

Seep data point PHIA405 facing northwest



Seep data point PHIA406 facing southwest



Seep data point PBAA004 facing east



Seep data point PBAA006 facing northeast

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Atlantic Coast Pipeline	City/County: August	а	Sampling Date: 9/23/2016
Applicant/Owner: DOMINION		State: Virginia	
Investigator(s): Team A	Section, Township, F	Range:	
Landform (hillslope, terrace, etc.): Hill Slope	Local relief (concave, co	onvex, none): <u>none</u>	Slope (%): <u>30</u>
Subregion (LRR or MLRA): Lat:	38.28879929 L	ong: <u>-79.22200012</u>	Datum:
Soil Map Unit Name:		NWI classific	ation: UPL
Are climatic / hydrologic conditions on the site typical for	this time of year? Yes No	(If no, explain in R	emarks.)
Are Vegetation, Soil, or Hydrology	_ significantly disturbed? Ar	e "Normal Circumstances" p	oresent? Yes 🖌 No
Are Vegetation, Soil, or Hydrology	_ naturally problematic? (If	needed, explain any answe	rs in Remarks.)
SUMMARY OF FINDINGS - Attach site ma	n showing sampling poin	locations transacts	important features etc

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
Remarks:					
Seep point that lacks hydric soil and hyd	rophytic vegeta	ition			

HYDROLOGY

Wetland Hydrology Indicato	rs:				Secondary Indicators (minimum of two required)
Primary Indicators (minimum	of one is requi	red; chec	k all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)		Sparsely Vegetated Concave Surface (B8)			
 High Water Table (A2) 		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 S	oils (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 Aer	ial Imagery (B	7)			Shallow Aquitard (D3)
Water-Stained Leaves (B	9)				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): 0		
Saturation Present?			Depth (inches):	Wetland H	ydrology Present? Yes 🖌 No
(includes capillary fringe)					
Describe Recorded Data (stre	am gauge, m	Shitoring	well, aerial photos, previous inspe	ctions), if ava	Iadie:
Remarks:					
Hydrology present					
Hydrology present.					
Hydrology present.					
Hydrology present.					
Hydrology present.					
Hydrology present.					
Hydrology present.					
Hydrology present.					
Hydrology present.					
Hydrology present.					
Hydrology present.					

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

Sampling Point: paua409

, ,	Absolute	Dominant	ndicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30)		Species?		
Quercus muehlenbergii	40	Yes	UPL	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (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		·		Prevalence Index worksheet:
7				
		= Total Cove		Total % Cover of: Multiply by:
50% of total cover:	20 20% of	total cover:	8	
Sapling/Shrub Stratum (Plot size: 15)			FACW species $0 x 2 = 0$
1				FAC species x 3 =
2				FACU species $5 x 4 = 20$
				UPL species 40 x 5 = 200
3				Column Totals: (A) (B)
4		·		
5		·		Prevalence Index = B/A =4.88
6		·		Hydrophytic Vegetation Indicators:
7		·		1 - Rapid Test for Hydrophytic Vegetation
8		. <u> </u>		2 - Dominance Test is >50%
9				
	0	= Total Cove	r	3 - Prevalence Index is ≤3.0 ¹
50% of total cover:			0	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: <u>5</u>)		-		data in Remarks or on a separate sheet)
1 Kalmia latifolia	5	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
·· <u> </u>		·		
2				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4		·		Definitions of Four Vegetation Strata:
5		·		Tree Meady plants avaluding vince 2 in (7.6 cm) or
6		·		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				
· · · ·	5	= Total Cove		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover:		total cover:		or size, and woody plants less than 5.20 it tall.
	20 % 01	total cover.		Woody vine – All woody vines greater than 3.28 ft in
<u> </u>				height.
1	·	·		
2		·		
3				
4				Hydrophytic
5				Vegetation
		= Total Cove	r	Present? Yes No 🗸
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separation of the second se	rate sheet.)			
- (· · · · · · · · · · · · · · · · · ·	,			

