Applicant/Owner: Postation Investigator(s): EST (P. Translation   Section	Innlicant/Owner Domin		City/0	County: Randolph	Sampling Date: 3/16/16
Investigator(s): EST (F. Translet)  Section, Township, Range: NA  Landform (hillslope, terrace, etc.): Aname  Local relief (concave, convex, none): Local relief (concave, convex, none)	ppinourino in	rion			State: WV Sampling Point: Wrap Coge.
Local relief (concave, convex, none):	nvestigator(s): EST (R	· Turnboull)	Secti		
Subregion (LRR or MLRA): LRR N Lat: 38.42561 Long: 30.15541 Datum: WGS Soil Map Unit Name: Marchest, mustimate and shale very lewbest No. (If no, explain in Remarks.)  Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No. (If no, explain in Remarks.)  Are Vegetation Soil or Hydrology indicators:  SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. (If needed, explain any answers in Remarks.)  Bydrophylic Vegetation Present? Yes No. Is the Sampled Area within a Wetland? Yes No. (If needed, explain any answers in Remarks.)  Hydrophylic Vegetation Present? Yes No. (If needed, explain any answers in Remarks.)  Bydrophylic Vegetation Present? Yes No. (If needed, explain any answers in Remarks.)  Bydrophylic Vegetation Present? Yes No. (If needed, explain any answers in Remarks.)  Bydrophylic Vegetation Present? Yes No. (If needed, explain any answers in Remarks.)  Bydrophylic Vegetation Present? Yes No. (If needed, explain any answers in Remarks.)  Bydrophylic Vegetation Present? Yes No. (If needed, explain any answers in Remarks.)  Bydrophylic Vegetation Present? Yes No. (If needed, explain any answers in Remarks.)  Bydrophylic Vegetation Present? Yes No. (If needed, explain any any any any any any any any any an	andform (hillslone terrace 6	etc) drainage	Local re	lief (concave, convex, not	ne): concave Slope (%): 7-500
Soil Map Unit Name:	Cubaccian (LDD as MLDA):	I R P N	at: 38 (250)	Lang:	10 15541 Datum: WG 5 84
Are Vegetation Soil or Hydrology significantly disturbed? Are Normal Circumstances' present? Yes No Are Vegetation Soil or Hydrology significantly disturbed? Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No within a Wetland? Yes No Wetland Hydrology Present? Yes No Surface Soil Cracks (B6)  Hydrophytic Vegetation Present? Yes No 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)  Vater 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) Stunded or Stunded Orded	subregion (LRR or MLRA):		at:	Long: _= c	PEA
Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, early Hydrophytic Vegetation Present? Yes No Welland Hydrology Present? Yes No Soil Is the Sampled Area within a Wetland? Yes No Soil Present? Yes Yes No Soil Present? Yes Yes No Soil Present? Yes Yes No Soil Present Soil Prese					
Are Vegetation					: CONTROL OF CONTROL
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc.  Hydrophylic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No No Within a Wetland? Yes No					
Hydrophytic Vegetation Present? Wetland Hydrology Present? Wetland Hydrology Present?  Wetland Hydrology Present?  Wetland Hydrology Indicators:  Strip Minc  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Hydrogen Sulfide Odor (C1)  Saturation (A3)  Water Marks (B1)  Secondary Indicators (minimum of two required)  Surface Soil Cracks (B6)  Sparsely Vegetated Concave Surface (B8  Hydrogen Sulfide Odor (C1)  Saturation (A3)  Water Marks (B1)  Presence of Reduced Inn (C4)  Drift Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  Field Observations:  Surface Water Present?  Yes No Depth (inches):   Wetland Hydrology Present? Yes No Depth (inches):   W	are Vegetation, Soil _	, or Hydrology	naturally problem	natic? (If needed, e	explain any answers in Remarks.)
Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Water Marks (B1) Sediment Deposits (B2) Drif Deposits (B3) Trin Muck Surface (C7) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Aqualtic Fauna (B13) Field Observations: Surface Water (Yes No Depth (inches):  Wetland Hydrology Present? Wetland Hydrology Present? Yes No Depth (inches):	SUMMARY OF FINDIN	IGS – Attach site	map showing sar	npling point location	ons, transects, important features, etc.
Remarks:    Strip Mine	Hydric Soil Present?	Yes	No		Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Water Marks (B1)  Presence of Reduced Iron (C4)  Drift Deposits (B2)  Algal Mat or Crust (B4)  Indudation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  Field Observations:  Surface Water (Pain in Researt?  Ves No Depth (inches):  Wetland Hydrology Present?  Ves No Depth (inches):  Wetland Hydrology Present?  Yes No Depth (inches):  Wetland Hydrology Present?  Wetland Hydrology Present?  Yes No Depth (inches):  Wetland Hydrology Present?		? Yes	No		
Wetland Hydrology Indicators:       Secondary Indicators (minimum of two requires)         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 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)         Inon Deposits (B5)       Geomorphic Position (D2)         Inundation Visible on Aerial Imagery (B7)       Shallow Aquitard (D3)         Water-Stained Leaves (B9)       Microtopographic Relief (D4)         Aquatic Fauna (B13)       Poepth (inches):         Field Observations:       Yes       No         Surface Water Present?       Yes       No         Depth (inches):       Wetland Hydrology Present?       Yes       No </th <th></th> <th></th> <th></th> <th></th> <th></th>					
Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  Field Observations:  Surface Water (A1)  True Aquatic Plants (B14)  Presente of Reduced Iron (C4)  Drainage Patterns (B16)  Drainage Patterns (B10)  Moss Trim Lines (B16)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  Microtopographic Relief (D4)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present?  Yes No Depth (inches): VA  Water Table Present? Yes No Depth (inches): VA  Saturation Present? Yes No Depth (inches): VA  Wetland Hydrology Present? Yes No	el, in anterior en manner (1, et al. c. c. c. 11 177)				Consider Indicator (minimum of two required)
Surface Water (A1)					
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Aquatic Fauna (B13)  Field Observations: Surface Water Present? Water Table (A2)  Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Stunded or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)  Field Observations: Surface Water Present? Yes No Depth (inches):  Ves No Depth (inches):  Wetland Hydrology Present? Yes No No Includes capillary fringe)		AND REPORTED TO THE PARTY OF TH			· · · · · · · · · · · · · · · · · · ·
Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Mater-Stained Leaves (B9)  Aquatic Fauna (B13)  Field Observations:  Surface Water Present?  Saturation (A3)  Oxidized Rhizospheres on Living Roots (C3)  Presence of Reduced Iron (C4)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Stunted or Stressed Plants (D1)  Geomorphic Position (D2)  Shallow Aquitard (D3)  Microtopographic Relief (D4)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present?  Yes No Depth (inches): V/A  Water Table Present?  Yes No Depth (inches): V/A  Wetland Hydrology Present? Yes No No (Inches): V/A (In					
Water Marks (B1)					
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) Geomorphic Position (D2) Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Saturation Present? Yes No Depth (inches): // A Ves // No Depth (inches): // A		10 H			Fr F. D. B.
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) Geomorphic Position (D2) Shallow Aquitard (D3) Shallow Aquitard (D3) Microtopographic Relief (D4) Shallow Aquitard (D5) Microtopographic Relief (D4) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Sturface Water Present? Yes No Depth (inches): // A Water Table Present? Yes No Depth (inches): // A Saturation Present? Yes // No Depth					·
Algal Mat or Crust (B4) Other (Explain in Remarks) Stunted or Stressed Plants (D1) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Staturation Present? Yes No Depth (inches): // A Saturation Present? Yes No Depth (inches): // Wetland Hydrology Present? Yes No // N					· 200~~ [10] : [10] [10] [10] [10] [10] [10] [10] [10]
Iron Deposits (B5) Geomorphic Position (D2) Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Aquatic Fauna (B13) FAC-Neutral Test (D5)  Field Observations:  Surface Water Present? Yes No Depth (inches): // A Water Table Present? Yes No Depth (inches): // A Saturation Present? Yes No Depth (inches): // Wetland Hydrology Present? Yes No Output (inches): // Wetland Hydrology Present? Yes No // No	(2) - 1, TO 프리 전 (2) 12 1 12 1 12 1 12 1 12 1 12 1 12 1	V 000			TO 2014년 - [1985년 : 3 시간인 (25.1 1985년 ) 12일 [11.2] [2014] [2015] [2014] [2014] [2014] [2014] [2014] [2014] [2014
	Iron Deposits (B5)				Geomorphic Position (D2)
Aquatic Fauna (B13) FAC-Neutral Test (D5)  Field Observations:  Surface Water Present? Yes No Depth (inches): //A  Water Table Present? Yes No Depth (inches): //A  Saturation Present? Yes No Depth (inches): //A  (includes capillary fringe) Wetland Hydrology Present? Yes No	Inundation Visible on A	erial Imagery (B7)			Shallow Aquitard (D3)
Field Observations:  Surface Water Present?  Water Table Present?  Yes No Depth (inches):/4  Water Table Present?  Yes No Depth (inches):/4  Saturation Present?  Yes No Depth (inches):/4  Wetland Hydrology Present? Yes No		(B9)			그는 그들은 그렇게 하는 것이다. 이 아이를 보고 있다면 하는 사람들이 되는 것이 없는 것이 없는 것이 없는 것이다. 그렇게 없는 것이 없는 것이 없는 것이다. 그런 그렇게 없는 것이 없는 것이다.
Surface Water Present? Yes No Depth (inches): N/A Water Table Present? Yes No Depth (inches): 14 Saturation Present? Yes No Depth (inches): 4 Wetland Hydrology Present? Yes No No Depth (inches): 4	Aquatic Fauna (B13)			All Control of the Co	FAC-Neutral Test (D5)
Water Table Present? Yes No Depth (inches): 14 Saturation Present? Yes No Depth (inches): 4 Wetland Hydrology Present? Yes No No Depth (inches): 4				.1/0	
Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No				NA	
(includes capillary fringe)	Water Table Present?			14	
		Yes No	Depth (inches):	Wetland I	Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.	Saturation Present?			The state of the s	-U-1
Pamerka:	Saturation Present? (includes capillary fringe)	tream gauge, monitorin	g well, aerial photos, pr	evious inspections), if ava	allable:
Remarks:	Saturation Present? (includes capillary fringe) Describe Recorded Data (st	tream gauge, monitorin	g well, aerial photos, pr	evious inspections), if ava	anable:

2001 1 3 151	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft.k30ft.)  1. vone	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC:
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 = C
50% of total cover:	20% of total cover:	FACW species 80 x 2 = 160
Sapling/Shrub Stratum (Plot size: 30 Ft. + 30 Ft.)		FAC species
1. none		FACU species 20 x4 = 80
2		Control of the Control of Control
3.		Ci E species
4		Column Totals: (A) (B)
5		Prevalence Index = B/A = 7.4
6.		Hydrophytic Vegetation Indicators:
7		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9	a saidhean y na machtal an 16 mai	3 - Prevalence Index is ≤3.01
	= Total Cover	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover:	20% of total cover:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30 Ft. x 30 Ft. )		Problematic Hydrophytic Vegetation¹ (Explain)
1. Dichanthelium scoperium	80 Y FACW	Problematic Hydrophytic Vegetation (Explain)
2. Rubus alleghenieusis	ZO Y FACU	1
3		<sup>1</sup> Indicators of hydric soil and wetland hydrology must 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
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:		Lieb All hashananus (non woods) plants ragardioss
	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	20% of total cover: 20	
Woody Vine Stratum (Plot size: 36 Ft. x 36 Fd.)		Woody vine – All woody vines greater than 3.28 ft in height.
1. none		ricigit.
2.		
3.		
4.	CHARLES AND THE PARTY OF THE PA	
		Hydrophytic Vegetation
	= Total Cover	Present? Yes No
50% of total cover:		All the state of t
Remarks: (Include photo numbers here or on a separate :	A THE PROPERTY OF THE PROPERTY	
Remarks: (include photo numbers here or on a separate s	sneet.)	

Depth (inches)	Matrix		Redo	x Features			the absence of in	
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	1.01110110	Remarks
0-8	2.544/1	90	2544/6	10	C	PL	CL	
8-20	2.544/1	100					<u> </u>	
	concentration, D=Dep	oletion, RM	=Reduced Matrix, M	S=Masked	Sand Gra	ins.	<sup>2</sup> Location: PL=Por	e Lining, M=Matrix. for Problematic Hydric Soils³:
_ Histoso			Dark Surface		e (S8) (N	LRA 147.	2 cm N	fluck (A10) (MLRA 147) Prairie Redox (A16)
	listic (A3)		Thin Dark S	urface (S9)	(MLRA 1		(ML	RA 147, 148)
	en Sulfide (A4)		Loamy Gley	and the second section is the second	2)			ont Floodplain Soils (F19) RA 136, 147)
	ed Layers (A5) uck (A10) (LRR N)		Depleted Ma Redox Dark		5)			arent Material (TF2)
Deplete	ed Below Dark Surface	ce (A11)	Depleted Da	ark Surface	(F7)		Very S	hallow Dark Surface (TF12)
	ark Surface (A12)		Redox Depr			DD 11	Other	(Explain in Remarks)
	Mucky Mineral (S1) ( A 147, 148)	LRR N,	Iron-Mangar MLRA 13		s (F12) (	LKK N,		
	Gleyed Matrix (S4)		Umbric Surf		MLRA 13	6, 122)	3Indicato	rs of hydrophytic vegetation and
	Redox (S5)		Piedmont FI					d hydrology must be present,
	d Matrix (S6)						unless	disturbed or problematic.
	Layer (if observed)							
Type:	remarks and a restrict the second						Undrie Seil Bros	sent? Yes No
	L1.		THE PARTY OF THE P			Appendix April	nyuric Son Pres	sentr res No
Depth (ir Remarks:	nches):							
The second second	nches):							
Transfer of the second	nches):							
The second second	nches):							
The second second	nches):							
The second second	nches):							
Transfer of the second	nches):							
Transfer of the second	nches):							



Wetland data point wrap009e\_w facing northwest.



Wetland data point wrap009e\_w facing north.

Project/Site: ACP	City/County: Randolph Sampling Date: 3/16/16
Applicant/Owner: Dominion	State: WV Sampling Point: Wrap 009_
	Section, Township, Range: NA
	ocal relief (concave, convex, none): Slope (%): Slope (%):
Cubanion (Innaiope, terrace, etc.).	192 Long: -80. 15538 Datum: WG584
	very low base NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of y	아이라 살아가 있었다면 그 그 그 그 그 아이들이 아니는 그는 그 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이
	y disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showin	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	I IS the Sampled Area
Remarks:	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	
Surface Water (A1) True Aquatic	
High Water Table (A2)  High Water Table (A2)  Hydrogen Sul	
Bana   10 mm (1 mm ) 1 mm (	cospheres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of F	X784:11:11:15:16:16:16:16:16:16:16:16:16:16:16:16:16:
[ The County II (1) 1 (	Reduction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Su	200 - 2002년 1985년 1985년 1985년 1985년 1985년 1985년 - 1982년 1987년 1987년 1987년 1987년 1987년 1987년 1987년 1987년 1987년 1
Algal Mat or Crust (B4) Other (Explain	
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 (inche	s): <u>N/A</u>
Water Table Present? Yes No Depth (inche	
Saturation Present? Yes No Depth (inche	s):>Zo Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if available:
Remarks:	
	[ ] [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [
31876 - January (1986) -	

Number of Demises Coopies
Number of Dominant Species That Are OBL, FACW, or FAC: (A)
Total Number of Dominant Species Across All Strata: (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Prevalence Index worksheet:
Total % Cover of: Multiply by:
OBL species x 1 =
FACW species x 2 =
FAC species x 3 =
FACU species x 4 =
UPL species x 5 =
Column Totals: (A) (B)
Prevalence Index = B/A =
Hydrophytic Vegetation Indicators:
1 - Rapid Test for Hydrophytic Vegetation
2 - Dominance Test is >50%
3 - Prevalence Index is ≤3.0 <sup>1</sup>
4 - Morphological Adaptations <sup>1</sup> (Provide supporting
data in Remarks or on a separate sheet)
Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
<sup>1</sup> Indicators of hydric soil and wetland hydrology must
be present, unless disturbed or problematic.
Definitions of Four Vegetation Strata:
T Wash all to a substitutions in a 2 in (7.5 cm) or
Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
height.
Sapling/Shrub – Woody plants, excluding vines, less
than 3 in. DBH and greater than or equal to 3.28 ft (1
m) tall.
Herb - All herbaceous (non-woody) plants, regardless
of size, and woody plants less than 3.28 ft tall.
Woody vine – All woody vines greater than 3.28 ft in
height.
Hydrophytic
Vegetation
Present? Yes No
H

Profile Desc	ription: (Describe	to the dep	th needed to docu	ment the in	dicator	or confirm	the absen	ce of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Features %	Type <sup>1</sup>	Loc²	Texture	Remarks
()-5	104R4/2	90	10424/6	10	C	M	C	Kemarks
The state of the s			10-42 4/6	- 10	-			
5.20	104R 4/2	100		25,000,000				
					3-8			
THE REPORT					107.5			
				7.5	775			
-	The state of the s	The same				-	-	
						- KING		The state of the s
1000								
	oncentration, D=Dep	letion, RM:	Reduced Matrix, M	S=Masked	Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Inc	dicators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Dark Surfac				<u> </u>	2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue B				148)	Coast Prairie Redox (A16)
	istic (A3) en Sulfide (A4)		Thin Dark S Loamy Gley		The state of the state of	147, 148)		(MLRA 147, 148) Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma		2)		7 maga (17)	(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark		5)		N 200 200	Red Parent Material (TF2)
	d Below Dark Surfac	e (A11)	Depleted Da				6-21 <u></u>	Very Shallow Dark Surface (TF12)
	ark Surface (A12)		Redox Depr				- 10 m	Other (Explain in Remarks)
	Mucky Mineral (S1) (I	LRR N,	Iron-Mangar		s (F12) (	LRR N,		
	A 147, 148) Sleyed Matrix (S4)		Umbric Surf		MLRA 13	6. 122)	3	Indicators of hydrophytic vegetation and
	Redox (S5)		Piedmont FI					wetland hydrology must be present,
	Matrix (S6)							unless disturbed or problematic.
Restrictive	Layer (if observed):						I Tour of the	
Type:							954	
Depth (in	ches):	3 12 12	<u> </u>				Hydric S	Soil Present? Yes No
Remarks:			3 75	7 7	No. 10	W. T.		
77								
- Table								
The street of								
					11.554			



Upland data point wrap009\_u facing south.



Upland data point wrap009\_u facing east.

