

Non-water point NOLEA001 facing south



Non-water data point NOLEC001 facing east

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Atlantic Coast Pipeline	City/0	County: Upshur County	Sampling Date: 8/20/2015			
Applicant/Owner: DOMINION		Stat	e: WV Sampling Point: noupc001			
		on, Township, Range: No PLSS				
Landform (hillslope, terrace, etc.): Slight Depre	ssion Local re	lief (concave, convex, none): CC	oncave Slope (%): ²			
Subregion (LRR or MLRA): N						
Soil Map Unit Name: Gilpin channery silt loam,	25 to 35 percent slopes	N	IWI classification: None			
Are climatic / hydrologic conditions on the site t	ypical for this time of year?	/es No (If no,	explain in Remarks.)			
Are Vegetation, Soil, or Hydrold	ogy significantly distu	rbed? Are "Normal Circu	mstances" present? Yes No			
Are Vegetation, Soil, or Hydrold						
SUMMARY OF FINDINGS – Attach						
Hydrophytic Vegetation Present? Yes	No					
	No	Is the Sampled Area	Yes No			
	No ✓	within a Wetland?	res No			
Remarks: Slight depression within a field.						
HYDROLOGY						
Wetland Hydrology Indicators:		Seco	ndary Indicators (minimum of two required)			
Primary Indicators (minimum of one is require	d: check all that apply)		Surface Soil Cracks (B6)			
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)						
Saturation (A3)		Drainage Patterns (B10) ots (C3) Moss Trim Lines (B16)				
Water Marks (B1)		Dry-Season Water Table (C2)				
Sediment Deposits (B2)						
Drift Deposits (B3)		Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)		Stunted or Stressed Plants (D1)				
Iron Deposits (B5)	0	Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)		s	Shallow Aquitard (D3)			
Water-Stained Leaves (B9)		N	licrotopographic Relief (D4)			
Aquatic Fauna (B13)		F	AC-Neutral Test (D5)			
Field Observations:						
	o Depth (inches):					
Water Table Present? Yes No	o Depth (inches):					
Saturation Present? Yes No (includes capillary fringe)	Wetland Hydrol	Wetland Hydrology Present? Yes No				
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, pre	evious inspections), if available:				
Remarks:						
No hydrology indicators present						
l l l l l l l l l l l l l l l l l l l						

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

/EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: noupc001
	Absolute	Dominant Ir		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:)		Species?	<u>Status</u>	Number of Dominant Species That Are ORL FACW or FAC: 0 (A)
1				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				Prevalence Index worksheet:
7	0	Tatal Cause		Total % Cover of: Multiply by:
50% of total cover:0		= Total Cover		OBL species0 x 1 =0
Sapling/Shrub Stratum (Plot size: 15)	2070 01	total 00vor		FACW species0 x 2 =0
1				FAC species0 x 3 =0
2				FACU species90 x 4 =360
_				UPL species10 x 5 =50
3				Column Totals: (A) (B)
4 5.				
5 6				Prevalence Index = B/A =4.1
				Hydrophytic Vegetation Indicators:
7 8				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
J	0	= Total Cover		3 - Prevalence Index is ≤3.0¹
50% of total cover: 0				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5)				data in Remarks or on a separate sheet)
1. Trifolium pratense	40	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Ambrosia artemisiifolia	35	Yes	FACU	
3. Daucus carota	10	No	UPL	¹ Indicators of hydric soil and wetland hydrology must
4. Erigeron annuus	10	No	FACU	be present, unless disturbed or problematic.
5. Asclepias syriaca	5	No	FACU	Definitions of Four Vegetation Strata:
6.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of 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.				Harb All barbassas (non woods) plants regardless
	100	= Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover:50		total cover:	20	w 1
Woody Vine Stratum (Plot size:)				Woody vine – All woody vines greater than 3.28 ft in height.
1				····g···
2				
3				
4				Hydrophytic
5				Vegetation
	0	= Total Cover		Present? Yes No
50% of total cover:0	20% of	total cover:	0	
Remarks: (Include photo numbers here or on a separate s	heet.)			