Profile Des	cription: (Describe t	o the depth	needed to docun	nent the ir	ndicator	or confirm	the absence of indicators.)
Depth	Matrix		Redo	x Features			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks
0-16	10 YR 4/3	100					SL
							· · _
							· · _
	anoantration D Don	ation DM D	aduaad Matrix M	Maakad	Cond Cr	ine	² Leastion: DL Data Lining M Matrix
Hydric Soil	oncentration, D=Depl	etion, RIVI=R	educed Matrix, Na	s=Ivlasked	Sand Gra	ains.	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
			David Ourface	(07)			-
Histoso	· · /		Dark Surface		(00) (1)		2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				
	istic (A3)		Thin Dark Su	. ,	•	47, 148)	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		-2)		Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat		C)		(MLRA 136, 147)
	uck (A10) (LRR N) d Below Dark Surface	(11)	Redox Dark S Depleted Dar	•	,		Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
·	ark Surface (A12)	; (ATT)	Redox Depre				
	Mucky Mineral (S1) (L		Iron-Mangan		,		
	A 147, 148)	ΝΝ Ν ,	MLRA 13		5 (F12) (1		
	Gleyed Matrix (S4)		Umbric Surfa		MI R & 13	6 122)	³ Indicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo	. , .			
	d Matrix (S6)		Red Parent N	•	. ,	•	, , , , , , , , , , , , , , , , , , , ,
	Layer (if observed):					A 121, 141	
Туре:			_				
	ches):		_				Hydric Soil Present? Yes No
Remarks:							
No hydric soi	l present						



Photo 1 Seep data point paua409 facing south

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Atlantic Coast Pipeline	City/County: August	а	Sampling Date: 9/20/2016		
Applicant/Owner: DOMINION		State: Virginia			
Investigator(s): Team A	Section, Township,	Range:			
Landform (hillslope, terrace, etc.): Toe of slope	Local relief (concave, c	onvex, none): <u>none</u>	Slope (%): <u>5</u>		
Subregion (LRR or MLRA): La	t: <u>38.28910065</u> L	.ong: <u>-79.18930054</u>	Datum:		
Soil Map Unit Name:		NWI classific	cation: UPL		
Are climatic / hydrologic conditions on the site typical	for this time of year? Yes No		emarks.)		
Are Vegetation, Soil, or Hydrology	significantly disturbed?	re "Normal Circumstances"	oresent? Yes 🖌 No		
Are Vegetation, Soil, or Hydrology	naturally problematic? (If	needed, explain any answe	ers 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 Yes Yes _✔	No No No	Is the Sampled Area within a Wetland?	Yes	No 🖌
Remarks:					
Seep point at bottom of the slope					

HYDROLOGY

Wetland Hydrology Indicato	rs:				Secondary Indicators (minimum of two required)
Primary Indicators (minimum of	of one is rec	uired; che	eck all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)		Sparsely Vegetated Concave Surface (B8)			
 High Water Table (A2) 		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 S	oils (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 Aeri	al Imagery	(B7)			Shallow Aquitard (D3)
Water-Stained Leaves (B	9)				Microtopographic Relief (D4)
Aquatic Fauna (B13)					FAC-Neutral Test (D5)
Field Observations:					
Surface Water Present?	Yes 🖌	No	Depth (inches):2		
Water Table Present?	Yes 🖌	No	Depth (inches):0		
Saturation Present?	Yes 🖌	_ No	Depth (inches):0	Wetland H	lydrology Present? Yes 🖌 No
(includes capillary fringe) Describe Recorded Data (stre	am daude	monitoring	well, aerial photos, previous inspec	ctions) if ava	ilable:
	un gaage, i	mormormig			
Remarks:					
Hydrology present					
5 051					
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
,, .					

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

Sampling Point: paua408

,	Absolute	Dominant I	ndicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30</u>)		Species?		
1				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3		·		Species Across All Strata: <u>3</u> (B)
4		. <u></u>		Demont of Demission (Demoised
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33333333 (A/B)
				(A/B)
6		·		Prevalence Index worksheet:
7	0	·	·······	Total % Cover of: Multiply by:
		= Total Cove		
50% of total cover:0	20% of	total cover:	0	
Sapling/Shrub Stratum (Plot size:15)				FACVV species x 2 =
1				FAC species x 3 = 45
2				FACU species 25 x 4 = 100
				UPL species x 5 = 0
3		·		40 145
4		. <u> </u>		Column Totals: (A) (B)
5				Prevalence Index = $B/A = 3.62$
6				
		·		Hydrophytic Vegetation Indicators:
7			·	1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	0	= Total Cove	r	
50% of total cover: 0	20% of	total cover:	0	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5)		_		data in Remarks or on a separate sheet)
1. Rubus allegheniensis	20	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Acer rubrum	15	Yes	FAC	¹ Indicators of hydric soil and wetland hydrology must
3. Geranium carolinianum	10	Yes		be present, unless disturbed or problematic.
_{4.} Pinus strobus	5	No	FACU	Definitions of Four Vegetation Strata:
5				Deminions of Four vegetation Strata.
			·	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Conting/Charts Manhanta avaluation visco loss
9				Sapling/Shrub – Woody plants, excluding vines, less 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
		= Total Cove		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 25	20% of	total cover:	10	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size:30)				height.
1				
2				
3		·		
4		- <u> </u>		Hydrophytic
5				Vegetation
		= Total Cove	r	Present? Yes No V
50% of total cover: 0	20% of	total cover:	0	
		total cover.		
Remarks: (Include photo numbers here or on a separate s	heet.)			

