Appendix C-5 Wetland Data Forms – Bucks County

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region

Project/Site: PennEast Pipeline Project	City/County:	Bucks	Sampling Date: 07-Nov-14		
Applicant/Owner: PennEast Pipeline Company, LLC	State: PA	Sampling Point:	110714_JC_001_PF0		
Investigator(s): JC, DB	Section, Towr	ship, Range: S T	nam R		
Landform (hillslope, terrace, etc.): Pothole	Local relief (cor	concernation convex, none):	ave Slope: <u>0.2%</u> / <u>0.1</u> °		
Subregion (LRR or MLRA): MLRA 148 in LRR S Lat.:	40.584128	Long.:75.1967	25 Datum: NAD83		
Soil Map Unit Name: Pr; Pits, quarry		NWI classification	: <u>N/A</u>		
Are climatic/hydrologic conditions on the site typical for this time of y	ear?Yes 🖲	No \bigcirc (If no, explain in Re	marks.)		
Are Vegetation 🗌 , Soil 🗹 , or Hydrology 🗌 significant	ly disturbed?	Are "Normal Circumstance	es" present? Yes 💿 No 🔾		
Are Vegetation, Soil, or Hydrology naturally p	problematic?	(If needed, explain any an	swers 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: PFO wetland adjacent to soybean	field; wetland	l collects runoff from field		

Hydrology

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one	required; ch	neck 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 along 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 Soils (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 Drecent? Ves ()	No 🗩	Denth (inches)	
		Deptil (menes):	
Water Table Present? Yes O	No 🔍	Depth (inches):	
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes	No 🔍	Depth (inches): Wetland Hyd	Irology Present? Yes No
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No () No () Ige, monitori	Depth (inches): Wetland Hyd Depth (inches): ng well, aerial photos, previous inspections), if avai	Irology Present? Yes • No O
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No No Ige, monitori	Depth (inches): Wetland Hyd Depth (inches): ng well, aerial photos, previous inspections), if avai	Irology Present? Yes No ilable:
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No () No () Ige, monitori	Depth (inches): Wetland Hyd Depth (inches): ng well, aerial photos, previous inspections), if avai	Irology Present? Yes No ilable:
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No () No () Ige, monitori	Depth (inches): Wetland Hyd Depth (inches): ng well, aerial photos, previous inspections), if ava	Irology Present? Yes • No O
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No () No () Ige, monitori	Depth (inches): Wetland Hyd Depth (inches): ng well, aerial photos, previous inspections), if ava	Irology Present? Yes • No O
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No () No () Ige, monitori	Depth (inches): Wetland Hyd Depth (inches): ng well, aerial photos, previous inspections), if ava	Irology Present? Yes • No O ilable:
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No No Ige, monitori	Depth (inches): Wetland Hyd Depth (inches): ng well, aerial photos, previous inspections), if ava	Irology Present? Yes • No O ilable:
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No No Ige, monitori	Depth (inches): Depth (inches): Mg well, aerial photos, previous inspections), if ava	Irology Present? Yes • No O
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No (©) No (©) Ige, monitori	Depth (inches): Depth (inches): Mg well, aerial photos, previous inspections), if ava	Irology Present? Yes • No O
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No (©) No (©) Ige, monitori	Depth (inches): Depth (inches): Metland Hyc ng well, aerial photos, previous inspections), if ava	Irology Present? Yes No ilable:
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No (©) No (©) Ige, monitori	Depth (inches): Depth (inches): Metland Hyc ng well, aerial photos, previous inspections), if ava	Irology Present? Yes No ilable:
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Yes Describe Recorded Data (stream gau	No (©) No (©) Ige, monitori	Depth (inches): Wetland Hyc Depth (inches): ng well, aerial photos, previous inspections), if ava	Irology Present? Yes No ilable:

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

		Dominant	Sam	pling Point: <u>110714 JC 001 PFO</u>
Tree Stratum (Plot size: <u>30 ft. Radius</u>)	Absolute % Cover	Rel.Strat.	Indicator Status	Dominance Test worksheet:
1 Acer saccharinum	50	90.9%	FACW	Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
Platanus occidentalis	5	9.1%	FACW	
3	0	0.0%		Total Number of Dominant Species Across All Strata: 2 (B)
Δ	0	0.0%		
5	0	0.0%		Percent of dominant Species
6	0	0.0%		That Are OBL, FACW, or FAC:(A/B)
7	0	0.0%		Prevalence Index worksheet:
0	0	0.0%		Total % Cover of: Multiply by:
0	55	= Total Cover		$0 \text{Bi species} \qquad 15 \qquad \text{x 1} = 15$
Sapling-Sapling/Shrub Stratum (Plot size: 15 ft. Radius)				$\frac{1}{10} \times 1 = \frac{1}{10}$
1	0	0.0%		$\begin{array}{c} racw species \underline{} $
2	0	0.0%		FAC species $\underline{0}$ x 3 = $\underline{0}$
3	0	0.0%		FACU species $0 \times 4 = 0$
4.	0	0.0%		UPL species $\begin{array}{c} 0 \\ \hline \end{array}$ x 5 = $\begin{array}{c} 0 \\ \hline \end{array}$
5	0	0.0%		Column Totals: (A) (B)
6	0	0.0%		Prevalence Index = $B/A = 1.786$
7	0	0.0%		
0	0	0.0%		Hydrophytic Vegetation Indicators:
0	0			Rapid Test for Hydrophytic Vegetation
9				✓ Dominance Test is > 50%
10		0.0%		✓ Prevalence Index is \leq 3.0 ¹
Shrub Stratum (Plot size: <u>15 ft. Radius</u>)		= Total Cover	•	Morphological Adaptations ¹ (Provide supporting
1	0	0.0%		data in Remarks or on a separate sheet)
2	0			Problematic Hydrophytic Vegetation ⁺ (Explain)
3	0	0.0%		¹ Indicators of hydric soil and wetland hydrology must
4	0	0.0%		be present, unless disturbed or problematic.
5	0	0.0%		Definition of Vegetation Strata:
6	0	0.0%		Four Vegetation Strata:
7	0	0.0%		Tree stratum – Consists of woody plants, excluding vines, 3
User Charter (Plot size: 5 ft Radius)	0 =	= Total Cover		regardless of height.
A Demission hudronican	15	100.0%		Sapling/shrub stratum – Consists of woody plants, excluding
			OBL	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2	0			plants, regardless of size, and all other plants less than 3.28
3	0			ft tall. Woody vines – Consists of all woody vines greater than 3 28
4	0			ft in height.
5	0			
6	0			Five Vegetation Strata:
7	0			Tree - Woody plants, excluding woody vines, approximately
8			·	20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH)
9	0	□		Sapling stratum – Consists of woody plants, excluding
10	0	0.0%		woody vines, approximately 20 ft (6 m) or more in height and
11	0	0.0%		less than 3 in. (7.6 cm) DBH.
12	0	0.0%		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size: 30 ft. Radius)	15 =	= Total Cover		Herb stratum – Consists of all herbaceous (non-woody)
1	0	0.0%		plants, including herbaceous vines, regardless of size, and
2	0	0.0%	-	woody species, except woody vines, less than approximately 3 ft (1 m) in height.
3	 0	0.0%	·	Woody vines - Consists of all woody vines regardless of
J	0	0.070		height.
4				
	0	LU		Undrankutia
5		_		нуагорпусс
5 6	0	0.0%		Vegetation Present? Yes No

