WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Atlantic Coast Pipeline	City/County: Ha	alifax	_ Sampling Date: 12/9/2015					
Applicant/Owner: Dominion	State: NC							
Investigator(s): SH, AS Section, Township, Range:								
Landform (hillslope, terrace, etc.): Hillslope								
Subregion (LRR or MLRA):								
			ication:					
Are climatic / hydrologic conditions on the site typical for								
Are Vegetation, Soil, or Hydrology		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 map showing sampling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present? Yes <u>✓</u>	Hydrophytic Vegetation Present? Yes ✓ No Is the Sampled Area							
Hydric Soil Present? Yes	No V	ampled Area						
Wetland Hydrology Present? Yes		Wetland? Yes	No					
Remarks:								
Seep point. Does not meet hydric soils requirement.								
HYDROLOGY								
Wetland Hydrology Indicators:		Secondary India	cators (minimum of two required)					
Primary Indicators (minimum of one is required; check	all that apply)	Surface So	Surface Soil Cracks (B6)					
Surface Water (A1) Aqua	Sparsely Ve	Sparsely Vegetated Concave Surface (B8)						
<u>✓</u> High Water Table (A2) Marl	Deposits (B15) (LRR U)	Drainage P	Drainage Patterns (B10) Moss Trim Lines (B16)					
	<u>✓</u> Saturation (A3) Hydrogen Sulfide Odor (C1)							
·	ized Rhizospheres along Living		Dry-Season Water Table (C2)					
Sediment Deposits (B2) Pres		Crayfish Burrows (C8)						
	ent Iron Reduction in Tilled Soil		Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4) Thin		c Position (D2)						
Iron Deposits (B5) Othe		Shallow Aquitard (D3) ✓ FAC-Neutral Test (D5)						
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)		Sphagnum moss (D8) (LRR T, U)						
Field Observations:		Opilagilalii	111000 (20) (Ettit 1, 0)					
	Depth (inches):							
	10							
Saturation Present? Yes V No	Depth (inches):	Wetland Hydrology Prese	etland Hydrology Present? Yes No					
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Pomorko:								
Remarks:								

	Absolute	Dominant	Indicator	Dominance Test worksheet:			
<u>Tree Stratum</u> (Plot size:)		Species?		Number of Dominant Species			
1. Ulmus americana	20	Yes	FAC	That Are OBL, FACW, or FAC:6 (A)			
2.							
				Total Number of Dominant Species Across All Strata: 6 (B)			
3				Species Across All Strata: (B)			
4				Percent of Dominant Species			
5				That Are OBL, FACW, or FAC:100 (A/B)			
6							
7				Prevalence Index worksheet:			
8				Total % Cover of: Multiply by:			
s	20	= Total Cov		OBL species0 x 1 =0			
50% of total account 10		= Total Covel		FACW species20			
50% of total cover:	20% of total cover:4			FAC species 75 x 3 = 225			
Sapling/Shrub Stratum (Plot size:)		.,					
1. Ligustrum sinense	20	Yes	FAC				
2. Liquidambar styraciflua	10	Yes	FAC	UPL species x 5 =			
3				Column Totals: (A) (B)			
				2.70			
4				Prevalence Index = B/A =2.78			
5				Hydrophytic Vegetation Indicators:			
6				1 - Rapid Test for Hydrophytic Vegetation			
7				2 - Dominance Test is >50%			
8				3 - Prevalence Index is ≤3.0 ¹			
	30	= Total Cov	er	Problematic Hydrophytic Vegetation¹ (Explain)			
50% of total cover: 15	20% of	total cover:	6	1 Toblematic Trydrophytic Vegetation (Explain)			
	2070 01	10101 00101.					
Herb Stratum (Plot size:) Leersia virginica	20	Yes	FACW	¹Indicators of hydric soil and wetland hydrology must			
1				be present, unless disturbed or problematic.			
2. Smilax rotundifolia	15	Yes	FAC	Definitions of Four Vegetation Strata:			
3. Ligustrum sinense	10	Yes	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or			
4				more in diameter at breast height (DBH), regardless of			
5.				height.			
6.				Sapling/Shrub – Woody plants, excluding vines, less 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				height.			
12.							
	45	= Total Cov					
50% of total cover: 22.5			•				
	20% of	total cover:					
Woody Vine Stratum (Plot size:)							
1							
2							
3							
4.							
5	0			Hydrophytic			
0		= Total Cov	•	Vegetation Present? Yes No			
50% of total cover:0	20% of	total cover:	0	1103cm: 103 NO			
Remarks: (If observed, list morphological adaptations below	v).						

SOIL Sampling Point: phlf001

Profile Desc	cription: (Describe t	o the depth	needed to docur	ment the	indicator	or confirm	the absence of in	dicators.)	
Depth	Matrix			x Feature	1				
(inches) 0-10	Color (moist) 10YR 3/2	100	Color (moist)	%	Type'	Loc ²	Texture SL	Remarks	
10-11	10YR 6/2	100					LS		
11-20	10YR 6/8	100				-	cos		
				_					
				_					
¹Type: C=C	oncentration, D=Depl	etion, RM=Re	educed Matrix, M	S=Masked	d Sand Gr	ains.	² Location: PL=F	Pore Lining, M=Matrix.	
Hydric Soil	Indicators: (Applica	able to all LR	Rs, unless othe	rwise not	ed.)		Indicators for P	roblematic Hydric Soils ³ :	
Histosol	, ,		Polyvalue Be						
	pipedon (A2) istic (A3)		Thin Dark Su Loamy Muck					(A10) (LRR S) ertic (F18) (outside MLRA	150A.B)
	en Sulfide (A4)		Loamy Gleye			. •,		oodplain Soils (F19) (LRR	-
	d Layers (A5)		Depleted Ma					Bright Loamy Soils (F20)	
_	Bodies (A6) (LRR P,		Redox Dark				(MLRA 15		
	ucky Mineral (A7) (LR esence (A8) (LRR U)		Depleted Da Redox Depre		, ,			Material (TF2) w Dark Surface (TF12)	
	uck (A9) (LRR P, T)	,	Marl (F10) (L		-,			ain in Remarks)	
	d Below Dark Surface	e (A11)	Depleted Oc	. ,	-	•	3		
	ark Surface (A12) rairie Redox (A16) (N	II RA 150A)	Iron-Mangan Umbric Surfa					of hydrophytic vegetation anydrology must be present,	
	/lucky Mineral (S1) (L		Delta Ochric			, 0,		sturbed or problematic.	
	Gleyed Matrix (S4)		Reduced Ve						
	Redox (S5)		Piedmont Flo						
	l Matrix (S6) rface (S7) (LRR P, S	. T. U)	Anomaious E	Bright Loa	my Solis (F20) (NILK)	A 149A, 153C, 153I))	
	Layer (if observed):	, ., .,							
Type:			<u> </u>						
Depth (in	ches):		_				Hydric Soil Pres	ent? Yes No _	
Remarks:									



Photo 1 Seep data point phlf001 facing west



Seep data point PJOE001 facing south