Profile Desc	ription: (Describe t	o the depth	needed to docur	nent the ir	ndicator o	or confirm	the absence	of indicate	ors.)	
Depth	Matrix		Redo	x Features						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-12	10 YR 5/3	100					SL	10% Grav	el in profile	
¹ Type: C=Co	oncentration, D=Depl	etion, RM=R	educed Matrix, MS	S=Masked	Sand Gra	ains.	² Location: P	L=Pore Lini	ng, M=Matrix	
Hydric Soil	ndicators:						Indica	ators for Pr	oblematic H	ydric Soils ³ :
Histosol	(A1)		Dark Surface	e (S7)			2	cm Muck (/	A10) (MLRA [·]	147)
Histic Ep	oipedon (A2)		Polyvalue Be	low Surfac	e (S8) (M	LRA 147,	148) C	oast Prairie	Redox (A16))
Black Hi	stic (A3)		Thin Dark Su	rface (S9)	(MLRA 1	47, 148)		(MLRA 14	7, 148)	
	n Sulfide (A4)		Loamy Gleye		-2)		F		odplain Soils	(F19)
	Layers (A5)		Depleted Ma					(MLRA 13		
	ick (A10) (LRR N)		Redox Dark		,			•	Dark Surfac	. ,
	Below Dark Surface	e (A11)	Depleted Date		. ,		C	ther (Expla)	in in Remarks	5)
	ark Surface (A12)		Redox Depre							
-	lucky Mineral (S1) (L	RR N,	Iron-Mangan		es (F12) (I	_RR N,				
	A 147, 148)		MLRA 13			C 400)	31	instant of h		
	ileyed Matrix (S4)		Umbric Surfa	· /·					ydrophytic ve	-
-	edox (S5) Matrix (S6)		Piedmont Flo Red Parent M	•	. ,	•	•	,	logy must be ed or problen	•
	ayer (if observed):			nalenai (F2		A 1 <i>21</i> , 147) un			
Type: roc										
Depth (inc			_				Hydric Soil	Present?	Yes	No 🖌
Remarks:										

No hydric soil present



Photo 1 Seep data point PAUA408 facing northwest



Seep data point PAUA411 facing southeast



Seep data point PAUA410 facing southeast

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Atlantic Coast Pipeline	City/County: Augusta	Sampling Date: 1/14/2016
Applicant/Owner: Dominion	Sta	te: <u>VA</u> Sampling Point: paua050
Investigator(s): GB, SA	Section, Township, Range:	
Landform (hillslope, terrace, etc.): draw	Local relief (concave, convex, none): <u>C</u>	oncave Slope (%): <u>10</u>
Subregion (LRR or MLRA): Lat: 37.1	945578 Long: -78.95991	1 Datum:
Soil Map Unit Name:	1	NWI classification:
Are climatic / hydrologic conditions on the site typical for thi	s time of year? Yes 🔽 No (If no,	explain in Remarks.)
Are Vegetation, Soil, or Hydrologys	significantly disturbed? Are "Normal Circu	ımstances" present? Yes 🖌 No
Are Vegetation, Soil, or Hydrology r	naturally problematic? (If needed, explain	n any answers in Remarks.)
	al and a a smaller a solution attacks	two was a tank to a tank for a tank a sta

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
Remarks:					
Seasonal seep in a rocky draw beside s	stream sauc100;	no bed/bank/OHW	VI; 3 feet by 25 feet.		