Project/Site: ACP		City/County: Randolph	Samr	oling Date: 3/16/16
Applicant/Owner: Dominion		City/County.	State: 61V Sa	mpling Point: Wrap 010 e
Investigator(s): EST (R. Tural	eult)			
Landform (hillslope, terrace, etc.):	oripinine La	ocal relief (concave, convex, none	e): Concave	Slope (%):
Subregion (LRR or MLRA): LRR				
Soil Map Unit Name:	s, mudstone and shall	e, very low base	NWI classification:	FEM
Are climatic / hydrologic conditions on	the site typical for this time of y	ear? Yes No (I	f no, explain in Remark	s.)
Are Vegetation, Soil,	or Hydrology significantl	y disturbed? Are "Normal (	Circumstances" present	1? Yes No
Are Vegetation, Soil,			plain any answers in R	
SUMMARY OF FINDINGS -				
Hydrophytic Vegetation Present?	Yes No No	is the Sampled Area		
Hydric Soil Present? Wetland Hydrology Present?	Yes No	within a Wetland?	Yes N	o
Remarks:	1es 1vo			
Strip Mine				
HYDROLOGY				
Wetland Hydrology Indicators:				minimum of two required)
Primary Indicators (minimum of one	Proceedings of the second of t		Surface Soil Crack	
Surface Water (A1)	True Aquatic I			d Concave Surface (B8)
High Water Table (A2)	Hydrogen Sul		Drainage Patterns	
Saturation (A3)		2 (2) 회사가 기계를 보냈다면서는 1일 (2 To 6 T) (2 H) (2 H) (2 H) (2 H) (2 H)	Moss Trim Lines (E Dry-Season Water	
Water Marks (B1)	Presence of R	원하면서 이번 회에는 내가 보면 하면 보면 있다. 나는 그 때문에		
Sediment Deposits (B2) Drift Deposits (B3)	Thin Muck Su			on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain		Stunted or Stresse	: : : : : : : : : : : : : : : : : : :
Iron Deposits (B5)			Geomorphic Positi	
Inundation Visible on Aerial Ima	igery (B7)		Shallow Aquitard (I	
Water-Stained Leaves (B9)			Microtopographic F	
Aquatic Fauna (B13)			FAC-Neutral Test (	(D5)
Field Observations:		11.		
Surface Water Present? Yes	No Depth (inche	s):		
	No Depth (inche			
Saturation Present? Yes	No Depth (inche	s): Jurface Wetland H	ydrology Present?	res No
(includes capillary fringe)  Describe Recorded Data (stream ga	auge, monitoring well, aerial pho	tos, previous inspections), if avail	lable:	
		INSK DECKE - The second		
Remarks:				
A STATE OF THE STA				
■ 10.1 (1) (10.1 (2) (10.1 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)				

7	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft x 20 ft.)  1. none	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata: (B)
4 5		Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
6		Prevalence Index worksheet:
7	The state of the s	Total % Cover of: Multiply by:
	= Total Cover	CONTRACTOR AND ADMINISTRATION OF THE PROPERTY
	20% of total cover:	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 30 ft. x 20 ft.)		FACW species x 2 =
1. none		FAC species x 3 =
2		FACU species x 4 =
3.		UPL species x 5 =
4.		Column Totals: (A) (B)
5		Prevalence Index = B/A =
6		Hydrophytic Vegetation Indicators:
	iche. Ch. resulta escrib, reminant il 2 meses proprintina en l'illia come su la carriera	1 - Rapid Test for Hydrophytic Vegetation
8.		2 - Dominance Test is >50%
	au resignit presentante 👫 est e una 11 anual tratatan appresent (15 commente en 16 commente en	3 - Prevalence Index is ≤3.01
	- Total Cover	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
	20% of total cover:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30 ft. & 20 ft.)	IR V FIGUR	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1. Dichanthelium reoperium	30 Y FACW	
2. Juneus effusus.		<sup>1</sup> Indicators of hydric soil and wetland hydrology must 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
10		m) tall.
11.		Herb - All herbaceous (non-woody) plants, regardless
	90 = Total Cover	of size, and woody plants less than 3.28 ft tall.
50% of total cover:	20% of total cover:	
Woody Vine Stratum (Plot size: 30 Ft. x Z6 Ft. )		Woody vine – All woody vines greater than 3.28 ft in height.
1. hone		The state of the s
2.		
3.		
4.		
Part of the Control o		Hydrophytic Vegetation
The first of the state of the s	= Total Cover	Present? Yes No
50% of total cover:		
THE UNDERSTANDING THE CONTROL OF THE PROPERTY	THE RESERVE OF THE PARTY OF THE	The same district and the same state of the same
50% of total cover: Remarks: (Include photo numbers here or on a separate	20% of total cover:	

Depth	Matrix			ox Features				
inches)	Color (moist)	_%_	Color (moist)	%	Type'	_Loc <sup>2</sup>	<u>Texture</u>	Remarks
0-20	2.54 4/1	80	104R 4/6		<u> </u>	_M		gravel present
Type: C=Cc	oncentration, D=Dep	eletion, RM	=Reduced Matrix, M		Sand Gr	ains.	²Location: P	L=Pore Lining, M=Matrix.
lydric Soil I								ators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) (MLRA 147)
Black His Hydroge Stratified 2 cm Mu Depleted Thick Da Sandy M MLRA Sandy G Sandy R	bipedon (A2) stic (A3) stric (A3) stric (A4) d Layers (A5) stck (A10) (LRR N) d Below Dark Surface ark Surface (A12) ducky Mineral (S1) (I A 147, 148) Gleyed Matrix (S4)		Dark Surface Polyvalue B Thin Dark S Loamy Gley Depleted M Redox Dark Depleted Down D	delow Surface Surface (S9) yed Matrix (F atrix (F3) & Surface (F0 ark Surface ressions (F8 nese Masse 36) face (F13) (I	(MLRA 1 (E) (F7) ) s (F12) (	LRR N,	148) 6 F 7 7 7 7 8	Coast Prairie Redox (A16)  (MLRA 147, 148)  Piedmont Floodplain Soils (F19)  (MLRA 136, 147)  Red Parent Material (TF2)  Very Shallow Dark Surface (TF12)  Other (Explain in Remarks)  dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
	Layer (if observed)						d - m-	
Type:		77-17-13						
Depth (inc Remarks:	ches):	all sour	<u> </u>		<u> </u>		Hydric Soi	I Present? Yes No



Wetland data point wrap010e\_w facing southeast.



Wetland data point wrap010e\_w facing northeast.

Project/Site: ACP		City/C	county: Randalah		Sampling Date: 3/16/16
Applicant/Owner: Domini	0.0	City/C	odiny.	State: INV	Sampling Date: 3/16/16 Sampling Point: Wrap 010_0
Investigator(s): ESI (R.	J. c.h. 11)	C#	- Total Donor	AL/A	_ Camping Form. Out Cost Cost
The first of the control of the first of the control of the contro					
					Slope (%): 4-10°
					Datum: <u>WG584</u>
Soil Map Unit Name: Udor	thents, mudstone	e and shale,	very low base	NWI classifica	ation: NA
Are climatic / hydrologic conditi	ions on the site typical for	or this time of year?	/es No (	If no, explain in Re	emarks.)
Are Vegetation, Soil	, or Hydrology	significantly distu	bed? Are "Normal	Circumstances" pr	resent? Yes No
Are Vegetation, Soil					
					important features, etc.
Hydrophytic Vegetation Prese	ont? Vos	No V			The second secon
Hydric Soil Present?	Yes Yes	No No	Is the Sampled Area	V	
Wetland Hydrology Present?	Yes	No /	within a Wetland?	Yes	_ No
Remarks:				HE PERMANENT	
Strip Mine			-		
HYDROLOGY				OIndiant	(minimum of thus manying d)
Wetland Hydrology Indicato					ors (minimum of two required)
Primary Indicators (minimum			IV A THE RESERVE AND A SHEET PARTY OF THE PA	Surface Soil (	
Surface Water (A1)		True Aquatic Plants			etated Concave Surface (B8)
High Water Table (A2) Saturation (A3)		Hydrogen Sulfide Od	res on Living Roots (C3)	Drainage Pate Moss Trim Lin	
Water Marks (B1)		Presence of Reduce			Vater Table (C2)
Sediment Deposits (B2)			on in Tilled Soils (C6)	Crayfish Burr	
Drift Deposits (B3)		Thin Muck Surface (			sible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Other (Explain in Re		Stunted or St	ressed Plants (D1)
Iron Deposits (B5)				Geomorphic I	
Inundation Visible on Ae				Shallow Aquit	
Water-Stained Leaves (E	39)				phic Relief (D4)
Aquatic Fauna (B13)	V			FAC-Neutral	Test (D5)
Field Observations:			. 1/4		
Surface Water Present?	Yes No	Depth (inches):	2		
Water Table Present?	Yes No	Depth (inches):	>8 Westland II	ludralamı Drasan	12 Van Na :
Saturation Present? (includes capillary fringe)	Yes No	_ Depth (inches):	wetland H	lydrology Presen	t? Yes No
Describe Recorded Data (stre	eam gauge, monitoring	well, aerial photos, pro	evious inspections), if ava	ilable:	
Remarks:	al at Sinches	no surface	ce hydrology is	ndicators	noted.
auger ve	N. OTREVES	,	. 0/		
SOLE MO. THE STATE OF THE STATE OF					

Sampling Point: INTAP 610\_4

7. [1. 2. 5]	Absolute Dominant Indicator	Dominance Test worksheet:
1. none		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata: (B)
<b>4</b>	Control of the Contro	Percent of Dominant Species That Are OBL, FACW, or FAC:
6		Prevalence Index worksheet:
7.		Total % Cover of: Multiply by:
	= Total Cover	OBL species x.1 = 0
50% of total cover:	20% of total cover:	FACW species 28 x 2 = 40
Sapling/Shrub Stratum (Plot size: 36 Pt. + 30 Pt. )		FAC species x3 = G
1. none		FACU species 50 x4 = 200
2		UPL species
3,	The second of the production of the second	
4		Column Totals: 70 (A) 240 (B)
5 6		Prevalence Index = B/A = 3.43
7		Hydrophytic Vegetation Indicators:
TOTAL PROPERTY AND LOCAL CONTRACTOR OF THE PROPERTY OF THE PRO		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9	O = Total Cover	3 - Prevalence Index is ≤3.01
50% of total cover:		4 - Morphological Adaptations¹ (Provide supporting
Herb Stratum (Plot size: 30 ft. x 36 ft. )	20% of total cover	data in Remarks or on a separate sheet)
1. Dicharthelium scoperium	ZO Y FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2. Eugatorium capillifolium	40 Y FACU	
2. Eupatorium capillitolium	LO N FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3. Rubus allegheniensis	LO IN MCU	be present, unless disturbed or problematic.
4 - 22 to a titue and offer the expression of the control of the c	AN ERROR OF A COMMENT OF THE PROPERTY OF THE P	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.
B		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	E-contract to be determined to the second	Herb – All herbaceous (non-woody) plants, regardless
	70 = Total Cover	of size, and woody plants less than 3.28 ft tall.
	20% of total cover: 14	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 F1. x 30 F1.)		height.
1. none		
2.		
3,		
4.		Hydrophytic
5.		Vegetation
	O = Total Cover	Present? Yes No No
50% of total cover:		
Remarks: (Include photo numbers here or on a separate sh		Programme California Colonia de Galeria (California California Cal

Profile Des	cription: (Describe to	o the depth n	eeded to docur	ment the in	dicator o	r confirm	the absen	ce of indicators.)	
Depth	Matrix		Redo	x Features	T1	12	T4	Domeska	
(inches)	Color (moist)		Color (moist)				Texture		1777/1877
.0-8	104R2/2				-	10.6 (000)		gravel present	Tomore and
						341 (S-0)61 S			
				1					
		-				_			
	The state of the s			-	-	14500)	-		
				250/100			_		
					alla _				TATE OF
¹Type: C=C	oncentration, D=Deple	etion, RM=Red	duced Matrix, M	S=Masked	Sand Grai	ns.	<sup>2</sup> Location:	PL=Pore Lining, M=Matrix.	
	Indicators:	10007/02-07/04				(A) (A) (A) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B	Inc	licators for Problematic Hydric	Soils3:
Histoso	I (A1)		_ Dark Surface					2 cm Muck (A10) (MLRA 147)	
August 1997 Co.	pipedon (A2)		_ Polyvalue Be				148)	Coast Prairie Redox (A16)	
	istic (A3)	N	_ Thin Dark St			7, 148)		(MLRA 147, 148)	
	en Sulfide (A4) d Layers (A5)	-	<ul><li>Loamy Gleye</li><li>Depleted Ma</li></ul>		-2)		-	Piedmont Floodplain Soils (F19 (MLRA 136, 147)	,
	uck (A10) (LRR N)	2	Redox Dark		5)			Red Parent Material (TF2)	
	d Below Dark Surface		Depleted Da					Very Shallow Dark Surface (TF	12)
	ark Surface (A12)		_ Redox Depre					Other (Explain in Remarks)	
	Mucky Mineral (S1) (L	RR N, _	Iron-Mangar		s (F12) <b>(L</b>	RR N,			
	A 147, 148)		MLRA 13 Umbric Surfa		AI DA 126	122\	3	Indicators of hydrophytic vegetat	ion and
Sandy l	Gleyed Matrix (S4)		_ Piedmont Flo					wetland hydrology must be pre-	
Property of the Park of the Control of	d Matrix (S6)			ouplant oc	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,	unless disturbed or problematic	
	Layer (if observed):	1 2 0 , 1 = 1			15.53		3 1 1 0 1		
Type:		i de colonia					E Total		
Depth (ir	nches):	(2-11 1 1 1 h)	-				Hydric S	ioil Present? Yes N	0
Remarks:					20) Yelle 1	Des street	d i manifest		
		0 0		10.	10 1	. `	\		
Auge	- refusal	(a) 8	inches	(Rocke	/ Beds	rocke,	)		
1.00		_							
									40.00
\$4 H K									
6									
									100
									56.3
a la									
					H 12 30	/_ D/III6-3 III			28. I. p (b)



Upland data point wrap010\_u facing southwest.



Upland data point wrap010\_u facing northwest.

Project/Site: ACP	City/C	ounty Randolph	S	ampling Date: 3/16/16
Applicant/Owner: Dominion	City/C	Sta	te: W/	ampling Date: 3/16/16 Sampling Point: wrapalle
Investigator(s): ESI (R. Turnbull)	Socia	n Township Banga: N	14	Camping Cont.
		800 C. C. 100 C.		
Landform (hillslope, terrace, etc.):	Muse Local reli	ef (concave, convex, none):	con caye	Slope (%): 2 3 6
Subregion (LRR or MLRA): LRR N				
Soil Map Unit Name: Udorthents, mu	dstone and shale, u	very low base !	NWI classificati	on: PEM
Are climatic / hydrologic conditions on the site	typical for this time of year? Y	es No (If no,	explain in Ren	narks.)
Are Vegetation, Soil, or Hydro	logy significantly disturt	bed? Are "Normal Circu	ımstances" pre	sent? Yes _ No
Are Vegetation, Soil, or Hydro	logy naturally problema	itic? (If needed, explain	n any answers	in Remarks.)
SUMMARY OF FINDINGS - Attack	site map showing sam	pling point locations,	transects, i	mportant features, etc.
Hydrophytic Vegetation Present?	es No			
	es No	Is the Sampled Area	V /	No
Wetland Hydrology Present?	es No	within a Wetland?	res	NO
Remarks:				
Strip Mine				
HADBOLOCA				
HYDROLOGY Wetland Hudrology Indicators:		Sacr	ndary Indicato	rs (minimum of two required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is requi	rod: chock all that apply)	Section		
Surface Water (A1)				ated Concave Surface (B8)
High Water Table (A2)	True Aquatic Plants ( Hydrogen Sulfide Odd		Drainage Patte	
Saturation (A3)	Oxidized Rhizosphere		Moss Trim Line	
Water Marks (B1)	Presence of Reduced			ater Table (C2)
Sediment Deposits (B2)	Recent Iron Reductio		Crayfish Burrov	
Drift Deposits (B3)	Thin Muck Surface (C	:	Saturation Visit	ole on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Rer			essed Plants (D1)
Iron Deposits (B5)			Geomorphic Po	
Inundation Visible on Aerial Imagery (B	7)		Shallow Aquita	
Water-Stained Leaves (B9)			Microtopograph	
Aquatic Fauna (B13)			FAC-Neutral To	est (U5)
Field Observations:	No Depth (inches):	4		
Surface Water Present? Yes	No Depth (inches): <u><u< u=""></u<></u>	cf		
	No Depth (inches): 544		logy Procent?	Yes No
(includes capillary fringe)				Tes NO
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, pre	vious inspections), if available		
Remarks:	A STATE OF THE STA			
The state of the s				

Sampling Point: Wrap Blew

546, 446,	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 50fr. x 10fr.)  1. none	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata: (B)
4, 5		Percent of Dominant Species That Are OBL, FACW, or FAC: 106 (A/B)
6		Prevalence Index worksheet:
7		To be a combined for and his house his body to be broad to the contract of the
	= Total Cover	description of the control of the co
50% of total cover:	20% of total cover:	OBL species x1 =
Sapling/Shrub Stratum (Plot size: 56 ft. × 10 ft.)		FACW species x 2 =
1. none		FAC species x 3 =
2		FACU species x 4 =
3		UPL species x 5 =
4.		Column Totals: (A) (B)
5.		Developed Index DIA
6.		Prevalence Index = B/A =
7.		Hydrophytic Vegetation Indicators:
8.		1 - Rapid Test for Hydrophytic Vegetation
9.		2 - Dominance Test is >50%
	0 = Total Cover	3 - Prevalence Index is ≤3.01
50% of total cover:	1 SUBSTITUTE AND ADMINISTRATION OF THE PROPERTY OF THE PROPERT	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
Herb Stratum (Plot size: 50 Pt. x 10 Pt. )		data in Remarks or on a separate sheet)
1. Juneus ettensus	60 Y FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2. Rubus allegheniensis	5 N FACU	
3. Persicaria saaitrata	30 K OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
CONTRACTOR CONTRACTOR AND REPORT OF THE PROPERTY OF THE PROPER	SORTH CONTROL OF CONTR	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	Control of the contro	height.
B.		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
	95 = Total Cover	of size, and woody plants less than 3.28 ft tall.
	20% of total cover: 19	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 50 Pt. x 10 Pt.)		height.
1. none		
2		
3,		
4.		
5.		Hydrophytic Vegetation
	O = Total Cover	Present? Yes No
50% of total cover:	Mari Children de Abbrevier de la Carlo Car	
Remarks: (Include photo numbers here or on a separate sh		
Remarks: (include photo numbers here or on a separate si	ieet.)	

epth	cription: (Describe to Matrix		Redox	Features	S			
nches)	Color (moist)	%	Color (moist)	%	Type	Loc <sup>2</sup>	Texture	Remarks
3-12	11784/1	95	10 mc 4/6	5		PL		
	oncentration, D=Deple	etion, RM	Reduced Matrix, MS	=Masked	Sand Gr	ains.	<sup>2</sup> Location: PL=P	ore Lining, M=Matrix. rs for Problematic Hydric Soils <sup>3</sup> :
Black H Hydroge Stratifie 2 cm Mi Deplete	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) uck (A10) (LRR N) d Below Dark Surface	(A11)	Dark Surface Polyvalue Be Thin Dark Su Loamy Gleye Depleted Mat Redox Dark S Depleted Dar	low Surfar rface (S9) d Matrix ( rix (F3) Surface (F k Surface	(MLRA 1 F2) F6) (F7)		148) Coas (N Pied (N Red Very	Muck (A10) (MLRA 147) st Prairie Redox (A16) MLRA 147, 148) mont Floodplain Soils (F19) MLRA 136, 147) Parent Material (TF2) Shallow Dark Surface (TF12)
Sandy MLR. Sandy C Sandy F Stripped	ark Surface (A12) Mucky Mineral (S1) (L A 147, 148) Gleyed Matrix (S4) Redox (S5) I Matrix (S6) Layer (if observed):	RR N,	Redox Depre Iron-Mangane MLRA 136 Umbric Surfa Piedmont Flo	ese Mass 6) ce (F13) (	es (F12) ( (MLRA 13	6, 122)	<sup>3</sup> Indica	er (Explain in Remarks)  tors of hydrophytic vegetation and and hydrology must be present, as disturbed or problematic.
Туре:	ches):		_				Hydric Soil Pr	esent? Yes No
emarks:	refusal @	12 iv	iches (Rock	/ Bedro	nete)			
,	7-1-32.							