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

ampling Point:	110714	JC	001	PFO
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Soil	Soil Sampling Point: 110714_JC_001_PFO								
Profile Desc	ription: (Describe to	the depth	needed to documer	t the indi	cator or co	nfirm the	absence of indicators.)		
Depth	Matrix		Re	dox Featu	ires				
(inches)	Color (moist)	%	Color (moist)	%	Tvpe	Loc ²	Texture	Remarks	
0-14	10YR 5/2	80	7.5YR 4/6	20	C	Μ	Sandy Loam		
							_		
				_	-				
				_					
¹ Type: C=Cor	ncentration. D=Depletion	on. RM=Red	uced Matrix, CS=Cove	red or Coat	ed Sand Gra	ains ² Loca	ation: PL=Pore Lining. M=N	<i>N</i> atrix	
Hydric Soil	Indicators:						Indicators for Proble	ematic Hydric Soils ³ :	
Histosol	(A1)		Dark Surface	(S7)					
Histic Epi	ipedon (A2)		Polyvalue Belo	w Surface	(S8) (MLRA	147,148)		(WILRA 147)	
Black His	tic (A3)		Thin Dark Sur	face (S9) (M	VLRA 147, 1	48)	Coast Prairie Redo (MLRA 147.148)	ox (A16)	
Hydroger	n Sulfide (A4)		Loamy Gleyed	Matrix (F2)		Piedmont Floodpl	ain Soils (F19)	
Stratified	Layers (A5)		Depleted Matr	ix (F3)			(MLRA 136, 147)		
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	urface (F6)			Very Shallow Darl	< Surface (TF12)	
Depleted	Below Dark Surface (A	(11)	Depleted Dark	Surface (F	7)		Other (Explain in	Remarks)	
Thick Da	rk Surface (A12)		Redox Depres	sions (F8)					
Sandy Mi	uck Mineral (S1) (LRR I	Ν,	Iron-Mangane MI RA 136)	se Masses	(F12) (LRR I	Ν,			
	MLRA 147, 148) MLRA 130)					2)			
Sandy G	eyed Matrix (S4)			dalain Soil	c (E10) (MI [2) DA 140)	³ Indicators of	nydrophytic vegetation and	
Strippod	200X(55)					(A 140)	wetland hyd	rology must be present,	
				aterial (F21) (IVILRA 12.	7, 147)		furbed of problematic.	
Restrictive L	ayer (if observed):								
Туре:									
Depth (ind	ches):						Hydric Soil Present?	Yes \bullet No \bigcirc	
Remarks:									
Wetland soils	s get sand and runof	f from adj	acent land.						
		-							

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region

Project/Site: PennEast Pipeline Project	City/County: Bucks	Sampling Date: 07-Nov-14
Applicant/Owner: PennEast Pipeline Company, LLC	State: PA Sampling Point:	110714_JC_001_UPL
Investigator(s): JAC, DB	Section, Township, Range: S T Durham	ו R
Landform (hillslope, terrace, etc.): Toeslope	Local relief (concave, convex, none): <u>convex</u>	Slope: <u>20.0%</u> / <u>11.3</u> °
Subregion (LRR or MLRA): MLRA 148 in LRR S Lat.:	40.58420 Long.: -75.19652	Datum: NAD83
Soil Map Unit Name: Pr; Pits, quarry	NWI classification:	N/A
Are climatic/hydrologic conditions on the site typical for this time of ye	ear? Yes $ullet$ No $igodot$ (If no, explain in Remain	rks.)
Are Vegetation 🗹 , Soil 🗹 , or Hydrology 🗌 significantl	y disturbed? Are "Normal Circumstances"	present? Yes 🔍 No 🔾
Are Vegetation 🗌 , Soil 🗌 , or Hydrology 🗌 naturally p	roblematic? (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 O Yes O Yes O	No • No • No •	Is the Sampled Area within a Wetland?	Yes \bigcirc No \textcircled{ullet}
Remarks:				
Adjacent to soybean field.				