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) 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 F	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 So	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): 1	
Water Table Present? Yes No ✓ Depth (inches): Saturation Present? Yes ✓ No Depth (inches): 0	Wetland Hydrology Present? Yes No
Water Table Present? Yes No V Depth (inches):	
Water Table Present? Yes No ✓ Depth (inches):	
Water Table Present? Yes No ✓ Depth (inches): Saturation Present? Yes ✓ No Depth (inches): 0 (includes capillary fringe) Ves ✓ No Depth (inches): 0	
Water Table Present? Yes No ✓ Depth (inches):	
Water Table Present? Yes No ✓ Depth (inches):	
Water Table Present? Yes No ✓ Depth (inches):	
Water Table Present? Yes No ✓ Depth (inches):	
Water Table Present? Yes No ✓ Depth (inches):	
Water Table Present? Yes No ✓ Depth (inches):	
Water Table Present? Yes No ✓ Depth (inches):	
Water Table Present? Yes No ✓ Depth (inches):	

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

Sampling Point: paua050

	Absolute	Dominant II	ndicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30</u>)			Status	
1 Quercus alba	15	Yes	FACU	Number of Dominant Species
	10	Yes	FAC	That Are OBL, FACW, or FAC: (A)
2. Nyssa sylvatica	10	Tes	FAC	Total Number of Dominant
3				Species Across All Strata: 6 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: <u>33.33333333</u> (A/B)
6.				
7				Prevalence Index worksheet:
/	25			Total % Cover of: Multiply by:
40.5		= Total Cove		
50% of total cover: 12.5	20% of	total cover:	5	
Sapling/Shrub Stratum (Plot size: 15)				FACW species x 2 =
1. Carpinus caroliniana	15	Yes	FAC	FAC species 25 x 3 = 75
	8			25 140
2. Betula lenta		Yes	FACU	FACU species 35 x 4 = 140
_{3.} Hamamelis virginiana	7	Yes	FACU	UPL species x 5 =
1				Column Totals:60 (A)215 (B)
4				
5				Prevalence Index = $B/A = $ 3.58
6				
				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				
	30	= Total Cove		3 - Prevalence Index is ≤3.0 ¹
500/ // / 15			6	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:15	20% of	total cover:	<u> </u>	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5)				
1				Problematic Hydrophytic Vegetation ¹ (Explain)
2				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				
				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
				noight.
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
	0	= Total Cove	r	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 0	20% of	total cover:	0	
Woody Vine Stratum (Plot size: 30)				Woody vine – All woody vines greater than 3.28 ft in
1 Smilax smallii	5	Yes	FACU	height.
1. <u>Strings Striging</u>		163	1 400	
2				
3				
4				Hydrophytic
5.				Vegetation
	5	= Total Cove	r	Present? Yes No 🗸
50% of total cover: 2.5		total cover:		
		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
herbaceous layer dormant				
,				

Profile Desc	cription: (Describe t	o the dept	h needed to docur	nent the i	ndicator	or confirm	the absence	of indicato	ors.)		
Depth	Matrix		Redox Features								
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	<u> </u>		Remarks		
0-3	10YR 2/2	100					L				
3-10	7.5YR 4/2	50					SCL				
	7.5YR 5/4	50					SCL	ROCK AT 10"			
											—
								. <u></u>			—
											—
<u> </u>								-			—
	oncentration, D=Depl	etion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ains.			ng, M=Matrix.		
Hydric Soil									oblematic Hy		
Histosol	()		Dark Surface	· · ·					A10) (MLRA 1	47)	
	pipedon (A2)		Polyvalue Be		· · ·		148)		Redox (A16)		
	istic (A3)		Thin Dark Su	• • •	•	47, 148)		MLRA 14		(E10)	
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3)					Piedmont Floodplain Soils (F19) (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)							
·	ark Surface (A12)	· · /	Redox Depre					· ·	,		
Sandy M	/lucky Mineral (S1) (L	RR N,	Iron-Mangan	ese Masse	es (F12) (I	LRR N,					
MLR	A 147, 148)		MLRA 13	6)							
Sandy C	Gleyed Matrix (S4)		Umbric Surfa	ice (F13) (MLRA 13	6, 122)	³ Inc	licators of h	ydrophytic veg	etation and	
Sandy F	Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 14					, , , , , , , , , , , , , , , , , , , ,					
Stripped	l Matrix (S6)		Red Parent I	Material (F	21) (MLR	A 127, 147	') un	less disturb	ed or problema	atic.	
	Layer (if observed):										
Type: <u>ro</u>	CK										
Depth (in	ches): <u>10</u>						Hydric Soil	Present?	Yes	No 🖌	_
Remarks:							1				



Photo 1 Seep data point PAUA050 facing east