Wetland data point wrap011e\_w facing southeast.



Wetland data point wrap011e\_w facing northeast.

Project/Site: ACP	City/County: Randolph	Sampling Date: 3 16 16
Applicant/Owner: Dominion		State: WV Sampling Point: Wrep 011-6
Investigator(s): ESI (R. Turnbull)	Section, Township, Range:	N/A
Landform (hillslope, terrace, etc.): Strip mine		
Subregion (LRR or MLRA): LRR N Lat: 3		
Soil Map Unit Name: Udorthents mudstone	and the second s	
Are climatic / hydrologic conditions on the site typical for th		
Are Vegetation, Soil, or Hydrology		
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, e	explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing sampling point location	ons, transects, important features, etc.
Hydrophytic Vegetation Present? Yes 1		
Hydric Soil Present? Yes N	within a Wetland?	Yes No
Wetland Hydrology Present? Yes 1	lo	We will be a second of the sec
HYDROLOGY		
Wetland Hydrology Indicators:	What Had an area of the second	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all	that apply)	Surface Soil Cracks (B6)
	e Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
[1] [1] [1] [2] [3] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	drogen Sulfide Odor (C1)	Drainage Patterns (B10)
	dized Rhizospheres on Living Roots (C3)	Moss Trim Lines (B16)
	sence of Reduced Iron (C4)	Dry-Season Water Table (C2)
10. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	cent Iron Reduction in Tilled Soils (C6)	Crayfish Burrows (C8)
10 <del>1 -                                  </del>	n Muck Surface (C7)	<ul><li>Saturation Visible on Aerial Imagery (C9)</li><li>Stunted or Stressed Plants (D1)</li></ul>
Algal Mat or Crust (B4) Oth Oth Oth Oth	er (Explain in Remarks)	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:	1/2	
Surface Water Present? Yes No De		
Water Table Present? Yes No De	epth (inches): >8	
Saturation Present? Yes No Do	epth (inches):   Wetland i	Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well,	aerial photos, previous inspections), if ava	ailable:
D-market		
Remarks: auger retural at 8 inch	es, no surface hydrolo	by indicators noted.
30.		
THE RESERVE THE PARTY OF THE PA		

2.6. 2.6.	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft. x 30 ft.)  1. none	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2		Total Number of Dominant Species Across All Strata: (B)
4,		Percent of Dominant Species That Are OBL, FACW, or FAC:
6	A STATE OF THE PARTY OF THE PAR	Prevalence Index worksheet:
7,	O - Total Cover	Total % Cover of: Multiply by:
50% of total cover:	= Total Cover	OBL species
Sapling/Shrub Stratum (Plot size: 30 ft. × 30 ft.)	20% of total cover	FACW species 60 x 2 = 120
1. none		FAC species  x 3 = 6
2.		FACU species 30 x 4 = 120
3.		UPL species x 5 =
4.		Column Totals: 90 (A) 240 (B)
5.		Prevalence Index = B/A = 2-67
6		Hydrophytic Vegetation Indicators:
7		1 - Rapid Test for Hydrophytic Vegetation
B		2 - Dominance Test is >50%
	A second second	3 - Prevalence Index is ≤3.01
F00/ -f4-1-1	O = Total Cover	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
50% of total cover: Herb Stratum (Plot size: 30Ph & 30 Ph. )	20% of total cover:	data in Remarks or on a separate sheet)
1. Dichanthelium scoparium	60 Y FACW	Problematic Hydrophytic Vegetation¹ (Explain)
2. Rubus allegheniensis	ZO Y FACU	
3. Eupatorium eapillifolium	10 N FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
4	CONTRACT CHIMAGAGO AND MAILCH CHIMAGAGO TO A TRANSPORTED	be present, unless disturbed or problematic.
5,		Definitions of Four Vegetation Strata:
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.	90 = Total Cover	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 45	20% of total cover: 18	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 Pt. x 30 Pt.)		height.
1. none		
2		
3,	MALESTANIA PROPERTY AND THE PARTY OF THE PAR	
4. The second se	A SAME THE PROPERTY OF THE PARTY OF THE PART	Hydrophytic
	TO A THE PERSONNEL CONTRACTOR	Vegetation Present? Yes No
50% of total cover:	= Total Cover 20% of total cover:	163 <u>(</u> 160 () () () () () () () () () () () () ()
Remarks: (Include photo numbers here or on a separate s	heet.)	

Depth	scription: (Describe to Matrix			k Features					
(inches)	Color (moist)	%	Color (moist)			Loc <sup>2</sup>	Texture	Remar	A 100-20-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
0-8	2,543 2	100					SCL	gravel pro	sent
	Concentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked	Sand Gra	ains.		=Pore Lining, M=Mat	
Histoso Histic E Black I Hydrog Stratific 2 cm M Deplete Thick E Sandy MLF Sandy Strippe	Epipedon (A2) Histic (A3) Jen Sulfide (A4) Jed Layers (A5) Muck (A10) (LRR N) Jed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) (L JA 147, 148) Gleyed Matrix (S4) Redox (S5) Jed Matrix (S6)		Dark Surface Polyvalue Be Thin Dark Su Loamy Gleye Depleted Mai Redox Dark Su Pepleted Dai Redox Depre Iron-Mangan MLRA 13 Umbric Surfa	low Surfarface (S9) d Matrix (F3) Surface (F6) k Surface essions (F6) esse Massi 6) ce (F13) (	(MLRA 1 F2) 6) (F7) 8) es (F12) (I	47, 148) LRR N, 6, 122)	148) 2 148) 6 6 7 7 7 8)	ators for Problematic cm Muck (A10) (MLR Coast Prairie Redox (A (MLRA 147, 148) Piedmont Floodplain S (MLRA 136, 147) Red Parent Material (T Very Shallow Dark Sur Other (Explain in Rema	A 147) (16) (oils (F19) (F2) (face (TF12) (arks) (vegetation and to be present,
estrictive Type: _	Layer (if observed):	Torres To TV to			A contract	THE VEHICLE			
	nches):	14,25					Hydric Soil	Present? Yes	No V
Auge	r refusal @	9 8 i	nches						



Upland data point wrap011\_u facing southwest.



Upland data point wrap011\_u facing northwest.

WEILAND DETERMINATION	[19] (2014년 : 19] (2014년 1일) (201
roject/Site: ACP	City/County: Randolph Sampling Date: 3/16/16  State: WV Sampling Point: WESP 617 c. W
pplicant/Owner: <u>Dominion</u>	State: Sampling Four.
nvestigator(s): EST (R.Turnbull)	Section, Township, Range: N/A
andform (hillslope, terrace, etc.): +211ace	Local relief (concave, convex, none): Concave Slope (%): 2-5%
Subregion (LRR or MLRA): LRR N Lat: 38.	62325 Long: -80.15556 Datum: W.6584
oil Map Unit Name: Udorthents, mudstone an	d shale, very low base NWI classification: PEM
se climatic / bydrologic conditions on the site typical for this tin	ne of year? Yes No (If no, explain in Remarks.)
re Vegetation, Soil, or Hydrology signi	ificantly disturbed? Are "Normal Circumstances" present? Yes No
re Vegetation, Soil, or Hydrology natu	rally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sh	owing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No  No	within a Wetland? Yes No No
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: check all that	at apply) Surface Soil Cracks (B6)
Surface Water (A1) True A	quatic Plants (B14) Sparsely Vegetated Concave Surface (B8)
	gen Sulfide Odor (C1) Drainage Patterns (B10)  Mass Trim Lines (B16)
Hannan Hanna	ed Rhizospheres on Living Roots (C3) Moss Trim Lines (B16) nce of Reduced Iron (C4) Dry-Season Water Table (C2)
Water Marks (B1) Preser Sediment Deposits (B2) Recen	t Iron Reduction in Tilled Soils (C6) Crayfish Burrows (C8)
	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) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Silatiow Adulate (D3) Microtopographic Relief (D4)
Water-Stained Leaves (B9) Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Dept	h (inches):
Water Table Present? YesNo Dept	h (inches): _surface
	h (inches): surface Wetland Hydrology Present? Yes No No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, as	erial photos, previous inspections), if available:
Remarks:	[경기 : [2] 이 보고 10 Here Hall Hall Hall Hall Hall Hall Hall Hal
	[17] [18] 전 시간
네 에 하는 나는 전 1년 시간 때문을 가장이 되었습니다.	

	Absolute Dominant Indicator	Dominance Test worksheet:
	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata: (B)
5		Percent of Dominant Species That Are OBL, FACW, or FAC:
6		Prevalence Index worksheet:
7	0 =	Total % Cover of: Multiply by:
50% of total cover:	= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 30PL & 30PL)	20% of total cover:	FACW species x 2 =
[2] 20 전통 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10		FAC species x 3 =
Control of the Contro		FACU species x 4 =
2		UPL species x 5 =
3.		Column Totals: (A) (B)
4.		Colonia formation (1)
5.		Prevalence Index = B/A =
6.		Hydrophytic Vegetation Indicators:
		1 - Rapid Test for Hydrophytic Vegetation
B	April 10 miles	2 - Dominance Test is >50%
9	COLUMN CO	3 - Prevalence Index is ≤3.01
	= Total Cover	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
50% of total cover:	20% of total cover:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30 Pt. x 30 Pt.)		Problematic Hydrophytic Vegetation¹ (Explain)
1. Juneus effusus	50 Y FACW	Problemade Plydrophydd Vegetation (explany
1. Juneus effusus 2. Scirpus experious	ZO Y FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3. Dichanthelium scoparium	10 N FACE	be present, unless disturbed or problematic.
4. Let the second the second s		Definitions of Four Vegetation Strata:
5,		
6,		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
CONTROL CONTRO		more in diameter at breast height (DBH), regardless of height.
7		
9		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
- 1820 managana na managang managan managan na bahara na managan na katawa na katawa na managan na managan na m		m) tall.
10	The state of the s	
11	= Total Cover	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 40 Woody Vine Stratum (Plot size: 30 ft × 30 ft )	20% of total cover: 16	Woody vine – All woody vines greater than 3.28 ft in height.
1. none		
2.	Secretaria de la companya del companya de la companya del companya de la companya	
3.	Company of the Compan	
4.		Hydrophytic
5	Establish to the second of the second	Vegetation
50% of total cover:	= Total Cover 20% of total cover:	Present? Yes No No
Remarks: (Include photo numbers here or on a separate sh	THE DESIGNATION OF A STREET CONTRACTOR AND ADMINISTRAL AND ADM	The second section of the second section of the second section of the second section s
Normanio. (morado prioso namboro noto di diria coparato di		

	Matrix			x Features				5
nches)	Color (moist)	%	Color (moist)	- %	Type'	Loc²	Textur	The state of the s
0-8	2.543/1	90	104R4/6	lo		PL	CL	AND THE RESIDENCE OF THE PROPERTY OF THE PARTY OF THE PAR
5-20	2.54/1	95	10084/6	5	<u>c</u>	PL	CL	
ype: C=	  Concentration, D=Dep	eletion, RM	=Reduced Matrix, M	  1S=Masked	Sand Gr	ains.		n: PL=Pore Lining, M=Matrix.
dric Soi	I Indicators:		Dark Surfac					ndicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) (MLRA 147)
Hydrog Stratifi 2 cm M Deplet Thick I Sandy MLI Sandy Sandy	Histic (A3) gen Sulfide (A4) ed Layers (A5) Muck (A10) (LRR N) led Below Dark Surfac Dark Surface (A12) Mucky Mineral (S1) ( RA 147, 148) Gleyed Matrix (S4) Redox (S5) ed Matrix (S6)		Thin Dark S Loamy Gley Depleted M Redox Dark Depleted De Redox Depleted De Iron-Manga MLRA 1 Umbric Sur Piedmont F	yed Matrix (F3) (Surface (F3) (Surface (F3) (F3) (F3) (F3) (F3) (F3) (F3) (F3)	(F2) F6) E (F7) F8) Ses (F12)	(LRR N, 36, 122)		(MLRA 147, 148)  Piedmont Floodplain Soils (F19) (MLRA 136, 147)  Red Parent Material (TF2)  Very Shallow Dark Surface (TF12) Other (Explain in Remarks)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
	e Layer (if observed	):				F. SANTAR		
							l	5 11 12 N 1 N 1 N 1
Depth ( emarks:	(inches):						Hydric	Soil Present? Yes No



Wetland data point wrap012e\_w facing west.



Wetland data point wrap012e\_w facing south.

	ETERMINATION DATATE	County: Randolph	Sampling Date: 3/6/16
oject/Site: ACP	City/C	State: WV	Sampling Point: Wrap 012-0
oplicant/Owner:		State: WV	_ Sampling Forms
vestigator(s): EST (R. Turno	Section Section	on, Township, Range: NA	Sland (94): 7 -594
andform (hillslope, terrace, etc.):	Local rel	lief (concave, convex, none): Loncave	Siope (%). <u>C 3 (</u>
ubregion (LRR or MLRA): LRRN	Lat: 38, 62332	Long:80. 15553	Datum: WO367
oil Map Unit Name: Udorthents,	mudstone and shale,	very low base NWI classific	ation: NIA
e elimatic / bydrologic conditions on the	site typical for this time of year?	Yes No (If no, explain in R	emarks.)
re Vegetation , Soil , or Hy	drology significantly distu	rbed? Are "Normal Circumstances" p	present? Yes No No
re Vegetation, Soil, or Hy	vdrology naturally problem	natic? (If needed, explain any answe	ers in Remarks.)
LIMMARY OF FINDINGS - Att	ach site man showing sat	mpling point locations, transects	s, important features, etc.
UMMART OF FINDINGS - Att			
Hydrophytic Vegetation Present?	Yes No	Is the Sampled Area	
Hydric Soil Present?	Yes No	within a Wetland? Yes	No/_
Wetland Hydrology Present?	Yes No		
Remarks:			
CI . M			
Strip Mine			
YDROLOGY		Secondary India	cators (minimum of two required)
Wetland Hydrology Indicators:		Surface So	
Primary Indicators (minimum of one is r			egetated Concave Surface (B8)
Surface Water (A1)	True Aquatic Plants	[전기], 남리 [2] [6] [1. [1] [2] [2] [2] [3] [3] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	
High Water Table (A2)	Hydrogen Sulfide C	eres on Living Roots (C3) Moss Trim	
Saturation (A3)	Oxidized Rhizosphi	eres on Living Roots (CS) moss runn	n Water Table (C2)
Water Marks (B1)	Presence of Reduction Reduction	. 1987 [2] [1887 - 1987 - 1987 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1	
Sediment Deposits (B2)	Recent non Reduc		Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Other (Explain in R	가는 두기 없는 것이 있는 1일 이번 가게 하는 것이 없는 것이 없는 것이 없는 그 사고 있는 것이 되었다면 하는데 하는데 없다면 없었다.	Stressed Plants (D1)
Algal Mat or Crust (B4) Iron Deposits (B5)	0.000 (2.20000000		ic Position (D2)
Inundation Visible on Aerial Image	rv (B7)	Shallow Ad	
Water-Stained Leaves (B9)	., (2.)		graphic Relief (D4)
Aquatic Fauna (B13)		FAC-Neuti	ral Test (D5)
Field Observations:			
Surface Water Present? Yes	No V Depth (inches): _	NA	
Water Table Present? Yes	No Depth (inches): _	212	
Saturation Present? Yes	No Depth (inches): _	>12 Wetland Hydrology Pres	sent? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge	no monitoring well serial photos	previous inspections), if available:	
Describe Recorded Data (stream gaug	je, mormornig wen, aenar priotos,		
Demoks: A		- C le deslesse indice	ctors noted.
Remarks: Anger refusal	at 12 inches = 10	surface hydrology indice	

2 2 3 3 3 3	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft. k 30ft.)	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC:O(A)
2		Total Number of Dominant Species Across All Strata: (B)
4 5		Percent of Dominant Species That Are OBL, FACW, or FAC:O (A/B)
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
	= Total Cover	OBL species x1 =
50% of total cover:	20% of total cover:	FACW species  x2 = 0
Sapling/Shrub Stratum (Plot size: 30 ft. x 30 ft.)		FAC species O x3 = O
1. none	La Procession Company Control of the	FACU species 110 x4 = 440
2	Marie Company	UPL species x 5 =
3		UPL species X5 = VI
4		Column Totals: 110 (A) 440 (B)
5		Prevalence Index = B/A =
6		Hydrophytic Vegetation Indicators:
7	A B. P. Devices Inc. ( AMERICAN SERV.) ( PRESIDENCE )	1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9.		3 - Prevalence Index is ≤3.0¹
	O = Total Cover	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover:	20% of total cover:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30 Ft. x30 Ft.)		
1. Feshica rubra	70 Y FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2. Enpatorium cooili folium	40 Y FACU	
3		Indicators of hydric soil and wetland hydrology must 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 height.
7		
		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
9.		m) tall.
10		
11	110 = Total Cover	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 35 Woody Vine Stratum (Plot size: 30 ft × 30 ft.)	20% of total cover: 72	Woody vine – All woody vines greater than 3.28 ft in height.
1. none		
2.	***************************************	
3,	Andre Andre Comment	
4.	AV. W. AV.	Hydrophytic
5		Vegetation
	O = Total Cover	Present? Yes No No
50% of total cover:	20% of total cover:	
Remarks: (Include photo numbers here or on a separate s	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	