Hydrology

Wetland Hydrology Indicate	ors:			Secondary Indicators (minimum of two required)
Primary Indicators (minimu	um of one	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 along 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 Soils (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 Aeria	al Imagery	(B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)				FAC-neutral Test (D5)
Field Observations:	0	0		
Surface Water Present?	Yes \bigcirc	No 🖲	Depth (inches):	
Water Table Present?	$_{ m Yes}$ \bigcirc	No 🖲	Depth (inches):	
Water Table Present? Saturation Present? (includes capillary fringe)	Yes ○ Yes ○	No 💿 No 💿	Depth (inches): Wetland Depth (inches):	d Hydrology Present? Yes \bigcirc No $oldsymbol{igodol}$
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st	Yes O Yes O	No No ge, monito	Depth (inches): Wetland Depth (inches): ring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No O
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st	Yes Yes rream gauç	No No ge, monito	Depth (inches): Wetland Depth (inches): Iring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No O
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st Remarks:	Yes O Yes O rream gauç	No 💿 No 💿 ge, monito	Depth (inches): Wetland Depth (inches): iring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No O
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st Remarks:	Yes Yes rream gaug	No 🖲 No 🖲 ge, monito	Depth (inches): Wetland Depth (inches): vring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No 🖲 f available:
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st Remarks:	Yes O Yes O ream gauç	No 💿 No 💿 ge, monito	Depth (inches): Wetlanc Depth (inches): ring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No O
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st Remarks:	Yes O Yes O ream gauç	No 💿 No 💿 ge, monito	Depth (inches): Wetlanc Depth (inches): pring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No O
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st Remarks:	Yes O Yes O rream gaug	No 💿 No 💿 ge, monito	Depth (inches): Wetlanc Depth (inches): pring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No O
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st Remarks:	Yes O Yes O ream gaug	No 💿 No 💿 ge, monito	Depth (inches): Wetlanc Depth (inches): pring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No O
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st Remarks:	Yes O Yes O ream gaug	No 💿 No 💿 ge, monito	Depth (inches): Wetlanc Depth (inches): pring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No O
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st Remarks:	Yes O Yes O ream gauç	No 💿 No 💽 ge, monito	Depth (inches): Wetlanc Depth (inches): pring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No O
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st Remarks:	Yes O Yes O ream gaug	No 💿 No 💽 ge, monito	Depth (inches): Wetlanc Depth (inches): wring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No O
Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st Remarks:	Yes Yes ream gaug	No 💿 No 💿 ge, monito	Depth (inches): Wetlanc Depth (inches): wring well, aerial photos, previous inspections), if	d Hydrology Present? Yes O No O

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

		Dominant	Sam	pling Point: <u>110714 JC 001 UPL</u>
Tree Stratum (Plot size: <u>30 ft. Radius</u>)	Absolute % Cover	Rel.Strat.	Indicator Status	Dominance Test worksheet:
1 Acer saccharinum	5	✓ 100.0%	FACW	Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
2	0	0.0%		
2	0	0.0%		Total Number of Dominant
3				Species Across All Strata: (B)
4		0.0%		Percent of dominant Species
5				That Are OBL, FACW, or FAC:(A/B)
7		0.0%		Provalance Index workshoet
7 0				Total % Cover of Multiply by
δ				
Sapling-Sapling/Shrub Stratum (Plot size: 15 ft. Radius)			$\frac{0}{10} \times 1 = 0$
1 Acer negundo	5	✔ 100.0%	FAC	FACW species $5 \times 2 = 10$
2	0	0.0%		FAC species $5 \times 3 = 15$
3	0	0.0%		FACU speci es 37 x 4 = 148
Δ	0	0.0%		UPL species $0 \times 5 = 0$
5	0	0.0%		Column Totals:47 (A)173 (B)
6	0	0.0%		Provalance Index = P/A = 2.691
7		0.0%		1100000000000000000000000000000000000
0		0.0%		Hydrophytic Vegetation Indicators:
8				Rapid Test for Hydrophytic Vegetation
9				Dominance Test is > 50%
10		0.0%	<u>.</u>	Prevalence Index is \leq 3.0 ¹
<u>Shrub Stratum</u> (Plot size: <u>15 ft. Radius</u>)		= Total Cover		Morphological Adaptations ¹ (Provide supporting
1	0	0.0%		data in Remarks or on a separate sheet)
2	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3	0	0.0%		¹ Indicators of hydric soil and wetland hydrology must
4	0	0.0%		be present, unless disturbed or problematic.
5	0	0.0%		Definition of Vegetation Strata:
6	0	0.0%		Four Vegetation Strata:
7	0	0.0%		Tree stratum – Consists of woody plants, excluding vines, 3
Harb Stratum (Plot size: 5 ft Badius)	0	= Total Cover		regardless of height.
A Grandinizian	20	✓ E7 10/	EACU	Sapling/shrub stratum – Consists of woody plants, excluding
	15	 ✓ 37.176 ✓ 42.0% 	EACU	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
		42.9%	FACU	plants, regardless of size, and all other plants less than 3.28
3				ft tall. Woody vines – Consists of all woody vines greater than 3 28
4				ft in height.
5				
6				Five Vegetation Strata:
/			<u>.</u>	Tree - Woody plants, excluding woody vines, approximately
8				20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
9	0	0.0%		Sapling stratum – Consists of woody plants, excluding
10	0		<u> </u>	woody vines, approximately 20 ft (6 m) or more in height and
11	0	0.0%		less than 3 in. (7.6 cm) DBH.
12	0	0.0%		vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size: <u>30 ft. Radius</u>)	35	= Total Cover		Herb stratum – Consists of all herbaceous (non-woody)
1. Vitis aestivalis	2	100.0%	FACU	plants, including herbaceous vines, regardless of size, and
2	0	0.0%		3 ft (1 m) in height.
3.	0	0.0%		Woody vines – Consists of all woody vines, regardless of
4	0	0.0%		height.
5	0	0.0%		
6		0.0%		Hydrophytic Vegetation
0		- Total Cover		Present? Yes No 🔍
				1
Remarks: (Include photo numbers here or on a separate sh	eet.)			