Sampling Point: noupc001

		o the dept				or confirm	the ab	bsence of indicators.)
Depth	Matrix	0/		x Feature		Loc ²	T	dura Deservice
(inches)	Color (moist) 10 YR 4/3	<u>%</u>	Color (moist)	%	Type ¹	LOC		kture Remarks SL
0-4	10 TR 4/3	100						DL
	·							
					-		-	
Type: C=C	Concentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked	Sand Gra	ains.	² Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:							Indicators for Problematic Hydric Soils ³ :
Histoso	I (A1)		Dark Surface	e (S7)				2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ce (S8) (N	ILRA 147.	148)	Coast Prairie Redox (A16)
	listic (A3)		Thin Dark Su				,	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			,,		Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mar)			(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark		. 6)			Very Shallow Dark Surface (TF12)
	ed Below Dark Surface	(Δ11)	Depleted Dar					Other (Explain in Remarks)
	ark Surface (A12)	(// 11)	Redox Depre					Other (Explain in Remarks)
		DD N				DD N		
	Mucky Mineral (S1) (L	KK N,	Iron-Mangan		es (F12) (LKK N,		
	A 147, 148)		MLRA 13		(NAL D.A. 40	0 400\		31
	Gleyed Matrix (S4)		Umbric Surfa					³ Indicators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					wetland hydrology must be present,
	d Matrix (S6)		Red Parent N	Material (F	21) (MLR	A 127, 147	<u>')</u>	unless disturbed or problematic.
Restrictive	Layer (if observed):							
Type:	ompacted soil							
Depth (in	nches): <u>4</u>						Hydr	ric Soil Present? Yes No
Remarks:							1 -	
lo hydric soi	il nrecent							
io flydric soi	ii present							



Photo 1 Non-water point noupc001 facing south



Photo 2 Non-water point noupc001 facing west

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Atlantic Coast Pipeline		City/C	Sampling Date: 8/20/2015			
Applicant/Owner: DOMINION				State: WV	Sampling Point: noupc002	
Investigator(s): Team C Section, Township, Range: No PLSS in this area						
Landform (hillslope, terrace, etc.): Slight	Depression	Local reli	ef (concave, convex, non	ne): concave	Slope (%): ²	
Subregion (LRR or MLRA): N	Lat: 38.99	9039535	Long: -80.2	28904185	Datum: WGS 1984	
Subregion (LRR or MLRA): N Soil Map Unit Name: Gilpin-Upshur com	plex, 25 to 35 percer	nt slopes, severe	ely eroded	NWI classific	ation: None	
Are climatic / hydrologic conditions on th	e site typical for this	time of year? Y	es <u>/</u> No (If no, explain in R	emarks.)	
Are Vegetation, Soil, or I	Hydrology sig	gnificantly disturl	bed? Are "Normal	Circumstances" p	resent? Yes V No	
Are Vegetation, Soil, or H						
SUMMARY OF FINDINGS – At	-					
Hydrophytic Vegetation Present?	Yes No	v				
Hydric Soil Present?	Yes No		Is the Sampled Area	Vaa	No	
Wetland Hydrology Present?	Yes V No		within a Wetland?	res	NO	
Remarks:						
Slight depression within a field.						
HYDROLOGY						
Wetland Hydrology Indicators:				Secondary Indica	tors (minimum of two required)	
Primary Indicators (minimum of one is	required; check all th	at apply)		Surface Soil	Cracks (B6)	
Surface Water (A1)	B14)	Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)		ogen Sulfide Odo		Drainage Pat		
Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1)	I Iron (C4)	Dry-Season Water Table (C2)				
Sediment Deposits (B2)	n in Tilled Soils (C6)	ls (C6) Crayfish Burrows (C8)				
Drift Deposits (B3)	27)	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 Image	ry (B7)			Shallow Aqui	tard (D3)	
Water-Stained Leaves (B9)				Microtopogra	phic Relief (D4)	
Aquatic Fauna (B13)				FAC-Neutral	Test (D5)	
Field Observations:						
	No 🖍 Dept					
Water Table Present? Yes	No 🖍 Dept	th (inches):				
	No <u> </u>	th (inches):	Wetland H	lydrology Presen	t? Yes <u>/</u> No	
(includes capillary fringe) Describe Recorded Data (stream gaug	e. monitoring well. a	erial photos, pre	vious inspections), if avai	ilable:		
December Received Data (ethodin gadg	o, monitoring won, at	onai priotos, pro	viodo mopositorio, n aval	ilabio.		
Remarks:						
patchy algal crust present within a radio	us of five feet around	d data point				