Color (moist)  % Color (moist)  % Type' Loc' Texture Remarks	epth	Matrix			x Features						
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  ype: C=Concentration, D=Depletion, RM=Reduced Matrix, Solis - 2 cm Muck (A10) (MLRA 147, 148)    Dark Surface (S7)	nches)	The second secon	<u>%</u>	Color (moist)	%	Type1	Loc <sup>2</sup>	-	PRINTED TO STATE OF THE PARTY OF	Remarks	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  ydric Soil Indicators:  Histosol (A1)  Dark Surface (S7)  Polyvalue Below Surface (S8) (MLRA 147, 148)  Black Histic (A3)  Thin Dark Surface (S9) (MLRA 147, 148)  Hydrogen Sulfide (A4)  Loamy Gleyed Matrix (F3)  Stratified Layers (A5)  Depleted Matrix (F3)  Depleted Below Dark Surface (F6)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (F7)  Sandy Mucky Mineral (S1) (LRR N, MLRA 136)  Sandy Mucky Mineral (S1) (LRR N, MLRA 136)  Sandy Redox (S5)  Sandy Medox (S5)  Stripped Matrix (S4)  Sandy Redox (S5)  Stripped Matrix (S6)  Stripped Matr	3-4	2.543/2	100					Cl			
dric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)  Depleted Matrix (F3)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A11)  Depleted Below Dark Surface (A11)  Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Stripped Matrix (S6)  Destrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present? Yes Nuck (A10) (MLRA 147, 148)  Dark Surface (S7)  Loany Gleyed Matrix (S4)  Depleted Selow Surface (S8) (MLRA 147, 148)  Loany Gleyed Matrix (F2)  Depleted Matrix (F3)  Depleted Matrix (F3)  Depleted Below Dark Surface (F6)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Loany Gleyed Matrix (S4)  Umbric Surface (F13) (MLRA 136, 122)  Piedmont Floodplain Soils (F19) (MLRA 148)  Sardy Redox (S5)  Stripped Matrix (S6)  Piedmont Floodplain Soils (F19) (MLRA 148)  Betrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present? Yes No	1-12	2.542/2	160						<u></u>		
dric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A11)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Stripped Matrix (S6)  Destrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present? Yes Nuclear (A12)  Dark Surface (S7)  Dark Surface (S8) (MLRA 147, 148)  Loamy Gleyed Matrix (S6)  Depleted Below Surface (S9) (MLRA 147, 148)  Loamy Gleyed Matrix (F2)  Depleted Matrix (F3)  Depleted Matrix (F3)  Depleted Dark Surface (F6)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Lron-Manganese Masses (F12) (LRR N, MLRA 136, 122)  Piedmont Floodplain Soils (F19) (MLRA 148)  Sandy Redox (S5)  Stripped Matrix (S6)  Destrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present? Yes No Large (P12)  No Large Matrix (P12)  No Large Matrix (P13)  Hydric Soil Present? Yes No Large (P13)  Hydric Soil Present?											
ydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histlc (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)  Depleted Below Dark Surface (A11)  Thic Dark Surface (F6)  Depleted Below Dark Surface (A12)  Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)  Sandy Redox (S5)  Sandy Redox (S5)  Stripped Matrix (S4)  Sandy Redox (S5)  Stripped Matrix (S6)  estrictive Layer (if observed):  Type:  Depth (inches):  Dark Surface (S7)  Dark Surface (S8) (MLRA 147, 148)  Loamy Gleyed Matrix (F2)  Depleted Below Surface (A12)  Redox Dark Surface (F6)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Umbric Surface (F12) (LRR N, MLRA 136, 142)  Piedmont Floodplain Soils (F19)  (MLRA 147, 148)  Very Shallow Dark Surface (TF12)  Other (Explain in Remarks)  3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.			- Intion DM	Deduced Matrix M	S-Maskad	Sand Gr		21 post	ion: PI =Pore I in	ing M=Matrix	
Histosol (A1) Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6)  Estrictive Layer (if observed): Type: Depth (inches):  Emarks:  Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Depleted Surface (S9) (MLRA 147, 148) Loamy Gleyed Matrix (F2) Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)  Other (Explain in Remarks)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Hydric Soil Present?  Yes No  Piedmont Floodplain Soil Present?  No  Province (A10) (MLRA 147, 148)  Hydric Soil Present?  Polyvalue Below Surface (S9) (MLRA 147, 148)  Coast Prairie Redox (A16) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Piedmont Floodplain Soils (F19) (MLRA 148)	ype: C=C	Indicators:	pletion, RM=	Reduced Matrix, M	5=Masked	Sand Gr	ams.	Local			
Type: Hydric Soil Present? Yes No	Histic E Black H Hydrog Stratifie 2 cm M Deplete Thick E Sandy MLR Sandy Sandy Strippe	Epipedon (A2) Histic (A3) Hen Sulfide (A4) Hed Layers (A5) Huck (A10) (LRR N) Hed Below Dark Surface Hoark Surface (A12) Hucky Mineral (S1) Hucky Mineral (S4) Hucky Matrix (S4) Hed Matrix (S6)	(LRR N,	Polyvalue Be Thin Dark St Loamy Gleyt Depleted Ma Redox Dark Depleted Da Redox Depr Iron-Mangar MLRA 13	elow Surface urface (S9) ed Matrix (I atrix (F3) Surface (F rk Surface essions (Fi nese Massi ace (F13) (	(MLRA 1 F2) (F7) 8) es (F12) (	LRR N,		Coast Prair (MLRA 1 Piedmont F (MLRA 1 Red Parent Very Shallo Other (Exp	ie Redox (A16 47, 148) iloodplain Soil 36, 147) Material (TF2 w Dark Surfa- lain in Remark	s (F19) ce (TF12) cs) egetation and be present,
emarks:											
	Depth (i	nches):						Hyd	Iric Soil Present	Yes	_ No /
	Aug	er refusal	(d) 17	inches (	Rock /	osedro	ck)				



Upland data point wrap012\_u facing north.



Upland data point wrap012\_u facing east.

restigator(s):	Strip Mine	Local re	-			
	ents, mudston	t: 38.62123 e and shale, V	lief (concave, convex, nor Long: - E ery low base	ne): Concave 30. 15618  NWI classification	Slope (%):   UG 584	
e climatic / hydrologic condition e Vegetation, Soil e Vegetation, Soil UMMARY OF FINDINGS	, or Hydrology , or Hydrology	significantly distu naturally problem	arbed? Are "Norma natic? (If needed,	l Circumstances" prese explain any answers in	ent? Yes No Remarks.)	
Hydrophytic Vegetation Present Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No No No	Is the Sampled Area within a Wetland?	Yes	No	
IVDDOLGOV						
IYDROLOGY				Secondary Indicators	s (minimum of two required)	
Wetland Hydrology Indicator		1. 11.4111.0		A SHARLOW ELECTRIC NAME OF STREET		
Primary Indicators (minimum of one is required; check all that apply)  Surface Water (A1)  True Aquatic Plants (B14)				Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8)		
Surface Water (A1)		Sparsely Vegeta	ne (R10)			
High Water Table (A2)		Hydrogen Sulfide C	odor (C1)			
Saturation (A3)			eres on Living Roots (C3)	Dry-Season Wa	iter Table (C2)	
Water Marks (B1)		Presence of Reduc	tion in Tilled Soils (C6)	Crayfish Burrov		
Sediment Deposits (B2)		Recent from Reduce			ole on Aerial Imagery (C9)	
Drift Deposits (B3)		Other (Explain in F			ssed Plants (D1)	
Algal Mat or Crust (B4)		Other (Explain in r	(emano)	Geomorphic Po		
Iron Deposits (B5) Inundation Visible on Aerica	al Imageny (B7)			Shallow Aquita		
Water-Stained Leaves (BS				Microtopograph		
Aquatic Fauna (B13)	٥,			FAC-Neutral Te	est (D5)	
Field Observations:		A THE STATE OF THE STATE OF				
Surface Water Present?	Ves V No	Depth (inches): _	2			
Water Table Present?		Depth (inches): _	P			
Saturation Present?		Depth (inches): _		d Hydrology Present?	Yes No	
(includes capillany fringe)						
Describe Recorded Data (stre	am gauge, monitori	ng well, aerial photos,	previous inspections), ii a	ivaliable.		
Remarks:						

2.50 2.50	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft. x20ft.)	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata: (B)
4	A comprehensive result of the properties outlier to have residenced	Percent of Dominant Species That Are OBL, FACW, or FAC:
6		
7		Prevalence Index worksheet:
	= Total Cover	The control of the co
50% of total cover:	20% of total cover:	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 30 ft. x 20 ft.)		FACW species x 2 =
1. none		FAC species x 3 =
2		FACU species x 4 =
3.		UPL species x 5 =
4		Column Totals: (A) (B)
5		Prevalence Index = B/A =
6		Hydrophytic Vegetation Indicators:
7	to the same the same of the same	1 - Rapid Test for Hydrophytic Vegetation
8	Land Barrier Land Company Comp	2 - Dominance Test is >50%
9.	established and Zorgania to the second floor	3 - Prevalence Index is ≤3.0¹
	= Total Cover	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover:	20% of total cover:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30 Pt. & 20 Pt.)		
1. Juncus offusus	20 Y FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2. Packera aurea	40 Y FACW	
3.		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4.	Parante de la carte del Balancia de Conserva de Conserva de Conserva de Conserva de Conserva de Conserva de Co	Definitions of Four Vegetation Strata:
5.		
6.		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
7.		more in diameter at breast height (DBH), regardless of height.
В.		
		Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
9		m) tall.
10		
11.	60 = Total Cover	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 30	20% of total cover: 12	
Woody Vine Stratum (Plot size: 30 Pt. x 20 Pt.)		Woody vine – All woody vines greater than 3.28 ft in height.
1. none		
2.		
3,		
4. The second of		III. I List-
5.	A STATE OF S	Hydrophytic Vegetation
	= Total Cover	Present? Yes No No
50% of total cover:	The Control of the Co	
Remarks: (Include photo numbers here or on a separate s		
Remarks: (include prioto numbers here of off a separate s	neet.)	

Profile Description: (Describe to the			or confirm	the absence of in	dicators.)
Depth Matrix (inches) Color (moist) %		% Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
(inches) Color (moist) %		lo c	M	CL	
				- <u>- 1                                 </u>	
		-	-		
Type: C=Concentration, D=Depletion	RM=Reduced Matrix, M		 Grains.	<sup>2</sup> Location: PL=Po	re Lining, M=Matrix.
lydric Soil Indicators:	Trim-reduced indira, iv				for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Histic Epipedon (A2)	Dark Surfac	e (S7) elow Surface (S8)	(MI RA 147		Muck (A10) (MLRA 147) Prairie Redox (A16)
Black Histic (A3)		urface (S9) (MLRA		(ML	RA 147, 148)
Hydrogen Sulfide (A4)		red Matrix (F2)			nont Floodplain Soils (F19)
_ Stratified Layers (A5)	Depleted M				-RA 136, 147)
<ul> <li>2 cm Muck (A10) (LRR N)</li> <li>Depleted Below Dark Surface (A1)</li> </ul>	Redox Dark	ark Surface (F5)		Red F	Parent Material (TF2) Shallow Dark Surface (TF12)
Depleted Below Dark Surface (AT Thick Dark Surface (A12)		ressions (F8)			(Explain in Remarks)
Sandy Mucky Mineral (S1) (LRR N	그는 그 시민 그는 그 그래요 그래 함께 하는 것이 없는 것이 없는 것이 없다면 없다면 없다고 있다.	nese Masses (F12	(LRR N.	_	(
MLRA 147, 148)	MLRA 1				
Sandy Gleyed Matrix (S4)		face (F13) (MLRA	136, 122)		ors of hydrophytic vegetation and
Sandy Redox (S5)	Piedmont F	loodplain Soils (F1	9) (MLRA 1		nd hydrology must be present,
Stripped Matrix (S6)				unles	s disturbed or problematic.
Restrictive Layer (if observed):					
Type:				Hydric Soil Pre	esent? Yes Vo
Depth (inches):				Tiyunc Son Fie	163
Remarks:					



Wetland data point wrap013e\_w facing south.



Wetland data point wrap013e\_w facing east.

Sempling Date: 3   16   16   16   16   16   16   16	roject/Site: A CP		City/0	County: Randolph	1	Sampling Date: 3/16/16
Section, Township, Range: NA   Decirity   Decir					State: WV	Sampling Point:
Indicators (hillslope, terrace, etc.): Lat: 3x 6130 Long:RO, 15617 Datum: LGS \$\frac{1}{2}\$ Letreglon (LRR or MLRA):LRRN Lat: 3x 6130	EST (R. Turnbu	11)	Secti	on, Township, Range:	NIA	
Datum: Droposition   Lat: 3%, 5130   Lat: 3%	vestigator(s).	ailistane	Local re	lief (concave, convex, no	one): concave	Slope (%): 10-15°
e climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)  e Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No we Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  UMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, et Hydrophytic Vegetation Present? Yes No Within a Wetland? Yes No Wetland Hydrology Present? Yes No Within a Wetland? Yes No Wetland Hydrology Present? Yes No Depth (inches): Yes No Wetland Hydrology Present? Yes No Depth (inches): Yes No Wetland Hydrology Present? Yes No D	indform (hillslope, terrace, etc.):	Mistope	74 /1130	Long: = \$	0.15617	Datum: WG5 84
re climatic / hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks.)  re Vegetation  Soil  or Hydrology  significantly disturbed? Are "Normal Circumstances" present? Yes  No  (if needed, explain any answers in Remarks.)  UMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, et Hydrophytic Vegetation Present? Yes  No  Is the Sampled Area within a Wetland? Yes  No  Wetland Hydrology Present? Yes  No  Surface Water Primary Indicators (minimum of one is required: check all that apply)  Surface Soil Cracks (B5)  Surface Water (A1)  True Aquatic Plants (B14)  Sparsely Vegetated Concave Surface (B8  Hydrogen Sulfice Odor (C1)  Saturation (A3)  Oxidized Rhizospheres on Living Roots (C3)  Most min Lines (B16)  Dry-Season Water Table (C2)  Sediment Deposits (B2)  Recent Iron Reduction in Tilled Soils (C6)  Saturation Visible on Aerial Imagery (C9)  Agail Mat or Crust (B4)  Other (Explain in Remarks)  Sufface Water Pasent? Yes  No  Depth (inches):  10  Sediment Deposits (B3)  Microtopographic Relief (D4)  Saturation Visible on Aerial Imagery (B7)  Saturation Present? Yes  No  Depth (inches):  10  Sediment Deposits (B3)  Microtopographic Relief (D4)  FAC-Neutral Test (D5)  Saturation Present? Yes  No  Depth (inches):  10  Sediment Deposits (B3)  Microtopographic Relief (D4)  FAC-Neutral Test (D5)  Saturation Present? Yes  No  Depth (inches):  10  Sediment Deposits (B3)  Microtopographic Relief (D4)  FAC-Neutral Test (D5)  Saturation Present? Yes  No  Depth (inches):  10  Sediment Deposits (B3)  Microtopographic Relief (D4)  Saturation Present? Yes  No  Depth (inches):  10  Sediment Deposits (B4)  Saturation Present? Yes  No  Depth (inches):  10  Sediment Deposits (B4)  Saturation Present? Yes  No  Depth (inches):  10  Sediment Deposits (B4)  Saturation Present? Yes  No  Depth (inches):  10  Sediment Deposits (B4)  Saturation Present? Yes  No  Depth (inches):  10  Sediment Deposits (B4)  Saturation Present? Yes  No  Depth (inches	ibregion (LRR or MLRA):	Lat:	20,62130	Long	All All plansifier	ation: AMA
e climatic / hydrologic conditions on the site typical for this time of year? Yes	oil Map Unit Name: Gilpin Ch	annery 511	It loam, 15-6	-5 10 slopes	NVVI classifica	allon.
e Vegetation	e climatic / hydrologic conditions on	the site typical for	or this time of year? '	Yes No	(If no, explain in Re	emarks.)
UMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, ef Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No Wetland Hydrology Present? Yes No Surface Soil Cracks (B6)  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 Hydrogen Sulfide Odor (C1) Drainage Patterns (B10)  Water Marks (B1) Presence of Reduced Iron (C4) Dry-Season Water Table (C2)  Water Marks (B1) Recent Iron Reduction in Tilled Soils (C6) Sturtation (Visible on Aerial Imagery (C9) Aguatic Fauna (B13)  In Individual Mater Table (D2) Sturted (D3) Microtopographic Relief (D4) Microtopographic Relief (D4) Microtopographic Relief (D4) FAC-Neutral Test (D5)  Field Observations:  Surface Water Resent? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth	re Vegetation, Soil, or	r Hydrology	significantly distu			
UMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, et Hydrophytic Vegetation Present?  Yes No Within a Wetland Area within a Wetland?  Wetland Hydrology Present?  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required: check all that apply)  Surface Water (A1) True Aquatic Plants (B14)  High Water Table (A2) Hydrogen Sulfide Odor (C1)  Saturation (A3) Oxidized Rhizospheres on Living Roots (C3)  Water Marks (B1) Presence of Reduced Iron (C4)  Sediment Deposits (B2) Recent Iron Reduction in Titled Soils (C5)  Drift Deposits (B3) Thin Muck Surface (C7)  Algal Mat or Crust (B4) Other (Explain in Remarks)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Water Table Present?  Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720	e Vegetation . Soil, o	r Hydrology	naturally problem	natic? (If needed,	explain any answer	rs in Remarks.)
HYDROLOGY  Wetland Hydrology Present?  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required: check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Iron Deposits (B3)  Algal Mater Fathed (A4)  Dother (Explain in Remarks)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  Presence of Reduced Iron (C4)  Drift Deposits (B3)  Algal Mater Or Stressed Plants (D1)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  Field Observations:  Surface Water Present?  Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Hydric Soil Present?  Wetland Hydrology Present?  Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required: check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Wetland (A3)  Wetland (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  In on Deposits (B3)  Algal Mat or Crust (B4)  Water-Stained Leaves (B9)  Aquatic Plants (B7)  Depth (inches):  Fersence of Reduced Iron (C4)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Water-Stained Leaves (B9)  Aquatic Plants (B1)  Depth (inches):  Sediment Deposits (B3)  Algal Mater (B4)  Water-Stained Leaves (B9)  Aquatic Plants (B1)  Depth (inches):  Sediment Deposits (B3)  Algal Mater (B4)  Water-Stained Leaves (B9)  Aquatic Plants (B1)  Depth (inches):  Sediment Deposits (B3)  Algal Mater (B4)  Water-Stained Leaves (B9)  Aquatic Plants (B4)  Depth (inches):  Sediment Deposits (B3)  Algal Mater-Stained Leaves (B9)  Aquatic Plants (B4)  Water-Stained Leaves (B9)  Aquatic Plants (B4)  Depth (inches):  Sediment Deposits (B3)  Algal Mater-Stained Leaves (B9)  Aquatic Plants (B4)  Depth (inches):  Sediment Deposits (B3)  Algal Mater-Stained Leaves (B9)  Aquatic Plants (B4)  Water-Stained Leaves (B9)  Aquatic Plants (B1)  Beach of Stress of Plants (D1)  Beach of Stress of Plants (D2)  Beach of Stress of Plants (D2)  Beach of Stress of Plants (D4)  Beach of Stress of Plants (D4)  Beach of Stress of Plants (D	Hydrophytic Vegetation Present?	Yes	No V	Is the Sampled Area		
### Wetland Hydrology Indicators:    Primary Indicators (minimum of one is required: check all that apply)	를 하고 있습니다 2. 이 : 10 전에 10 10 H 를 내용하다 있다. 10 전에 10 H 를 내용하다 이 10 H 를 받는 것이다.	Yes	_ No		Yes	_ No
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is required; check all that apply)  Surface Soil Cracks (B6)  Surface Soil Cracks (B6)  Sparsely Vegetated Concave Surface (B8 High Water Table (A2)  Hydrogen Sulfide Odor (C1)  Saturation (A3)  Water Marks (B1)  Secondary Indicators (minimum of two required)  Sparsely Vegetated Concave Surface (B8 Drainage Pattems (B10)  Moss Trim Lines (B16)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Secolment Deposits (B2)  In Presence of Reduced Iron (C4)  Secolment Deposits (B3)  Thin Muck Surface (C7)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  Field Observations:  Surface Water Present?  Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Depth (inches): 720  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections). If available:	[18] F. (18] 이렇게 되었다면서 하게 하게 되었다면요요 하는데, 그리스 (18) Hard (18) Hard (18)	Yes	_ No			
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)         Crayfish Burrows (C8)       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:       Ves       No       Depth (inches): 72.0       Wetland Hydrology Present? Yes       No         Saturation Present?       Yes       No       Depth (inches): 72.0       Wetland Hydrology Present? Yes       No         Saturation Present?       Yes       No       Depth (inches): 72.0	ANDBOLOGA					
Primary Indicators (minimum of one is required: check all that apply)  Surface Soil Cracks (B6)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  No  Depth (inches):  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Surface Soil Cracks (B6)  Sparsely Vegetated Concave Surface (B8  Drainage Pattems (B10)  Moss Trim Lines (B16)  D					Secondary Indica	ators (minimum of two required)
Surface Water (A1)	Wetland Hydrology Indicators:	is required; abo	ok all that apply)		THE RESIDENCE OF THE PROPERTY OF THE PARTY.	
Sollated Water Table (A2)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  Field Observations:  Surface Water Table (Pesent? Yes No Depth (inches): 720  Method Again Aga			True Aquetic Plante	(R14)	Sparsely Ve	getated Concave Surface (B8)
Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  Field Observations:  Surface Water Present?  Water Table Present?  Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Yes No Depth (inches): Yes No Depth (inches): Yes No Depth (inches):	# <del>************************************</del>		Hydrogen Sulfide C	Odor (C1)		
Water Marks (B1)	·		Oxidized Rhizosph	eres on Living Roots (C:		
Sediment Deposits (B2)	·		Presence of Reduc	ced Iron (C4)	Dry-Season	Water Table (C2)
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) Shallow Aquitard (D3) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Stunted or Stressed Plants (D1) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Stunted or Stressed Plants (D1) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Vater Table Present?	아들이 들어 이번 열 마리에서 일반 점점 경험에 열어가 있다면 했다. 그는 그리아 시민지 그 때에 있는 모든 다른 사람이 없다.		Recent Iron Reduc	tion in Tilled Soils (C6)		
Algal Mat of Cross (B4)	그래 그 나는 사람들이 가는 아니는 이 경에 되어 되었다. 그 사람들이 되었다면 하는 것이 없는 것이었다면 없는 것이 없는 것이 없는 것이었다면 없는 없었다면 없는 없었다면 없는 것이었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없				- CONTROL SECTION - SECTIO	
Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Aquatic Fauna (B13)  Field Observations:  Surface Water Present?  Water Table Present?  Yes No Depth (inches): > 7.0  Saturation Present?  Yes No Depth (inches): > 7.0  Wetland Hydrology Present? Yes No Depth (inches): > 7.0  Wetland Hydrology Present? Yes No Depth (inches): > 7.0  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections). if available:	H <del></del>		Other (Explain in F	Remarks)		
Water-Stained Leaves (B9) Aquatic Fauna (B13)  Field Observations:  Surface Water Present?  Water Table Present?  Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Depth (inches): Zo Wetland Hydrology Present? Yes No Zo Yes Yes No Zo Yes Yes No Zo Yes _					Shallow Ag	uitard (D3)
Aquatic Fauna (B13)  Field Observations:  Surface Water Present? Yes No Depth (inches): Zo Water Table Present? Yes No Depth (inches): Zo Water Table Present? Yes No Depth (inches): Zo Watland Hydrology Present? Yes No Depth (inches): Zo No Zo Yes No Zo Yes No Zo Yes No Zo Yes		agery (B7)			Microtopog	raphic Relief (D4)
Field Observations:  Surface Water Present? Yes No Depth (inches): Value Table Present? Yes No Depth (inches): 726  Saturation Present? Yes No Depth (inches): 720  Wetland Hydrology Present? Yes No Previous Inspections Inspection Insp						
Surface Water Present? Yes No Depth (inches): No De	The state of the s					
Water Table Present? Yes No Depth (inches): >76 Saturation Present? Yes No Depth (inches): >720 Wetland Hydrology Present? Yes No Depth (inches): >720 Uncludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		s No V	Depth (inches):	NA		
Saturation Present? Yes No Depth (inches): 720 Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:				>20		
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					nd Hydrology Pres	ent? Yes No
Remarks:	(includes capillary fringe)				available:	
Relians	Domarks:					
	Remarks.					
: [45] [43] [45] [45] [45] [45] [45] [45] [45] [45						
4 - BROND - B						

