation and Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Restrictive Layer (if observed): Type: <u>silty clay</u> No Depth (inches): 0 Hydric Soil Present? Yes No No		()			· · ·	•	,,		•		(F19)	
2 cm Muck (A10) (LRR N) Redox Dark Surface (F6) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Other (Explain in Remarks) Thick Dark Surface (A12) Redox Depressions (F8) Other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR N, Iron-Manganese Masses (F12) (LRR N, Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) MLRA 136) Imprice Surface (F13) (MLRA 136, 122) 3 Indicators of hydrophytic vegetation and Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) 3 Indicators of hydrophytic vegetation and Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Restrictive Layer (if observed): Type: silty clay No ✓ Depth (inches): 0 No ✓	- · ·	. ,				,					,	
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) No Mulca 127, 147 Wetland hydrology must be present, Unless disturbed or problematic. Hydric Soil Present? Yes No						5)					e (TF12)	
Sandy Mucky Mineral (S1) (LRR N, Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) MLRA 136) Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Restrictive Layer (if observed): rype: Type: 0 Depth (inches): 0	Deplete	d Below Dark Surface	e (A11)	Depleted Da	rk Surface ((F7)		Oth	ner (Explai	n in Remarks	5)	
MLRA 147, 148) MLRA 136)	Thick D	ark Surface (A12)		Redox Depre	essions (F8))						
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 136, 122) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Restrictive Layer (if observed): Type: silty clay Depth (inches): 0 Hydric Soil Present? Yes No	Sandy M	/lucky Mineral (S1) (L	RR N,	Iron-Mangan	ese Masse	s (F12) (l	_RR N,					
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, unless disturbed or problematic. Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Restrictive Layer (if observed): Type: silty clay Depth (inches): 0 Ves No								2				
Stripped Matrix (S6)Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Restrictive Layer (if observed):		• • • •			· / ·						-	.nd
Restrictive Layer (if observed): Type: silty clay Depth (inches): 0 Hydric Soil Present? Yes No		. ,							•	•••		
Type: silty clay Depth (inches): 0 Hydric Soil Present? Yes No ✓				Red Parent N	Material (F2	1) (MLR/	A 127, 147	') unle	ss disturbe	ed or problem	natic.	
Depth (inches): 0 V Mo V	Restrictive	Layer (if observed):										
Remarks:	Depth (in	ches): U						Hydric Soil P	Present?	Yes	No	<u>v</u>
	Remarks:											



Non water data point NOAUA401 facing southwest



Non-water point NOAUA402 facing south



Non-water point NOAUA007K facing east through karst point



Non-water point NOAUB008 facing north



Non-water point NOAUA008K facing south through karst point



Non-water data point NOAUA052 facing east northeast



Non-water point NOAUB017 facing west



Non-water point NOAUB009 facing west



Non-water point NOAUB010 facing north



Non-water point NOAUB011 facing south



Non-water point NOAUB012 facing south



Non-water point NOAUB005 facing south



Non-water point NOAUA011K facing north through karst point



Non-water point NOAUB004 facing north



Non-water point NOAUA012K facing southeast through karst point



Non-water point NOAUA013K facing southeast through karst point



Non-water point NOAUA015K facing east through karst point



Non-water point NOAUA014K facing southeast through karst point



Non-water point NOAUB003 facing southeast



Non-water point NOAUZ008 facing west



Non-water point NOAUZ007 facing east



Non-water point NOAUZ006 facing north

Environmental Field Surveys Non-water Point Photo Page



Non-water point noaup001 facing southeast. (NHD, not stream)



Non-water point noaup001 facing northwest. (NHD, not stream)

Photo Sheet 1 of 2

Environmental Field Surveys Non-water Point Photo Page



Non-water point noaup001 facing northeast. (NHD, not stream)



Non-water point noaup001, across road facing north. (NHD, not stream)



Non-water point NOAUA408 facing east



Non-water data point NOAUF004 facing east

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Atlantic Coast Pipeline	City/County: Augusta County	Sampling Date: 5/13/2016
Applicant/Owner: Dominion	Stat	e: <u>VA</u> Sampling Point: <u>noauf003</u>
Investigator(s): SH, LC	_ Section, Township, Range: No PLSS	in this area
Landform (hillslope, terrace, etc.): Depression	.ocal relief (concave, convex, none): <u>c</u>	
Subregion (LRR or MLRA): <u>S</u> Lat: <u>38.12614888</u>	Long: <u>-79.14166</u>	989 Datum: WGS 1984
Soil Map Unit Name: <u>Water</u>	N	WI classification: UPL
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes No 🖌 (If no,	explain in Remarks.)
Are Vegetation, Soil, or Hydrology _ 🖌 significant	ly disturbed? Are "Normal Circu	mstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	problematic? (If needed, explain	any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	ig sampling point locations, t	ransects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes _✔	No No No	Is the Sampled Area within a Wetland?	Yes	No		
Remarks:							
Area appears to have been altered, possibly a historic attempted stock pond. However, no hydric vegetation or soils							

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)
	Dry-Season Water Table (C2)
Field Observations:	
Surface Water Present? Yes No <u></u> Depth (inches):	
Water Table Present? Yes No <u><</u> Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect)	Wetland Hydrology Present? Yes V ions), if available:

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

Sampling Point: noauf003

	Absolute	Dominant Ir	dicator	Dominance Test worksheet:
Tree Stratum (Plot size: 0)			Status	
Prunus serotina	15	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2. Juglans nigra	5	No	FACU	
3. Viburnum prunifolium	3	No	FACU	Total Number of Dominant
	3	No	17100	Species Across All Strata:4 (B)
4. Pinus virginiana		INO		Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0 (A/B)
6				
				Prevalence Index worksheet:
7	26			Total % Cover of: Multiply by:
50% of total cover: 13		= Total Cover	5.2	OBL species 0 x 1 =0
	20% of	total cover:		3 6
Sapling/Shrub Stratum (Plot size:)				FACW species $\begin{array}{c} 0 \\ \hline \end{array}$ x 2 = $\begin{array}{c} 0 \\ \hline \end{array}$
1. Symphoricarpos orbiculatus	15	Yes	FACU	FAC species X 3 =
2. Viburnum prunifolium	10	Yes	FACU	FACU species 81 x 4 = 324
3. Lonicera morrowii	5	No	FACU	UPL species $0 x 5 = 0$
4. Juglans nigra	3	No	FACU	Column Totals: (A) (B)
5				Prevalence Index = B/A =3.92
6		. <u> </u>		Hydrophytic Vegetation Indicators:
7				
8				1 - Rapid Test for Hydrophytic Vegetation
0				2 - Dominance Test is >50%
9	- 22	. <u> </u>		3 - Prevalence Index is ≤3.0 ¹
	33 = Total Cover			4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:16.5	20% of	total cover:	6.6	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 0)				
_{1.} Arctium lappa	30	Yes		Problematic Hydrophytic Vegetation ¹ (Explain)
2. Carex normalis	10	No	FACU	
3. Rubus allegheniensis	10	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
	5			be present, unless disturbed or problematic.
4. Parthenocissus quinquefolia		No	FACU	Definitions of Four Vegetation Strata:
5. Agrimonia parviflora	3	No	FACW	
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
·				noight.
δ				Sapling/Shrub – Woody plants, excluding vines, less
9		<u> </u>		than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	28	= Total Cover	r	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 29		total cover:		,
Woody Vine Stratum (Plot size: 0)				Woody vine – All woody vines greater than 3.28 ft in
1. none	0			height.
2				
3				
4				
5.				Hydrophytic Vegetation
	0			Present? Yes No
		= Total Cover	~	
50% of total cover: 0		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			

		o the dep				or confirm	the absence of indicators.)	
Depth (inches)	<u>Matrix</u> Color (moist)	%	Color (moist)	<u>x Feature</u> %	s Type ¹	Loc ²	Texture Remarks	
0-8	10YR 5/4	80	7.5YR 4/6	3	C	<u></u> M	C	
			10YR 4/2	17		M		
8-18	10YR 5/3	98	7.5YR 5/6	2	C	PL/M	C	
1								
						·		
	-		·					
1			De de se d'Matrix M	2			² Provide Plance Linited M. Martein	
	Concentration, D=Depl	etion, Rivi	=Reduced Matrix, Ma	5=Masked	a Sand Gra	ains.	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric So	ile ³ .
-			Dark Surfage	(07)			•	
Histoso	Epipedon (A2)		Dark Surface Polyvalue Be	. ,	000 (S8) (M		2 cm Muck (A10) (MLRA 147) 148) Coast Prairie Redox (A16)	
	listic (A3)		Thin Dark Su				(MLRA 147, 148)	
	en Sulfide (A4)		Loamy Gleye	•	, ,	47, 140)	Piedmont Floodplain Soils (F19)	
	ed Layers (A5)		Depleted Ma		(1 2)		(MLRA 136, 147)	
	luck (A10) (LRR N)		Redox Dark		-6)		Very Shallow Dark Surface (TF12)	
	ed Below Dark Surface	e (A11)	Depleted Da		,		Other (Explain in Remarks)	
	Dark Surface (A12)	()	Redox Depre		• •			
	Mucky Mineral (S1) (L	RR N,	Iron-Mangan	•		LRR N,		
MLR	A 147, 148)		MLRA 13	6)	. , .			
Sandy	Gleyed Matrix (S4)		Umbric Surfa	ice (F13)	(MLRA 13	6, 122)	³ Indicators of hydrophytic vegetation	and
Sandy	Redox (S5)		Piedmont Flo	odplain S	Soils (F19)	(MLRA 14	8) wetland hydrology must be present,	
Strippe	d Matrix (S6)		Red Parent M	Material (F	21) (MLR	A 127, 147) unless disturbed or problematic.	
Restrictive	Layer (if observed):							
Туре:								
Depth (ir	nches):						Hydric Soil Present? Yes No	~
Remarks:							1	



No-water data point NOAUF003 facing west



No-water data point NOAUF003 facing east



Non-water point NOAUA405 facing north



Non-water point NOAUA405 facing south



Non-water point NOAUA404 facing northeast



Non-water point NOAUA003K facing north through karst point