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

/EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: noupc002
22		Dominant Ir		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:)		Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC:0 (A)
2		·		Total Number of Dominant
3		·		Species Across All Strata:3 (B)
4		·		Percent of Dominant Species
5		·		That Are OBL, FACW, or FAC:0 (A/B)
6				Prevalence Index worksheet:
7	0			Total % Cover of: Multiply by:
50% of total cover: 0		= Total Cover	r 0	OBL species $\frac{3}{x}$ $x = \frac{3}{x}$
15	20% 01	total cover:_		FACW species 0 x 2 = 0
Sapling/Shrub Stratum (Plot size: 13)				FAC species $\begin{array}{ccc} 0 & x & 3 = \\ \end{array}$
1				FACU species 120 x 4 = 480
2				UPL species $0 \times 5 = 0$
3				Column Totals: 123 (A) 483 (B)
4		· ———		(A)(B)
5		· ———		Prevalence Index = B/A = 3.92
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9	0			3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 0		= Total Cove	r O	4 - Morphological Adaptations ¹ (Provide supporting
E	20% 01	total cover:_		data in Remarks or on a separate sheet)
Herb Stratum (Plot size:) Ambrosia artemisiifolia	35	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Trifolium pratense	30	Yes	FACU	
3. Poa pratensis	25	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must
4 Phleum pratense	20	No	FACU	be present, unless disturbed or problematic.
5. Lotus corniculatus	10	No	FACU	Definitions of Four Vegetation Strata:
6. Eleocharis obtusa	3	No No	OBL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
<u> </u>			OBL	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	123			Herb – All herbaceous (non-woody) plants, regardless
50% of total cover:61.5		= Total Cover total cover:		of size, and woody plants less than 3.28 ft tall.
00	20% 01	total cover:	24.0	Woody vine – All woody vines greater than 3.28 ft in
(1.101.01201				height.
1		· <u></u>		
2		· <u></u>		
3		· <u></u>		
4		· <u></u>		Hydrophytic
5	0			Vegetation Present? Yes No
50% of total cover: 0		= Total Cover total cover:	^	100
		total cover		
Remarks: (Include photo numbers here or on a separate s	neet.)			

Sampling Point: noupc002

Profile Desc	cription: (Describe	to the depth	needed to document the indicator or	confirm t	the absence	of indicators.)
Depth	Matrix		Redox Features	. 2	_	
(inches) 0-4	Color (moist) 10 YR 4/3	100	Color (moist) % Type ¹	Loc ²	Texture SL	Remarks
	10 YR 4/3	100			SL	
		· -				
		· -				
		· -				
		· -				
¹Type: C=C	oncentration, D=Dep	letion RM=F		ns	 ² I ocation: PI	
Hydric Soil						ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface (S7)		2	cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (ML	RA 147, 1		oast Prairie Redox (A16)
	istic (A3)		Thin Dark Surface (S9) (MLRA 14)		, <u>—</u>	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		Pi	iedmont Floodplain Soils (F19)
Stratifie	d Layers (A5)		Depleted Matrix (F3)			(MLRA 136, 147)
2 cm Mu	uck (A10) (LRR N)		Redox Dark Surface (F6)		V	ery Shallow Dark Surface (TF12)
Deplete	d Below Dark Surface	e (A11)	Depleted Dark Surface (F7)		0	ther (Explain in Remarks)
	ark Surface (A12)		Redox Depressions (F8)			
	Mucky Mineral (S1) (L	.RR N,	Iron-Manganese Masses (F12) (LF	RR N,		
MLR	A 147, 148)		MLRA 136)			
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136,			cators of hydrophytic vegetation and
Sandy F	Redox (S5)		Piedmont Floodplain Soils (F19) (N	/ILRA 148) we	tland hydrology must be present,
	d Matrix (S6)		Red Parent Material (F21) (MLRA	127, 147)	unl	ess disturbed or problematic.
Restrictive	Layer (if observed):					
	ompacted soil		<u> </u>			,
Depth (in	ches): 4		_		Hydric Soil	Present? Yes No
Remarks:						
No hydric soi	I present					



Photo 1 Non-water data point noupc002 facing south



Photo 2 Non-water data point noupc002 facing west



Non-water point NOUPA001 facing east



Non-water point NOUPA002 facing northwest



Non-water point NOUPB101 facing north



Non-water point NOUPB001 facing south



Non-water point NOUPB002 facing west



Non-water point NOUPA003 facing northeast



Non-water data point NOUPB050 facing northeast



Non-water data point noupb052 facing west



Non-water point NOUPB102 facing east



Non-water data point NORAA400 facing southeast