ree Stratum (Plot size: 30 fd. x 30 ft.)  Fagns grandifolia  Acer saccharum  50% of total cover: 40	60 20		FACU FACU	Number of Dominant Species That Are OBL, FACW, or FAC:  Total Number of Dominant Species Across All Strata:  (A)
Acer saccharum  50% of total cover: 40	7.0		-	Total Number of Dominant
50% of total cover: 40			HACA	
50% of total cover: 40	TO AN OF THE SECOND			Species Across All Strata:
50% of total cover: 40	TO AN OF THE SECOND			
50% of total cover: 40				Percent of Dominant Species That Are OBL FACW or FAC: 25 (A/B)
50% of total cover: 40				That Are OBL, FACW, or FAC: (A/B)
50% of total cover: 40				Prevalence Index worksheet:
10   12 P 20   1	80	= Total Cov	er	Total % Cover of: Multiply by:
	20% of	total cover:	16_	OBL species x 1 =
apling/Shrub Stratum (Plot size: 34 Pt. x 30 Ft.)				FACW species x 2 = FAC species x 3 =
Fagus grandifolia	_30		VACU	A SECOND CONTRACTOR OF THE PROPERTY OF THE PRO
				FACU species
				Column Totals: 115 (A) 455 (B)
			1 (2) (3) A (4) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	
				Prevalence Index = B/A = 3,96
				Hydrophytic Vegetation Indicators:
			-	1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
	30	= Total Cov	er er	3 - Prevalence Index is ≤3.0¹
50% of total cover: 15		total cover:	ACTUAL VALUE OF THE PARTY OF THE PARTY.	4 - Morphological Adaptations (Provide supporting
700.700				data in Remarks or on a separate sheet)
Athyrium asplenioides	5	Y	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
			-	Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
Section 1997 The Company of the Comp	20000000		-	more in diameter at breast height (DBH), regardless of
			-	height.
				Sapling/Shrub - Woody plants, excluding vines, less
	120 Miles (200 E		-	than 3 in. DBH and greater than or equal to 3.28 ft (1
		The second second		m) tall.
				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 2.4		= Total Cov		
oody Vine Stratum (Plot size: 30ft, × 30ft)	20/001	total cover.		Woody vine – All woody vines greater than 3.28 ft in
none				height.
		1. * (10° 18° 19° 19° 19° 19° 19° 19° 19° 19° 19° 19		
CONTRACTOR OF THE SECOND STATE OF THE SECOND S	SANTER PROPERTY.		10077.08	
				Illustration to
				Hydrophytic Vegetation
	0	= Total Cov	er	Present? Yes No No
50% of total cover:	20% of	total cover:		

US Army Corps of Engineers

eom	Matrix		Redo	x Features					
epth nches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc²	Text	ure Remarks	
0-4	wur 3/2	100					CI		
4-20	104R4/4	100							
Type: C=C	oncentration D=De			S=Masked	Sand Gra	ains.	²I ocati	on: PL=Pore Lining, M=Matrix.	
	Indicators:	pietion, raw-	-Neduced Matrix, IV	J-Washea	Caria Cit		Locati	Indicators for Problematic Hyd	ric Soils <sup>3</sup> :
Black H Hydrog Stratifie 2 cm M Deplete Thick D Sandy I MLR Sandy Strippe	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) uck (A10) (LRR N) ed Below Dark Surfacerk Surface (A12) Mucky Mineral (S1) A 147, 148) Gleyed Matrix (S4) Redox (S5) d Matrix (S6)	(LRR N,	Dark Surface Polyvalue Be Thin Dark Su Loamy Gleye Depleted Ma Redox Dark Depleted Da Redox Depre Iron-Mangar MLRA 13 Umbric Surfa Piedmont Fl	elow Surface urface (S9) ed Matrix (I trix (F3) Surface (F rk Surface essions (FI esse Massi (F1) ace (F13) (	(MLRA 1 F2) 6) (F7) 8) es (F12) (	47, 148) LRR N, 6, 122)		2 cm Muck (A10) (MLRA 14 Coast Prairie Redox (A16) (MLRA 147, 148) Piedmont Floodplain Soils ( (MLRA 136, 147) Red Parent Material (TF2) Very Shallow Dark Surface Other (Explain in Remarks)  3Indicators of hydrophytic veg wetland hydrology must be unless disturbed or problem	F19) (TF12) etation and present,
estrictive	Layer (if observed	1):							
								ric Soil Present? Yes	No V
Depth (iii Remarks:	nches):				The state of the s		Пуц	iic Son Fresent Fres	110
-						No.			

## Environmental Field Surveys Wetland Photo Page



Upland data point wrap013\_u facing west.



Upland data point wrap013\_u facing north.

Photo Sheet 2 of 2

Project/Site: Atlantic Coast Pipe	line	y	Sampling Date: 7/15/2016				
Applicant/Owner: Dominion			State: WV	Sampling Point: wrae282e_w			
Investigator(s): CG, JM							
Landform (hillslope, terrace, etc.		Secti Local re					
Subregion (LRR or MLRA): N							
Soil Map Unit Name: Gilpin char	nery silt loam, 3	3 to 15 percent slopes		NWI classific	eation: PEM		
Are climatic / hydrologic condition	ns on the site typ	pical for this time of year? `	Yes No	(If no, explain in R	emarks.)		
Are Vegetation, Soil	, or Hydrolog	y significantly distu	rbed? Are "Norma	l Circumstances" ¡	present? Yes No		
Are Vegetation, Soil							
					, important features, etc.		
Hydrophytic Vegetation Presen							
Hydric Soil Present?	Yes	✓ No ✓ No	Is the Sampled Area	Vac V	No		
Wetland Hydrology Present?		✓ No	within a Wetland?	res	NO		
HYDROLOGY							
Wetland Hydrology Indicator				•	ators (minimum of two required)		
Primary Indicators (minimum of	one is required			Surface Soil			
Surface Water (A1)		True Aquatic Plants			getated Concave Surface (B8)		
High Water Table (A2)		Hydrogen Sulfide Od		<u>✓</u> Drainage Pa			
Saturation (A3)		Oxidized Rhizosphe		Moss Trim L	` '		
Water Marks (B1) Sediment Deposits (B2)		Presence of Reduce Recent Iron Reduction		Dry-Season Water Table (C2)  Crayfish Burrows (C8)			
Sediment Deposits (B2) Drift Deposits (B3)		Thin Muck Surface (		-	isible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)		Other (Explain in Re			tressed Plants (D1)		
Iron Deposits (B5)		<u> </u>		Geomorphic Position (D2)			
Inundation Visible on Aeria	l Imagery (B7)			Shallow Aquitard (D3)			
Water-Stained Leaves (B9	)			Microtopographic Relief (D4)			
Aquatic Fauna (B13)				FAC-Neutral Test (D5)			
Field Observations:							
Surface Water Present?		Depth (inches):	2				
Water Table Present?	Yes No	Depth (inches):	0				
Saturation Present?	Yes V	Depth (inches):	0 Wetland I	Hydrology Preser	nt? Yes No		
(includes capillary fringe)  Describe Recorded Data (streat	m gauge, monit	oring well, aerial photos, pro	 evious inspections), if ava	ailable:			
Remarks:							

		Absolute	Dominant	Indicator	Dominance Test worksheet:		
ree Stratum (Plot size: none	30)		Species?		Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
·					Total Number of Dominant Species Across All Strata:	1	(B)
- <u></u>					Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/E
							(702
					Prevalence Index worksheet:		
		0	= Total Cove	er	1 -	lultiply by:	
	50% of total cover:	0 20% of	total cover:	0	OBL species 100 x 1 = 25		
sapling/Shrub Stratum (Plot size none	e:)	0			FACW species x 2 = FAC species x 3 =		
					FACU species0 x 4 =	0	
					UPL species 0 x 5 =	0	
\ <u></u>					Column Totals: 125 (A)	150	(B
i					Prevalence Index = B/A =	1.2	
S		<u> </u>			Hydrophytic Vegetation Indicators	 s:	
		<u> </u>			1 - Rapid Test for Hydrophytic \		
J					2 - Dominance Test is >50%	ogotation	
					3 - Prevalence Index is ≤3.0 <sup>1</sup>		
		0	= Total Cove		4 - Morphological Adaptations <sup>1</sup>	(Provide supp	ortir
	50% of total cover:	0 20% of	total cover:	0	data in Remarks or on a sep		Ortil
Herb Stratum (Plot size:	5 )				-		- \
. Scirpus atrovirens		100	Yes	OBL	Problematic Hydrophytic Vegeta	ation (Explain	1)
Impatiens capensis		15	No	FACW	1		
3. Carex scoparia		10	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland be present, unless disturbed or prob		ust
ł. <u> </u>					Definitions of Four Vegetation Str		
j					_		
S					Tree – Woody plants, excluding vine		
7.					more in diameter at breast height (D height.	BH), regardles	SS C
3.							
). ).					Sapling/Shrub – Woody plants, exc	luding vines, I	less
0					than 3 in. DBH and greater than or embedding that m) tall.	iqual to 3.26 II	ι (1
1.					,		
		125	T-1-1-0		Herb – All herbaceous (non-woody) of size, and woody plants less than 3		dles
	50% of total cover:		= Total Cover:		or size, and woody plants less than s	3.20 II lall.	
Voody Vine Stratum (Plot size:	00	20 /0 01	total cover.		Woody vine – All woody vines great	ter than 3.28 f	ft in
none (Plot Size.		0			height.		
•							
<u> </u>							
3		<del></del>					
l,					Hydrophytic		
j					Vegetation		
			= Total Cove	_	Present? Yes N	No	
			total cover:				
Remarks: (Include photo numbe	ers here or on a separat	te sheet.)					

Depth	Matrix			x Features			_	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16	10YR 5/1	90	10YR 5/8	10	C	PL/M	CL	
						·		
	-							-
						·		
Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Masked	Sand Gr	ains.	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:							ators for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be	, ,	e (S8) <b>(N</b>	ILRA 147,		Coast Prairie Redox (A16)
	istic (A3)		Thin Dark Su		. , .		,	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye				Р	Piedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Mat		,		<del></del>	(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark S		6)		V	'ery Shallow Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Dar	k Surface	(F7)		<u> </u>	Other (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depre	ssions (F8	3)			
Sandy N	Mucky Mineral (S1) (L	RR N,	Iron-Mangane	ese Masse	s (F12) (	LRR N,		
	A 147, 148)		MLRA 130					
Sandy G	Gleyed Matrix (S4)		Umbric Surfa	ce (F13) (I	MLRA 13	6, 122)	<sup>3</sup> Ind	licators of hydrophytic vegetation and
Sandy F	Redox (S5)		Piedmont Flo	odplain So	oils (F19)	(MLRA 14	<b>8)</b> we	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent M	1aterial (F2	21) <b>(MLR</b>	A 127, 147	') un	less disturbed or problematic.
Restrictive	Layer (if observed):							
Type:								
	ches):						Hydric Soil	Present? Yes No
Remarks:							1.7	
veillains.								



Wetland data point wrae282e\_w facing east



Wetland data point wrae282e\_w facing north

Project/Site: Atlantic Coast Pipe	line	y	Sampling Date: 7/15/2016					
Applicant/Owner: Dominion			_ State: WV	Sampling Point: wrae282s_w				
Investigator(s): CG, JM		Sect						
Landform (hillslope, terrace, etc.								
Subregion (LRR or MLRA): N								
Soil Map Unit Name: Gilpin char	nnery silt loam, 3	3 to 15 percent slopes		NWI classific	cation: PSS			
Are climatic / hydrologic condition								
Are Vegetation, Soil	, or Hydrolog	gy significantly distu	irbed? Are "Norma	l Circumstances"	present? Yes No			
Are Vegetation, Soil								
					s, important features, etc.			
Hydrophytic Vegetation Preser	nt? Yes _							
Hydric Soil Present?	Yes	✓ No	Is the Sampled Area within a Wetland?	Yes V	No			
Wetland Hydrology Present?		<b>✓</b> No	within a wetiant:	165				
LIVEDOL COV								
HYDROLOGY								
Wetland Hydrology Indicator				Secondary Indicators (minimum of two required)				
Primary Indicators (minimum o	f one is required		(7.4)	Surface Soil				
Surface Water (A1)		True Aquatic Plants			getated Concave Surface (B8)			
High Water Table (A2) Saturation (A3)		Hydrogen Sulfide Oo	res on Living Roots (C3)	✓ Drainage Pa Moss Trim L				
Water Marks (B1)		Presence of Reduce		· ——	Water Table (C2)			
Sediment Deposits (B2)		Recent Iron Reduction		Crayfish Bur				
Drift Deposits (B3)		Thin Muck Surface (		-	isible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)		Other (Explain in Re	emarks)	Stunted or S	Stressed Plants (D1)			
Iron Deposits (B5)				Geomorphic Position (D2)				
Inundation Visible on Aeria	• • • •			Shallow Aquitard (D3)				
Water-Stained Leaves (B9	))			Microtopographic Relief (D4)				
Aquatic Fauna (B13)			·	FAC-Neutral	Test (D5)			
Field Observations:		<b>5</b>	1					
Surface Water Present?		Depth (inches):	0					
Water Table Present?		Depth (inches):		la de la con Desarra	-10 V V N-			
Saturation Present? (includes capillary fringe)	Yes _ NO	Depth (inches):	wetiand i	Hydrology Presei	nt? Yes V No			
Describe Recorded Data (stream	am gauge, monite	oring well, aerial photos, pr	evious inspections), if ava	ailable:				
Damada								
Remarks:								

Sampling P	oint: wrae282s_w
------------	------------------

00	Absolute	Dominant I		Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover 0	Species?	Status	Number of Dominant Species
1. none				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4		<u> </u>		、,
5				Percent of Dominant Species That Are OBL FACW or FAC: 66.6666666 (A/R)
				That Are OBL, FACW, or FAC: 66.6666666 (A/B)
6				Prevalence Index worksheet:
ſ. <u> </u>	0			Total % Cover of: Multiply by:
0		= Total Cove	er O	OBL species140 x 1 =140
50% of total cover: 0	20% of	total cover:_		15
Sapiing/Snrub Stratum (Plot size:)				FACW species
1. Salix sericea	70	Yes	OBL	FAC species X3 = 00
2. Rosa multiflora	20	Yes	FACU	FACU species x 4 =
3. Elaeagnus umbellata	10	No		UPL species x 5 =
4				Column Totals:175 (A)250 (B)
				Prevalence Index = B/A =1.42
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
	100	= Total Cove		4 - Morphological Adaptations <sup>1</sup> (Provide supporting
50% of total cover: 50	20% of	total cover:_	20	
Herb Stratum (Plot size:)				data in Remarks or on a separate sheet)
1. Leersia oryzoides	60	Yes	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2. Impatiens capensis	15	No	FACW	
3. Scirpus atrovirens	10	No	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3. <u></u>				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.
8				Senting/Shrub Weedy plants evaluding vines less
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.				
	85	= Total Cove		Herb – All herbaceous (non-woody) plants, regardless 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 )	2070 01	total oover		Woody vine – All woody vines greater than 3.28 ft in
1. none	0			height.
2				
3				
4				Hydrophytic
5				Vegetation
	0	= Total Cove	er	Present? Yes No No
50% of total cover:0		total cover:_	^	
Remarks: (Include photo numbers here or on a separate s	heet.)			
(menus prote numbers ners or on a separate of	,			

	cription: (Describe t	o the de				or confirm	the absence	e of indicators.)
Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	x Feature: %	s Type <sup>1</sup>	Loc²	Texture	Remarks
0-12	10YR 5/1	90	10YR 5/8	10	C	M	SCL	Remarks
			·				•	
			·					
					-			
								-
							•	
							-	
	Concentration, D=Deple	etion, RM	1=Reduced Matrix, MS	S=Masked	Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indio	cators for Problematic Hydric Soils <sup>3</sup> :
Histoso	l (A1)		Dark Surface	e (S7)				2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ce (S8) <b>(N</b>	MLRA 147,		Coast Prairie Redox (A16)
	listic (A3)		Thin Dark Su				<u></u>	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			•		Piedmont Floodplain Soils (F19)
Stratifie	d Layers (A5)		✓ Depleted Ma	trix (F3)				(MLRA 136, 147)
2 cm M	uck (A10) (LRR N)		Redox Dark	Surface (F	<sup>-</sup> 6)		·	Very Shallow Dark Surface (TF12)
Deplete	d Below Dark Surface	(A11)	Depleted Dar	rk Surface	(F7)			Other (Explain in Remarks)
Thick D	ark Surface (A12)		Redox Depre	essions (F	8)			
Sandy I	Mucky Mineral (S1) (L	RR N,	Iron-Mangan	ese Mass	es (F12) <b>(</b>	(LRR N,		
MLR	A 147, 148)		MLRA 13	6)				
Sandy (	Gleyed Matrix (S4)		Umbric Surfa	ce (F13) (	MLRA 13	36, 122)	<sup>3</sup> In	dicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	<b>8)</b> w	retland hydrology must be present,
Strippe	d Matrix (S6)		Red Parent N	Material (F	21) <b>(MLR</b>	A 127, 147	<b>7)</b> u	nless disturbed or problematic.
Restrictive	Layer (if observed):							
Type: ro	ck							
Depth (in	nches): 12						Hydric So	il Present? Yes V No No
Remarks:							11,	
	I at 12 inches.							
uger rerusa	rat 12 mones.							