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Sampling Point: 110714_JC_001_UPL

Profile Desc	ription: (Des	cribe to	the depth r	needed to docum	ent the indi	cator or co	onfirm the	absence of indicators	s.)			
Depth		Matrix			Redox Featu	ires						
(inches)	Color (n	noist)		Color (moist)) %	Tvpe ¹	Loc ²	Texture	Ren	narks		
0-14	7.5YR	3/1	100					Loam				
14-16	10YR	4/4	100		<u></u>			Loamy Sand	Gravelly soil			
			·									
			·									
¹ Type: C=Con	icentration. D=	Depletio	n. RM=Redu	ced Matrix, CS=Cc	vered or Coat	ted Sand Gr	ains ² Loca	ation: PL=Pore Lining. I	M=Matrix	2		
Histosol (A1)			Dark Surfac	re (S7)			Indicators for Pro	oblematic Hydri	c Soils ³ :		
	pedon (A2)				elow Surface	(S8) (MLRA	147,148)	2 cm Muck (A	10) (MLRA 147)			
Black His	tic (A3)			Thin Dark S	Surface (S9) (I	MLRA 147,	148)	Coast Prairie F	Redox (A16)			
Hydroger	n Sulfide (A4) Layers (A5)			Loamy Gley	ed Matrix (F2 atrix (F3))		Piedmont Floo	odplain Soils (F19 47))		
2 cm Muc	:k (A10) (LRR	N)		Redox Dark	Surface (F6)			Very Shallow	Dark Surface (TF	12)		
Depleted	Below Dark S	urface (A	11)	Depleted D	ark Surface (F	7)		Other (Explain	n in Remarks)	/		
Thick Dar	rk Surface (A1	2)		Redox Depi	ressions (F8)				,			
Sandy Mu MLRA 14	Sandy Muck Mineral (S1) (LRR N, Iron-Man MLRA 147, 148)				nese Masses	(F12) (LRR	Ν,					
Sandy Gl	eyed Matrix (S	4)		Umbric Sur	face (F13) (M	LRA 136, 1	22)	³ Indiastors of hydrophytic variation and				
Sandy Re	edox (S5)			Piedmont F	loodplain Soil	s (F19) (ML	.RA 148)	wetland	hydrology must k	be present,		
Stripped	Matrix (S6)			Red Parent	Material (F21) (MLRA 12	27, 147)	unles	s disturbed or pro	blematic.		
Restrictive L	ayer (if obse	erved):										
Depth (inc	hes):							Hydric Soil Present	:? Yes 🔿	No 🖲		
Remarks:												
High amount	of gravel th	roughou	it soil profil	9.								