Wetland data point wrae282s\_w facing northeast



Wetland data point wrae282s\_w facing northwest

Project/Site: Atlantic Coast Pipeline		City/	County: Randolph County	/	Sampling Date: 7/15/2016			
Applicant/Owner: Dominion			State: WV Sampling Point: wrae282_u					
				hip, Range: No PLSS in this area				
Landform (hillslope, terrace, etc.): road					Slope (%):2			
Subregion (LRR or MLRA): N					Datum: WGS 1984			
Soil Map Unit Name: Gilpin channery silt	loam, 3 to 15	percent slopes	Long	NWI classific	cation: UPL			
Are climatic / hydrologic conditions on the								
Are Vegetation, Soil, or H	ydrology	significantly distu	urbed? Are "Normal	Circumstances" p	present? Yes No			
Are Vegetation, Soil, or H								
SUMMARY OF FINDINGS – Att								
Hydrophytic Vegetation Present?								
Hydric Soil Present?	Yes Yes	No	Is the Sampled Area	Vaa	No 🗸			
Wetland Hydrology Present?	Yes		within a Wetland?	res	NO			
HYDROLOGY								
Wetland Hydrology Indicators:				Secondary Indica	ators (minimum of two required)			
Primary Indicators (minimum of one is re	equired; chec	ck all that apply)		Surface Soil	Cracks (B6)			
Surface Water (A1)		True Aquatic Plants			getated Concave Surface (B8)			
High Water Table (A2)		Hydrogen Sulfide O		Drainage Pa				
Saturation (A3)			• , ,					
Water Marks (B1)		Presence of Reduce		Dry-Season Water Table (C2)				
Sediment Deposits (B2)			ion in Tilled Soils (C6)					
Drift Deposits (B3) Algal Mat or Crust (B4)		Thin Muck Surface of Other (Explain in Re		Saturation Visible on Aerial Imagery (C9)				
Iron Deposits (B5)		Other (Explain in Re	emarks)	Stunted or Stressed Plants (D1) Geomorphic Position (D2)				
Inundation Visible on Aerial Imager	v (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 (includes capillary fringe)	No	_ Depth (inches):	Wetland F	Wetland Hydrology Present? Yes No				
Describe Recorded Data (stream gauge	, monitoring v	well, aerial photos, pr	revious inspections), if ava	ilable:				
Remarks:								
Gravel road								

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

20				Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Number of Dominant Species	0	
1. none				That Are OBL, FACW, or FAC:	0	(A)
2				Total Number of Dominant		
3				Species Across All Strata:	0	(B)
4						` '
				Percent of Dominant Species	0	
5				That Are OBL, FACW, or FAC:	0	(A/B)
6				Prevalence Index worksheet:		
7					Maritim Ira hara	
		= Total Cove		Total % Cover of:		
50% of total cover:0	20% of	total cover:_	0	OBL species x	1 =	_
Sapling/Shrub Stratum (Plot size: 15				FACW species x 2	2 =	_
1. none	0			FAC species x 3	3 =	_
				FACU species x 4	4 =	
2				UPL species x :		
3						
4				Column Totals: (A)	)	_ (D)
5				Prevalence Index = B/A =		
6						_
7				Hydrophytic Vegetation Indicat		
				1 - Rapid Test for Hydrophyt		
8				2 - Dominance Test is >50%	,	
9	^			3 - Prevalence Index is ≤3.0 <sup>1</sup>	1	
0		= Total Cove		4 - Morphological Adaptation	ns <sup>1</sup> (Provide sup	porting
50% of total cover: 0	20% of	total cover:_		data in Remarks or on a s		
Herb Stratum (Plot size:5				Problematic Hydrophytic Veg	. ,	n)
1. none	0			Problematic Hydrophytic veg	jetation (⊏xpiai	11)
2						
3				<sup>1</sup> Indicators of hydric soil and wetl		nust
				be present, unless disturbed or p		
4				Definitions of Four Vegetation	Strata:	
5				Tree – Woody plants, excluding v	vines. 3 in. (7.6	cm) or
6				more in diameter at breast height		
7				height.		
8				Sapling/Shrub – Woody plants,	excluding vines	less
9				than 3 in. DBH and greater than o		
10				m) tall.		
11.				Herb – All herbaceous (non-wood	du) planta raga	dloog
	0	= Total Cove	r	of size, and woody plants less that		uless
50% of total cover:		total cover:_				
Woody Vine Stratum (Plot size: 30 )		_		Woody vine – All woody vines g	reater than 3.28	ft in
1. none	0			height.	_	
2						
3						
4				Hydrophytic		
5				Vegetation		
	0	= Total Cove	er	Present? Yes	No	
50% of total cover:0	20% of	total cover:_	0			
Remarks: (Include photo numbers here or on a separate sl	heet.)					
Gravel road	,					

	ription: (Describe t	o the depth				or confirm	the absen	ce of indicat	tors.)		
Depth	Matrix		Redo	x Features	S _ 1	. 2			_		
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>		Remar	KS	
			-					_			
		·									
1							2				
	ncentration, D=Deple	etion, RM=Re	educed Matrix, MS	S=Masked	Sand Gra	ains.		PL=Pore Lir			3
Hydric Soil I	ndicators:						Ind	licators for F	Problematic	: Hydric Sc	oils":
Histosol	(A1)		Dark Surface	(S7)				2 cm Muck	(A10) (MLR	A 147)	
Histic Ep	ipedon (A2)		Polyvalue Be	low Surfac	ce (S8) <b>(N</b>	ILRA 147,	148)	Coast Prairi	ie Redox (A	16)	
Black His	stic (A3)		Thin Dark Su	rface (S9)	(MLRA 1	47, 148)		(MLRA 1	47, 148)		
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix (	F2)			Piedmont F	loodplain Sc	oils (F19)	
	Layers (A5)		Depleted Ma	rix (F3)				(MLRA 1	36, 147)		
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface (F	6)			Very Shallo	w Dark Surf	ace (TF12)	)
Depleted	Below Dark Surface	(A11)	Depleted Dar	k Surface	(F7)			Other (Expl	ain in Rema	rks)	
Thick Da	rk Surface (A12)		Redox Depre	ssions (F	3)						
Sandy M	ucky Mineral (S1) (L	RR N,	Iron-Mangan	ese Masse	es (F12) <b>(</b> I	LRR N,					
	147, 148)		MLRA 13		. , ,						
	leyed Matrix (S4)		Umbric Surfa	-	MLRA 13	6, 122)	3	Indicators of I	hydrophytic	vegetation	and
	edox (S5)	•	Piedmont Flo					wetland hydr		-	
	Matrix (S6)	•	Red Parent N					unless distur			
	ayer (if observed):				, (		<u>′</u>				
Type:			_				l <sub>-</sub>		.,		~
Depth (inc	hes):		_				Hydric S	oil Present?	Yes	No_	<u> </u>
Remarks:											
gravel road											



Upland data point wrae282\_u facing southeast



Upland data point wrae282\_u facing north

Project/Site: Atlantic Coast Pipe	line	City/0	County: Randolph County	y	Sampling Date: 7/15/2016			
Applicant/Owner: Dominion				State: WV	Sampling Point: wrae282e_w			
Investigator(s): CG, JM		Secti						
Landform (hillslope, terrace, etc.								
Subregion (LRR or MLRA): N								
Soil Map Unit Name: Gilpin char	nery silt loam, 3	3 to 15 percent slopes		NWI classific	eation: PEM			
Are climatic / hydrologic condition	ns on the site typ	pical for this time of year? `	Yes No	(If no, explain in R	emarks.)			
Are Vegetation, Soil	, or Hydrolog	y significantly distu	rbed? Are "Norma	l Circumstances" ¡	present? Yes No			
Are Vegetation, Soil								
					, important features, etc.			
Hydrophytic Vegetation Presen	t? Yes	<b>✓</b> No						
Hydric Soil Present?	Yes	No	Is the Sampled Area	Vac V	No			
Wetland Hydrology Present?		✓ No	within a Wetland?	res	NO			
HYDROLOGY								
Wetland Hydrology Indicator				•	ators (minimum of two required)			
Primary Indicators (minimum of	one is required			Surface Soil Cracks (B6)				
Surface Water (A1)		True Aquatic Plants			getated Concave Surface (B8)			
High Water Table (A2)		Hydrogen Sulfide Od		<u>✓</u> Drainage Pa				
Saturation (A3)		Oxidized Rhizosphe		Moss Trim L	` '			
Water Marks (B1) Sediment Deposits (B2)		Presence of Reduce Recent Iron Reduction		Dry-Season Water Table (C2) (C6) Crayfish Burrows (C8)				
Sediment Deposits (B2) Drift Deposits (B3)		Thin Muck Surface (		-	isible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)		Other (Explain in Re			tressed Plants (D1)			
Iron Deposits (B5)		<u> </u>		· · · · · · · · · · · · · · · · · · ·	Position (D2)			
Inundation Visible on Aeria	l Imagery (B7)			Shallow Aqu	` '			
Water-Stained Leaves (B9	)				aphic Relief (D4)			
Aquatic Fauna (B13)				FAC-Neutral	Test (D5)			
Field Observations:								
Surface Water Present?		Depth (inches):	2					
Water Table Present?	Yes No	Depth (inches):	0					
Saturation Present?	Yes V	Depth (inches):	0 Wetland I	Hydrology Preser	nt? Yes No			
(includes capillary fringe)  Describe Recorded Data (streat	m gauge, monit	oring well, aerial photos, pro	 evious inspections), if ava	ailable:				
Remarks:								

### ٧

20	Absolute	Dominant		Dominance Test worksheet:	
ree Stratum (Plot size: 30 none	% Cover 0	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	<u> </u>
				Total Number of Dominant Species Across All Strata:	1 (E
				Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A
				Prevalence Index worksheet:	And Cale to the c
		= Total Cove	_	100	<u>Multiply by:</u> 100
15	0 20% of	total cover:	0	OBL species X T =	
apiing/Snrub Stratum (Plot size:)	•			FACW species x 2 =	
none	0	·		FAC species	
				FACU species X 4 =	
				UPL species x 5 =	150
				Column Totals:(A)	
				Prevalence Index = B/A =	1.2
				Hydrophytic Vegetation Indicators	
				1 - Rapid Test for Hydrophytic \	
				2 - Dominance Test is >50%	regetation
				✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>	
	0	= Total Cove	er		(Drovido ouma
50% of total cover:	20% of	total cover:	0	4 - Morphological Adaptations <sup>1</sup>	
lerb Stratum (Plot size:)				data in Remarks or on a sep	
Scirpus atrovirens	100	Yes	OBL	Problematic Hydrophytic Vegeta	ation (Explain)
Impatiens capensis	15	No	FACW	4	
Carex scoparia	10	No	FACW	<sup>1</sup> Indicators of hydric soil and wetland be present, unless disturbed or prob	
				Definitions of Four Vegetation Str	
				Definitions of Four Vegetation Str	ala.
				Tree - Woody plants, excluding vine	
				more in diameter at breast height (D height.	BH), regardless
				Tieight.	
				Sapling/Shrub – Woody plants, exc	
				than 3 in. DBH and greater than or 6 m) tall.	equal to 3.28 ft
0 1.					
1	125	T-1-1-0		Herb – All herbaceous (non-woody) of size, and woody plants less than	
50% of total cover: 62		= Total Cover:		or size, and woody plants less than	3.26 II lall.
0070 01 total 00101:	20 /6 01	iolai covei.		Woody vine - All woody vines grea	ter than 3.28 ft
Voody Vine Stratum (Plot size:30) none	0			height.	
		<del></del>			
		· <del></del>		Hydrophytic	
·				Vegetation Present? Yes N	VI =
,		= Total Cove	_	Present? Yes	No
50% of total cover:		total cover:			
Remarks: (Include photo numbers here or on a separate	sheet.)				

Depth	Matrix			x Features			_	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16	10YR 5/1	90	10YR 5/8	10	C	PL/M	CL	
						·		
	-							-
						·		
Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Masked	Sand Gr	ains.	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:							ators for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be	, ,	e (S8) <b>(N</b>	ILRA 147,		Coast Prairie Redox (A16)
	istic (A3)		Thin Dark Su		. , .		,	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye				Р	Piedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Mat		,		<del></del>	(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark S		6)		V	'ery Shallow Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Dar	k Surface	(F7)		<u> </u>	Other (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depre	ssions (F8	3)			
Sandy N	Mucky Mineral (S1) (L	RR N,	Iron-Mangane	ese Masse	s (F12) (	LRR N,		
	A 147, 148)		MLRA 130					
Sandy G	Gleyed Matrix (S4)		Umbric Surfa	ce (F13) (I	MLRA 13	6, 122)	<sup>3</sup> Ind	licators of hydrophytic vegetation and
Sandy F	Redox (S5)		Piedmont Flo	odplain So	oils (F19)	(MLRA 14	<b>8)</b> we	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent M	1aterial (F2	21) <b>(MLR</b>	A 127, 147	') un	less disturbed or problematic.
Restrictive	Layer (if observed):							
Type:								
	ches):						Hydric Soil	Present? Yes No
Remarks:							1.7	
veillains.								



Wetland data point wrae282e\_w facing east



Wetland data point wrae282e\_w facing north

Project/Site: Atlantic Coast Pipe	line	City/0	County: Randolph Count	y	Sampling Date: 7/15/2016			
Applicant/Owner: Dominion				_ State: WV	Sampling Point: wrae282s_w			
Investigator(s): CG, JM		Sect						
Landform (hillslope, terrace, etc.								
Subregion (LRR or MLRA): N								
Soil Map Unit Name: Gilpin char	nnery silt loam, 3	3 to 15 percent slopes		NWI classific	cation: PSS			
Are climatic / hydrologic condition								
Are Vegetation, Soil	, or Hydrolog	gy significantly distu	irbed? Are "Norma	l Circumstances"	present? Yes No			
Are Vegetation, Soil								
					s, important features, etc.			
Hydrophytic Vegetation Preser	nt? Yes	✓ No						
Hydric Soil Present?	Yes	✓ No	Is the Sampled Area within a Wetland?	Yes V	No			
Wetland Hydrology Present?		<b>✓</b> No	within a wetiant:	165				
LIVEDOL COV								
HYDROLOGY								
Wetland Hydrology Indicator				Secondary Indicators (minimum of two required)				
Primary Indicators (minimum o	f one is required		(7.4)	Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8)				
Surface Water (A1)		True Aquatic Plants						
High Water Table (A2) Saturation (A3)		Hydrogen Sulfide Oo	res on Living Roots (C3)	✓ Drainage Pa _ Moss Trim L				
Water Marks (B1)		Presence of Reduce		· ——	` '			
Sediment Deposits (B2)		Recent Iron Reduction		Dry-Season Water Table (C2)  Is (C6) Crayfish Burrows (C8)				
Drift Deposits (B3)		Thin Muck Surface (		-	isible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)		Other (Explain in Re	emarks)	Stunted or S	Stressed Plants (D1)			
Iron Deposits (B5)				Geomorphic	Position (D2)			
Inundation Visible on Aeria	• • • •			Shallow Aqu	iitard (D3)			
Water-Stained Leaves (B9	))				aphic Relief (D4)			
Aquatic Fauna (B13)			·	FAC-Neutral	Test (D5)			
Field Observations:		<b>5</b>	1					
Surface Water Present?		Depth (inches):	0					
Water Table Present?		Depth (inches):		li de la mar	-10 V V N-			
Saturation Present? (includes capillary fringe)	Yes _ NO	Depth (inches):	wetiand i	Hydrology Presei	nt? Yes V No			
Describe Recorded Data (stream	am gauge, monite	oring well, aerial photos, pr	evious inspections), if ava	ailable:				
Damada								
Remarks:								

Sampling P	oint: wrae282s_w
------------	------------------

00	Absolute	Dominant I		Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover 0	Species?	Status	Number of Dominant Species
1. none				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4		<u> </u>		、,
5				Percent of Dominant Species That Are OBL FACW or FAC: 66.6666666 (A/R)
				That Are OBL, FACW, or FAC: 66.6666666 (A/B)
6				Prevalence Index worksheet:
ſ. <u> </u>	0			Total % Cover of: Multiply by:
0		= Total Cove	er O	OBL species140 x 1 =140
50% of total cover: 0	20% of	total cover:_		15
Sapiing/Snrub Stratum (Plot size:)				FACW species
1. Salix sericea	70	Yes	OBL	FAC species X3 = 00
2. Rosa multiflora	20	Yes	FACU	FACU species x 4 =
3. Elaeagnus umbellata	10	No		UPL species x 5 =
4				Column Totals:175 (A)250 (B)
				Prevalence Index = B/A =1.42
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 <sup>1</sup>
	100	= Total Cove		4 - Morphological Adaptations <sup>1</sup> (Provide supporting
50% of total cover: 50	20% of	total cover:_	20	
Herb Stratum (Plot size:)				data in Remarks or on a separate sheet)
1. Leersia oryzoides	60	Yes	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2. Impatiens capensis	15	No	FACW	
3. Scirpus atrovirens	10	No	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3. <u></u>				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.
8				Senting/Shrub Weedy plants evaluding vines less
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.				
	85	= Total Cove		Herb – All herbaceous (non-woody) plants, regardless 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 )	2070 01	total oover		Woody vine – All woody vines greater than 3.28 ft in
1. none	0			height.
2				
3				
4				Hydrophytic
5				Vegetation
	0	= Total Cove	er	Present? Yes No No
50% of total cover:0		total cover:_	^	
Remarks: (Include photo numbers here or on a separate s	heet.)			
(menus prote numbers ners or on a separate of	,			

	cription: (Describe t	o the de				or confirm	the absence	e of indicators.)
Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	x Feature: %	s Type <sup>1</sup>	Loc²	Texture	Remarks
0-12	10YR 5/1	90	10YR 5/8	10	C	M	SCL	Remarks
			·				•	
			·					
					-			
								-
							-	
	Concentration, D=Deple	etion, RM	1=Reduced Matrix, MS	S=Masked	Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indio	cators for Problematic Hydric Soils <sup>3</sup> :
Histoso	l (A1)		Dark Surface	e (S7)				2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ce (S8) <b>(N</b>	MLRA 147,		Coast Prairie Redox (A16)
	listic (A3)		Thin Dark Su				<u></u>	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			•		Piedmont Floodplain Soils (F19)
Stratifie	d Layers (A5)		✓ Depleted Ma	trix (F3)				(MLRA 136, 147)
2 cm M	uck (A10) (LRR N)		Redox Dark	Surface (F	<sup>-</sup> 6)		·	Very Shallow Dark Surface (TF12)
Deplete	d Below Dark Surface	(A11)	Depleted Dar	rk Surface	(F7)			Other (Explain in Remarks)
Thick D	ark Surface (A12)		Redox Depre	essions (F	8)			
Sandy I	Mucky Mineral (S1) (L	RR N,	Iron-Mangan	ese Mass	es (F12) <b>(</b>	(LRR N,		
MLR	A 147, 148)		MLRA 13	6)				
Sandy (	Gleyed Matrix (S4)		Umbric Surfa	ce (F13) (	MLRA 13	36, 122)	<sup>3</sup> In	dicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	<b>8)</b> w	retland hydrology must be present,
Strippe	d Matrix (S6)		Red Parent N	Material (F	21) <b>(MLR</b>	A 127, 147	<b>7)</b> u	nless disturbed or problematic.
Restrictive	Layer (if observed):							
Type: ro	ck							
Depth (in	nches): 12						Hydric So	il Present? Yes V No No
Remarks:							11,	
	I at 12 inches.							
uger rerusa	rat 12 mones.							



Wetland data point wrae282s\_w facing northeast



Wetland data point wrae282s\_w facing northwest

Project/Site: Atlantic Coast Pipeline		City/	County: Randolph County	/	Sampling Date: 7/15/2016		
Applicant/Owner: Dominion				State: WV	Sampling Point: wrae282_u		
			tion, Township, Range: No				
Landform (hillslope, terrace, etc.): road					Slope (%):2		
Subregion (LRR or MLRA): N					Datum: WGS 1984		
Soil Map Unit Name: Gilpin channery silt	loam, 3 to 15	percent slopes	Long	NWI classific	cation: UPL		
Are climatic / hydrologic conditions on the							
Are Vegetation, Soil, or H	ydrology	significantly distu	urbed? Are "Normal	Circumstances" p	present? Yes No		
Are Vegetation, Soil, or H							
SUMMARY OF FINDINGS – Att							
Hydrophytic Vegetation Present?	Yes	No 🗸					
Hydric Soil Present?		No	Is the Sampled Area	Vaa	No 🗸		
Wetland Hydrology Present?	Yes		within a Wetland?	res	NO		
HYDROLOGY							
Wetland Hydrology Indicators:				Secondary Indica	ators (minimum of two required)		
Primary Indicators (minimum of one is re	equired; chec	ck all that apply)		Surface Soil	Cracks (B6)		
Surface Water (A1)		True Aquatic Plants			getated Concave Surface (B8)		
High Water Table (A2)		Hydrogen Sulfide O		Drainage Pa			
Saturation (A3)			• , ,	Moss Trim Li			
Water Marks (B1)		Presence of Reduce		Dry-Season Water Table (C2)			
Sediment Deposits (B2)			ion in Tilled Soils (C6)	Soils (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3) Algal Mat or Crust (B4)		Thin Muck Surface of Other (Explain in Re			tressed Plants (D1)		
Iron Deposits (B5)		Other (Explain in Re	emarks)		Position (D2)		
Inundation Visible on Aerial Imager	v (B7)			Shallow Aqui	` '		
Water-Stained Leaves (B9)	, (				aphic Relief (D4)		
Aquatic Fauna (B13)				FAC-Neutral			
Field Observations:							
Surface Water Present? Yes	No	_ Depth (inches):					
Water Table Present? Yes	No	_ Depth (inches):					
Saturation Present? Yes (includes capillary fringe)	No	_ Depth (inches):	Wetland F	Wetland Hydrology Present? Yes No			
Describe Recorded Data (stream gauge	, monitoring v	well, aerial photos, pr	revious inspections), if ava	ilable:			
Remarks:							
Gravel road							

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

20				Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Number of Dominant Species	0	
1. none				That Are OBL, FACW, or FAC:	0	(A)
2				Total Number of Dominant		
3				Species Across All Strata:	0	(B)
4						` '
				Percent of Dominant Species	0	
5				That Are OBL, FACW, or FAC:	0	(A/B)
6				Prevalence Index worksheet:		
7					Maritim Ira hara	
		= Total Cove		Total % Cover of:		
50% of total cover:0	20% of	total cover:_	0	OBL species x	1 =	_
Sapling/Shrub Stratum (Plot size: 15				FACW species x 2	2 =	_
1. none	0			FAC species x 3	3 =	_
				FACU species x 4	4 =	
2				UPL species x :		
3						
4				Column Totals: (A)	)	_ (D)
5				Prevalence Index = B/A =		
6						_
7				Hydrophytic Vegetation Indicat		
				1 - Rapid Test for Hydrophyt		
8				2 - Dominance Test is >50%	,	
9	^			3 - Prevalence Index is ≤3.0 <sup>1</sup>	1	
0		= Total Cove		4 - Morphological Adaptation	ns <sup>1</sup> (Provide sup	porting
50% of total cover: 0	20% of	total cover:_		data in Remarks or on a s		
Herb Stratum (Plot size:5				Problematic Hydrophytic Veg	. ,	n)
1. none	0			Problematic Hydrophytic veg	jetation (Explai	11)
2						
3				<sup>1</sup> Indicators of hydric soil and wetl		nust
				be present, unless disturbed or p		
4				Definitions of Four Vegetation	Strata:	
5				Tree – Woody plants, excluding v	vines. 3 in. (7.6	cm) or
6				more in diameter at breast height		
7				height.		
8				Sapling/Shrub – Woody plants,	excluding vines	less
9				than 3 in. DBH and greater than o		
10				m) tall.		
11.				Herb – All herbaceous (non-wood	du) planta raga	dloog
	0	= Total Cove	r	of size, and woody plants less that		uless
50% of total cover:		total cover:_				
Woody Vine Stratum (Plot size: 30 )		_		Woody vine – All woody vines g	reater than 3.28	ft in
1. none	0			height.	_	
2						
3						
4				Hydrophytic		
5				Vegetation		
	0	= Total Cove	er	Present? Yes	No	
50% of total cover:0	20% of	total cover:_	0			
Remarks: (Include photo numbers here or on a separate sl	heet.)					
Gravel road	,					

	ription: (Describe t	o the depth				or confirm	the absen	ce of indicat	tors.)		
Depth	Matrix		Redo	x Features	S _ 1	. 2			_		
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<u>Texture</u>		Remar	KS	
			-					_			
		·									
1							2				
	ncentration, D=Deple	etion, RM=Re	educed Matrix, MS	S=Masked	Sand Gra	ains.		PL=Pore Lir			3
Hydric Soil I	ndicators:						Ind	licators for F	Problematic	: Hydric Sc	oils":
Histosol	(A1)		Dark Surface	(S7)				2 cm Muck	(A10) (MLR	A 147)	
Histic Ep	ipedon (A2)		Polyvalue Be	low Surfac	ce (S8) <b>(N</b>	ILRA 147,	148)	Coast Prairi	ie Redox (A	16)	
Black His	stic (A3)		Thin Dark Su	rface (S9)	(MLRA 1	47, 148)		(MLRA 1	47, 148)		
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix (	F2)			Piedmont F	loodplain Sc	oils (F19)	
	Layers (A5)		Depleted Ma	rix (F3)				(MLRA 1	36, 147)		
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface (F	6)			Very Shallo	w Dark Surf	ace (TF12)	)
Depleted	Below Dark Surface	(A11)	Depleted Dar	k Surface	(F7)			Other (Expl	ain in Rema	rks)	
Thick Da	rk Surface (A12)		Redox Depre	ssions (F	3)						
Sandy M	ucky Mineral (S1) (L	RR N,	Iron-Mangan	ese Masse	es (F12) <b>(</b> I	LRR N,					
	147, 148)		MLRA 13		. , ,						
	leyed Matrix (S4)		Umbric Surfa	-	MLRA 13	6, 122)	3	Indicators of I	hydrophytic	vegetation	and
	edox (S5)	•	Piedmont Flo					wetland hydr		-	
	Matrix (S6)	•	Red Parent N					unless distur			
	ayer (if observed):				, (		<u>′</u>				
Type:			_				l <sub>-</sub>		.,		~
Depth (inc	hes):		_				Hydric S	oil Present?	Yes	No_	<u> </u>
Remarks:											
gravel road											



Upland data point wrae282\_u facing southeast



Upland data point wrae282\_u facing north

		Mountains and Pleumont Region	alialu
Project/Site: ACP	City/County: Kan	dolph Sampling Date	3/1/16
Applicant/Owner: Dominion		State: WV Sampling P	oint: Wrap 015e
Investigator(s): ESI (R. Turnbull)	Section, Township,	Range: N/A	
Landform (hillslope, terrace, etc.): Strip Mine		A CALL TO COMPANY OF A CALL OF A CAL	
Subregion (LRR or MLRA): LRR N Lat:			
Soil Map Unit Name: Udorthents, mudstme			
Are climatic / hydrologic conditions on the site typical for t			
Are Vegetation, Soil, or Hydrology	significantly disturbed? A	re "Normal Circumstances" present? Yes _	No
Are Vegetation, Soil, or Hydrology	_ naturally problematic? (I	needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site ma	p showing sampling poin	t locations, transects, important	features, etc.
Hydrophytic Vegetation Present? Yes	No Is the Samp	lad Araa	
Hydric Soil Present? Yes	No within a We		
Wetland Hydrology Present? Yes	No	103 103	
Remarks:			
Strip Mine			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (minimum	of two required)
Primary Indicators (minimum of one is required; check a	Il that apply)	Surface Soil Cracks (B6)	
	ue Aquatic Plants (B14)	Sparsely Vegetated Concav	e Surface (B8)
	ydrogen Sulfide Odor (C1)	Drainage Patterns (B10)	
	xidized Rhizospheres on Living R		
	esence of Reduced Iron (C4)	Dry-Season Water Table (C.	2)
	ecent Iron Reduction in Tilled Soil	[20] [20] [20] [20] [20] [20] [20] [20]	
40 20 Tel 1997 (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997)	nin Muck Surface (C7)	Saturation Visible on Aerial	
	ther (Explain in Remarks)	Stunted or Stressed Plants (	D1)
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)		<ul><li>Geomorphic Position (D2)</li><li>Shallow Aquitard (D3)</li></ul>	
Water-Stained Leaves (B9)		Microtopographic Relief (D4	1
Aquatic Fauna (B13)		FAC-Neutral Test (D5)	
Field Observations:			
Surface Water Present? Yes No D	tenth (inches): N/A		
	Pepth (inches):3		
		Wetland Hydrology Present? Yes	- No
(includes capillary fringe)	epiti (inches). sariaes	wedalid Hydrology Present? Tes	
Describe Recorded Data (stream gauge, monitoring well	, aerial photos, previous inspection	ons), if available:	
Remarks:			

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

Sampling Point: Wrap Olse-W

70ft . 30Ct .	Absolute Dominant Indicator	
Tree Stratum (Plot size: 30 ft. x 30 ft. )	% Cover Species? Status	Number of Dominant Species
1. none		_ That Are OBL, FACW, or FAC: (A)
2		
		Total Number of Dominant Species Across All Strata:  (B)
3		Species Across All Strata: (B)
4		Percent of Dominant Species
5		That Are OBL, FACW, or FAC: (A/B)
6		- Matrice obe, movi, or mo (705)
		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
	= Total Cover	[18] [ ] [ [18]
50% of total cover:	20% of total cover:	OBL species x 1 =0
Sapling/Shrub Stratum (Plot size: 30ft. × 30ft. )		FACW species 76 x 2 = 140
1		FAC species x 3 = 0
		FACU species 20 x 4 = 80
2	AND THE REAL PROPERTY OF THE PARTY OF THE PA	
3		UPL species
4		Column Totals: 90 (A) 220 (B)
5		Prevalence Index = B/A = Z.44
6		
7		Hydrophytic Vegetation Indicators:
		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9		3 - Prevalence Index is ≤3.0¹
	= Total Cover	하게 하는 그는 사람들은 보다 가게 하는 것들이 얼마나 하는 것이 되었다. 그렇게 하는 것이 없는 것이 없다.
50% of total cover:	20% of total cover:	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
	20 % of total cover	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30 ft. x 30 ft. )		Decklomatic Hudenshirtis Vanctation (Funtain)
1. Dichenthelium scoparium	70 Y FACW	Problematic Hydrophytic Vegetation (Explain)
2. Rubus allegheniensis	ZO Y FACE	
		'Indicators of hydric soil and wetland hydrology must
3		<ul> <li>be present, unless disturbed or problematic.</li> </ul>
4		Definitions of Four Vegetation Strata:
5		Dominions of Control Control
		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
	90 = Total Cover	of size, and woody plants less than 3.28 ft tall.
EDD/ of total cover. 45	20% of total cover: 18	or size, and woody plants less than size it tall.
30% of total cover:	20% of total cover:	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 Ft. x 30 ft.)		height.
1. none		
2.	The state of the s	
3		-
4		- Undraphutia
5.		Hydrophytic Vegetation
	0 = Total Cover	Present? Yes V No
		1103CHC1 103_P_ 100
50% of total cover:		
	20% of total cover:	

Profile Des	cription: (Describe t	to the dept	h needed to docu	ment the i	ndicator	or confirm	n the absence	e of indicate	ors.)	
Depth	Matrix	- 04		ox Feature:						
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	The second secon	Remarks	
0-5	2.543/1	100_	- /-				CL			
5-20	2.54 3/1	90	104R5/6	10		M	CL			
							Total Inches			
				7						
7767.7364		J-1				1. 15.2				
				70.00						
					-		-			
YEST THE						THE SALE				
¹Type: C=C	oncentration, D=Depl	etion. RM=	Reduced Matrix. M	S=Masked	Sand Gra	ins.	<sup>2</sup> Location: F	PL=Pore Lin	ing, M=Matrix.	
Hydric Soil							Indic	ators for P	roblematic Hyd	lric Soils <sup>3</sup> :
Histosol			Dark Surfac	e (S7)				2 cm Muck (	(A10) (MLRA 14	7)
Histic E	pipedon (A2)		Polyvalue B	elow Surfa				Coast Prairie	e Redox (A16)	
	istic (A3)		Thin Dark S			47, 148)		(MLRA 14		
	en Sulfide (A4)		Loamy Gley		F2)		_		oodplain Soils (F	F19)
A STATE OF THE PARTY OF THE PAR	d Layers (A5) uck (A10) (LRR N)		Depleted Ma		·c)			(MLRA 13	з <b>6, 147)</b> w Dark Surface (	TE12)
	d Below Dark Surface	(A11)	Depleted Da						ain in Remarks)	(11-12)
	ark Surface (A12)		Redox Depr					outer (Empire	,	
Sandy N	Mucky Mineral (S1) (L	RR N,	Iron-Mangar	nese Masse		RR N,				
	A 147, 148)		MLRA 13				,			
	Gleyed Matrix (S4)		Umbric Surf						ydrophytic vege	
	Redox (S5) d Matrix (S6)		Piedmont FI Red Parent						ology must be proped or problema	
	Layer (if observed):		Red Falent	iviateriai (r	ZI) (WILK	127, 14	7) u	niess distait	рец от рговлениа	iic.
Type:										
	ches):						Hydric Soi	il Present?	Yes V	No
Remarks:				77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
										. 13
										2.0
										7 3 5
										V (10 )
		No. 10 March			KL. EYunê.			7. SHI		

## Environmental Field Surveys Wetland Photo Page



Wetland data point wrap015e\_w facing northwest.



Wetland data point wrap015e\_w facing southwest.

Photo Sheet 1 of 2

WETLAND DETERMINATION DATA FORM -	Eastern Mountains and Piedmont Region
Project/Site: ACP City/Co	unty: Randolph Sampling Date: 3/17/16
Applicant/Owner: Dominion	State: WV Sampling Point: Was 615-
Investigator(s): ESI (R. Turnbull) Section	Township, Range: N/A
Landform (hillslope, terrace, etc.): Local relief	(concave convex none): Slone (%): 7-5%
Subregion (LRR or MLRA): LRR N Lat: 38.61866	Long: -80 15658 Datum: WC \$84
Soil Map Unit Name: Uderthents, mudstone and shale very	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	
Are Vegetation, Soil, or Hydrology significantly disturbed	
Are Vegetation, Soil, or Hydrology naturally problemati	c? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing samp	oling point locations, transects, important features, etc.
	s the Sampled Area within a Wetland? Yes No
HYDROLOGY  Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	
Surface Water (A1) True Aquatic Plants (B: High Water Table (A2) Hydrogen Sulfide Odor Saturation (A3) Oxidized Rhizospheres Water Marks (B1) Presence of Reduced II Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (C7 Algal Mat or Crust (B4) Other (Explain in Remainded Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13)	(C1)
Field Observations:	
Surface Water Present? Yes No Depth (inches): N/	
Water Table Present? Yes No Depth (inches): >2	
Saturation Present? Yes No Depth (inches): _ > 2.	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	ous inspections), if available:
Remarks:	

Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:    Total Number of Dominant Species That Are OBL, FACW, or FAC:   Z
That Are OBL, FACW, or FAC:  Total Number of Dominant Species Across All Strata:  Percent of Dominant Species That Are OBL, FACW, or FAC:  Prevalence Index worksheet:  Total % Cover of:  Multiply by:  OBL species  FACW species  FACW species  FACU species  FACU species  Ox 3 = O  FACU species  Ox 4 = 120  UPL species  Ox 5 = O  Column Totals:  Ox 5 = O  Column Totals:  Total % Cover of:  Auditiply by:  Ox 1 = O  FACU species  Ox 2 = 100  FACU species  Ox 3 = O  FACU species  Ox 4 = 120  UPL species  Ox 5 = O  Column Totals:  Ox 6 = O  Column Totals:  Ox 6 = O  Column Totals:  Ox 7 =
Total Number of Dominant Species Across All Strata:  Percent of Dominant Species That Are OBL, FACW, or FAC:  So (A/B)  Prevalence Index worksheet:  Total % Cover of:  Multiply by: OBL species So x1 = O FACW species FACW species So x2 = 100 FAC species O x3 = O FACU species O x5 = O Column Totals: OAA  Prevalence Index = B/A = 2.75  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%  1 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
Species Across All Strata:  Percent of Dominant Species That Are OBL, FACW, or FAC:  Total % Cover of:  OBL species FACW species FACW species FACU species  FACU species  FACU species  FACU species  Column Totals:  Column Totals:  Total % Cover of:  Multiply by:  Mult
Species Across All Strata:  Percent of Dominant Species That Are OBL, FACW, or FAC:  Total % Cover of:  OBL species FACW species FACW species FACU species  FACU species  FACU species  FACU species  Column Totals:  Column Totals:  Multiply by:  Multiply
Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)  Prevalence Index worksheet:
That Are OBL, FACW, or FAC:
That Are OBL, FACW, or FAC:
Prevalence Index worksheet:  Total % Cover of: Multiply by:  OBL species
Total % Cover of:  OBL species  OBL species  FACW species  FACW species  FACU species  OBL spec
Total % Cover of:  OBL species  OBL species  FACW species  FACW species  FACU species  OBL spec
OBL species O x 1 = O  FACW species 50 x 2 = 100  FAC species 0 x 3 = O  FACU species 30 x 4 = 120  UPL species 0 x 5 = O  Column Totals: 80 (A) 220 (B)  Prevalence Index = B/A = 2.75  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  2 - Dominance Test is >50%  3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
FACW species 50 x 2 = 100  FAC species 0 x 3 = 0  FACU species 30 x 4 = 120  UPL species 0 x 5 = 0  Column Totals: 80 (A) 220 (B)  Prevalence Index = B/A = 2.75  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
FACW species 50 x 2 = 100  FAC species 0 x 3 = 0  FACU species 30 x 4 = 120  UPL species 0 x 5 = 0  Column Totals: 80 (A) 220 (B)  Prevalence Index = B/A = 2.75  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  2 - Dominance Test is >50%  3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
FAC species
FACU species 30 x 4 = 120  UPL species 0 x 5 = 0  Column Totals: 80 (A) 220 (B)  Prevalence Index = B/A = 2.75  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  2 - Dominance Test is >50%  3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
FACU species 30 x 4 = 120  UPL species 0 x 5 = 0  Column Totals: 80 (A) 220 (B)  Prevalence Index = B/A = 2.75  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  2 - Dominance Test is >50%  3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
UPL species x 5 = (B)  Column Totals: (A) (B)  Prevalence Index = B/A = (B)  Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
Column Totals: 80 (A) 220 (B)  Prevalence Index = B/A = 2.75  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
Prevalence Index = B/A = 2.75  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
Prevalence Index = B/A = 2.75  Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50% 2 - Prevalence Index is ≤3.0¹4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  2 - Dominance Test is >50%  3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2 - Dominance Test is >50%  3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
3 - Prevalence Index is ≤3.0¹  4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
data in Remarks or on a separate sheet)
Backlamatic Hudeschutic Magatatical (Euplain)
Book to wasting the whome best of Manager time! (Fundain)
- Problematic Hydrophytic Vegetation (Explain)
cu .
be present, unless disturbed or problematic.
The control of a process of the control of the cont
Definitions of Four Vegetation Strata:
Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
more in diameter at breast height (DBH), regardless of
height.
2017/2017 / 그리 전에 가는 사람들은 사람들이 되었습니다. 그는 사람들이 되었습니다. 그는 그는 사람들이 그는 그는 사람들이 가는 사람들이 가지 않는데 보다 없었습니다.
Sapling/Shrub – Woody plants, excluding vines, less
than 3 in. DBH and greater than or equal to 3.28 ft (1
m) tall.
of size, and woody plants less than 3.28 ft tall.
6
Woody vine – All woody vines greater than 3.28 ft in
height.
BERNE
11
Hydrophytic Vegetation
Present? Yes No
Present: 1es No

Profile Description: (Describe to the de	oth needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
0-6 10484/2 100		_CL
6-20 104R 5/3 100		CL_
		ACTION OF SECURITY AND
- 100 to		
	=Reduced Matrix, MS=Masked Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Dark Surface (S7)	2 cm Muck (A10) (MLRA 147)
— Histic Epipedon (A2)	<ul><li>Polyvalue Below Surface (S8) (MLRA 147,</li><li>Thin Dark Surface (S9) (MLRA 147, 148)</li></ul>	148) Coast Prairie Redox (A16) (MLRA 147, 148)
Black Histic (A3) 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)	
Sandy Mucky Mineral (S1) (LRR N,	Iron-Manganese Masses (F12) (LRR N,	
MLRA 147, 148)	MLRA 136)	3
Sandy Gleyed Matrix (S4)	Umbric Surface (F13) (MLRA 136, 122)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 147	
Stripped Matrix (S6)  Restrictive Layer (if observed):	Red Parent Material (F21) (MERA 121, 147	) unless distailed or problematic.
Type:		Hydric Soil Present? Yes No
Depth (inches):		nyunc son Fresent: Tes No
Remarks:		
[19] [2] [10] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2		

## Environmental Field Surveys Wetland Photo Page



Upland data point wrap015\_u facing northeast.



Upland data point wrap015\_u facing southeast.

Photo Sheet 2 of 2

	City/County: Randolph Sampling Date: 3/17/16
Applicant/Output	Sampling Bate. 5/1/
Applicant/Owner: Vominion	State: WV Sampling Point: wrap 017e -
Investigator(s): ESI - R. Turnbull	
	cal relief (concave, convex, none): Slope (%): 2-5%
	Long: <u>-80.15629</u> Datum: <u>WG584</u>
Soil Map Unit Name: Udortheats, mudstone and sha	le very low base NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of ye	ar? 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 pro	oblematic? (If needed, explain any answers in Remarks.)
	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Yes No  Yes No	Is the Sampled Area within a Wetland? Yes No
Strip Mine	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	
Surface Water (A1) True Aquatic Pl	[18] (19] 이렇게 되는데 아니지 (19] (19] (19] (10] (10] (10] (10] (10] (10] (10] (10
High Water Table (A2) Saturation (A3) Hydrogen Sulfic	
Water Marks (B1)  — Vidized Rriizos  — Dixidized Rriizos  — Presence of Re	
	duction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surfa	(1984년) [18] 마시아 (1984년) 1일
Algal Mat or Crust (B4) Other (Explain i	[18] [18] [18] [18] [18] [18] [18] [18]
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) (includes capillary fringe)	: 5hrface Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photo	s, previous inspections), if available:
Remarks:	

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

	olute Dominant Indicator	Dominance Test worksheet:
1 none	Cover Species? Status	Number of Dominant Species
THE RESIDENCE OF THE PROPERTY		That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
3		Species Across All Strata: [3] (B)
4		
5		Percent of Dominant Species That Are OBL, FACW, or FAC: 67 (A/B)
6		
7		Prevalence Index worksheet:
	= Total Cover	Total % Cover of: Multiply by:
50% of total cover: 2		OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 20 Pt. x 20 Pt.)		FACW species x 2 =
1. None		FAC species x 3 =
2		FACU species x 4 =
		UPL species x 5 =
3	[HERECON MANAGEMENT OF STREET, 1992] HERECON TO STREET, HERECON TO STREET, HERECON TO STREET, HERECON TO STREET,	Column Totals: (A) (B)
4	Controlling Principal Copyring a firm of the principal and Copyring Area (1997) the principal Co	Column rotals (r) (b)
5		Prevalence Index = B/A =
6		Hydrophytic Vegetation Indicators:
7		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9.		3 - Prevalence Index is ≤3.0¹
	= Total Cover	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover: 2	0% of total cover:	
Herb Stratum (Plot size: 20 Pt. x 20 ft.)		data in Remarks or on a separate sheet)
1. Juneus effusur	30 4 FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2. Dicharthelium scopanium 2	O Y FACW	
3. Festuca pubra 2	O Y FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
THE THE ARMADIST WAS A DESCRIPTION OF THE OWN	or the rest of the same about the same and t	be present, unless disturbed or problematic.
4		Definitions of Four Vegetation Strata:
5	30 BARINE A.S. T. SENDERMAN BARINE BERKEN BARINE BARINE BARINE BARINE BARINE BARINE BARINE BARINE BARINE BARIN	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
	0 = Total Cover	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>35</u> 2	0% of total cover: 14	144 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4
Woody Vine Stratum (Plot size: 20ft. > 20ft.)		Woody vine – All woody vines greater than 3.28 ft in height.
1. none		
2.		
3,		
4		
		Hydrophytic
5	7	Vegetation Present? Ves No
5	Total Cover  % of total cover:	Present? Yes No

	cription: (Describe	to the depth				or confirm	n the abser	nce of indicat	tors.)	
Depth (inches)	Color (moist)	%	Color (moist)	lox Features %	Type <sup>1</sup>	_Loc²	Texture	,	Remarks	
0-17	2.543/1	75	104R4/6	75	(	PL	CL		1,011,01	
			1/3				4.000			
						Section 1997				
		<del>-</del>			-	1000				
					-		<u> </u>			
<sup>1</sup> Type: C=C	oncentration, D=Dep	oletion, RM=R	educed Matrix. N	/S=Masked	Sand Gra	ains.	<sup>2</sup> Location	: PL=Pore Lir	ning, M=Matrix.	
Hydric Soil		Total of the second	oddood Widding V						roblematic Hy	
Histosol	(A1)		Dark Surface	ce (S7)				2 cm Muck	(A10) (MLRA 1	47)
	pipedon (A2)		Polyvalue B				148)		e Redox (A16)	
	istic (A3)		Thin Dark S			47, 148)		(MLRA 1	47, 148) loodplain Soils	(E10)
	en Sulfide (A4) d Layers (A5)		Loamy Gley Depleted M		F2)		-	(MLRA 1		(F19)
	ick (A10) (LRR N)		Redox Dark		6)				w Dark Surface	(TF12)
	d Below Dark Surfac	e (A11)	Depleted D					Other (Expl	ain in Remarks	)
	ark Surface (A12)		Redox Dep							
Chronical record action and action and action	Mucky Mineral (S1) (I A 147, 148)	LRR N,	Iron-Manga MLRA 1		25 (F12) (	LRR N,				
	Gleyed Matrix (S4)		Umbric Sur		MLRA 13	6, 122)	1	Indicators of I	hydrophytic veg	etation and
	Redox (S5)		Piedmont F					wetland hydr	ology must be p	oresent,
	Matrix (S6)		Red Parent	Material (F	21) (MLR	A 127, 147	7)	unless distur	bed or problem	atic.
	Layer (if observed):									
Type:			<del>-</del>						w /	
TO A COUNTY OF STREET,	ches):		-				Hydric	Soil Present?	Yes	. No
Remarks:	auger refu	sal a	- 12 incl	res						



Wetland data point wrap017e\_w facing northwest.



Wetland data point wrap017e\_w facing northeast.

Photo Sheet 1 of 2

#### WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region Project/Site: ACP City/County: | Randolph Sampling Date: 3/17/16 Applicant/Owner: Dominion State: WV Sampling Point: Wrap 017- W Investigator(s): ESI (R. Turnbull) Section, Township, Range: N/A Landform (hillslope, terrace, etc.): \_\_\_\_\_\_ Strip Mine \_\_\_\_\_ Local relief (concave, convex, none): \_\_\_\_\_ Slope (%): Z-5% Subregion (LRR or MLRA): \_\_\_LRR\_N \_\_\_ Lat: \_\_\_38.61783 \_\_\_\_Long: \_-80.15636 \_\_\_\_ Datum: \_\_WG584 Soil Map Unit Name: Udorthents, mudstone and shale very low base NWI classification: N/A 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 \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. \_ No\_ ~ Hydrophytic Vegetation Present? Is the Sampled Area Yes \_\_\_\_ No\_ --Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: Strip Mine 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) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Sparsely Vegetated Concave Surface (B8) \_\_\_ Surface Water (A1) \_\_ High Water Table (A2) \_\_ Drainage Patterns (B10) \_\_\_ Oxidized Rhizospheres on Living Roots (C3) \_\_\_ Moss Trim Lines (B16) \_\_\_ Saturation (A3) Presence of Reduced Iron (C4) \_\_\_ Dry-Season Water Table (C2) Water Marks (B1) \_\_\_ Recent Iron Reduction in Tilled Soils (C6) \_\_ Crayfish Burrows (C8) \_ Sediment Deposits (B2) \_\_\_ Saturation Visible on Aerial Imagery (C9) \_ Drift Deposits (B3) \_\_\_ Thin Muck Surface (C7) \_ 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) \_\_\_ Microtopographic Relief (D4) \_ Water-Stained Leaves (B9) \_\_ Aquatic Fauna (B13) FAC-Neutral Test (D5) Field Observations: Yes \_\_\_\_ No \_\_ Depth (inches): N/A Surface Water Present? Yes \_\_\_\_ No \_\_ Depth (inches): >4 Water Table Present? Yes \_\_\_\_ No \_\_ Depth (inches):\_ >4 Wetland Hydrology Present? Yes \_\_\_\_\_ No\_\_\_\_ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: anger refusal at 4 inches, no surface hydrology indicators noted.

The appearance of the commence of the second management of the commence of the	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft. x 30 ft.)		Species?		Number of Dominant Species
1. NONE		The real parties were street, the content of		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: (A/B)
6				
7.				Prevalence Index worksheet:
	B	= Total Cov		Total % Cover of: Multiply by:
				OBL species X 1 = G
50% of total cover:	20% or	total cover:		FACW species x 2 = 0
Sapling/Shrub Stratum (Plot size: 30ft. x 30ft.)				
1. none				FAC species x 3 =
2				FACU species
3				UPL species x 5 = 8
				Column Totals: 60 (A) 240 (B)
4				
5				Prevalence Index = B/A = 4.0
6			Contraction	Hydrophytic Vegetation Indicators:
7				
8				1 - Rapid Test for Hydrophytic Vegetation
		77705200		2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.01
		= Total Cov		4 - Morphological Adaptations <sup>1</sup> (Provide supporting
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30 ft. x 30 ft.)				
1. Rubus allegheniensis	10	N	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
		N	FACU	
2. Eupodorium enpillifolium 3. Ferduca rubra	40	Y	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
		CONTRACT CHANGE	November 1981	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 height.
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
	60	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 30				
Woody Vine Stratum (Plot size: 30A × 30f4. )	2070 0.	total cover,		Woody vine – All woody vines greater than 3.28 ft in
<ul> <li>A SEMBLEM AND THE ANALYSIS OF A PROPERTY OF THE ANALYSIS OF A PROPERTY OF</li></ul>				height.
1. none				
2				
3				
4.				
F				Hydrophytic
	A			Vegetation Present? Yes No
		= Total Cov		Tresent res
50% of total cover:	Company Will Company	total cover:		
Remarks: (Include photo numbers here or on a separate si	neet.)			

Profile Des	cription: (Describe	to the depth	needed to docu	ment the i	indicator	or confirm	n the a	bsence of indica	itors.)	
Depth (inches)	Color (moist)	%	Color (moist)	x Feature %		Loc²	Te	xture	Remar	·ke
()-4	The state of a principal process for the principal state of the American State of the State of t	A Commission of the Commission	Color (moist)		Type	Loc	The second	See Consent of State Co. of Space and received in the	Kemai	K2
0-7	104RZ/Z	100			April 10 September 1			<u></u>		
					Freshore	-	1000			
						-	70000			
					1.4575		41000			
				100			-	THE STATE OF THE S		
	concentration, D=Dep	letion, RM=R	educed Matrix, M	S=Masked	Sand Gra	ains.	*Loca	ation: PL=Pore L		trix. : Hydric Soils <sup>3</sup> :
	Indicators:									
Histoso			Dark Surface		(00) (0)		4.401		(A10) (MLR	
	pipedon (A2)		Polyvalue Be				148)	Coast Prai	ne Redox (A 147, 148)	(10)
A 60 Aug. (Control of the Control of	listic (A3) en Sulfide (A4)		Thin Dark St			47, 148)			Floodplain S	oils (F19)
	d Layers (A5)		Depleted Ma		, [2]			- Park and the Control of the Contro	136, 147)	0113 (1 13)
and the second s	uck (A10) (LRR N)		Redox Dark		6)			Very Shall		face (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da					Other (Exp		
Company of the Compan	ark Surface (A12)		Redox Depr							
	Mucky Mineral (S1) (I	LRR N,	Iron-Mangar			LRR N,				
A CONTRACTOR OF THE PROPERTY OF THE PARTY OF	A 147, 148)		MLRA 13	16)						
	Gleyed Matrix (S4)		Umbric Surfa							vegetation and
	Redox (S5)		Piedmont Flo					wetland hyd		
	d Matrix (S6)		Red Parent I	Material (F	21) (MLR.	A 127, 147	7)	unless distu	rbed or prob	lematic.
Restrictive	Layer (if observed):									
Type:			_							
Depth (in	iches):						Hyd	ric Soil Present	? Yes	No <u>/</u>
Remarks:										
Λ	6.0		10	10	. \					
Huger	refusal @	4 inch	es (Kock	/ Bed	rock)					
,										



Upland data point wrap017\_u facing southwest.



Upland data point wrap017\_u facing southeast.

Photo Sheet 2 of 2

WETLAND DETERMINATION DATA FORM – Ea	astern Mountains and Piedmont Region
Project/Site: ACP City/Count	y: Randolph Sampling Date: 3/17/16
Applicant/Owner: Dominion	State: WV Sampling Point: Wrap 018e
Applicant/Owner: Dominion Investigator(s): ESI (R. Turnbull) Section, To	ownship, Range: N/A
Landform (hillslope, terrace, etc.): drawage Local relief (co	
Subregion (LRR or MLRA): LRR N Lat: 38.61802	
Soil Map Unit Name: Buchanen and Ernest stony soils, 15-35%.	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes _	어머니는 아이를 하는 사람들은 아이는 아이를 하면 하는 아이를 하는데 하는데 하는데 아이를 하는데
Are Vegetation, Soil, or Hydrology significantly disturbed?	
Are Vegetation, Soil, or Hydrology naturally problematic?	
SUMMARY OF FINDINGS – Attach site map showing samplir	
Solvinia to The birds - Attach site map showing sampling	ig point locations, transcets, important reatures, etc.
Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  Ves No with No with	he Sampled Area hin a Wetland? Yes No
Downslope of Strip Mine	
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) High Water Table (A2) Hydrogen Sulfide Odor (C:	: 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Saturation (A3) Oxidized Rhizospheres on	HE CON COUNTY
Water Marks (B1) Presence of Reduced Iron	(C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction in T	
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remarks	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Shallow Aquitard (D3) Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	TAC-Neutral Test (D3)
Surface Water Present? Yes No Depth (inches):N/A	
Water Table Present? Yes Vo Depth (inches): 2	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	s inspections), if available:
Describe Recorded Data (Stream gauge, monitoring Weil, destail photos, provides	, inspections, il available.
Remarks:	
Sphagnum moss present	

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

-8 - 6	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft. x 30 ft.)	% Cover Species? Status	Number of Dominant Species 7 3
1. none		That Are OBL, FACW, or FAC: 2-3 (A)
2		Total Number of Dominant
3		Total Number of Dominant Species Across All Strata:  (B)
4		December December 1
5		Percent of Dominant Species That Are OBL, FACW, or FAC: 67–100% (A/B)
6		THE PROPERTY OF THE PROPERTY O
7		Prevalence Index worksheet:
	O = Total Cover	Total % Cover of: Multiply by:
50% of total cover:	20% of total cover:	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 30 ft. + 30 ft.)		FACW species x 2 =
1. none		FAC species x 3 =
2		FACU species x 4 =
[18] 사용 사용 전환		UPL species x 5 =
3		Column Totals: (A) (B)
4		Column rotals (r) (s)
5		Prevalence Index = B/A =
6		Hydrophytic Vegetation Indicators:
7		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9		3 - Prevalence Index is ≤3.0¹
	= Total Cover	3 - Prevalence index is \$3.0      4 - Morphological Adaptations <sup>1</sup> (Provide supporting
50% of total cover:		
Herb Stratum (Plot size: 30 ft. x 30 ft.)		data in Remarks or on a separate sheet)
1. Athyrium aspleniaides	10 Y FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1. Atherism aspleniaides 2. Carex sp.	ZO Y UNK	
3. Dicharthelium scoparium	20 Y FACW	Indicators of hydric soil and wetland hydrology must
4		be present, unless disturbed or problematic.
		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.
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
	50 = Total Cover	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 ft. x 30 ft.)		height.
1. None		
2.		
3		
4.		
		Hydrophytic
5		Vegetation Present? Yes No
	= Total Cover	Tresent.
50% of total cover:		

	oth needed to document the indicator or confirm	the absence of indica	tors.)
Depth Matrix (inches) Color (moist) %	Redox Features  Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
0-20 2.545/1 100		CL	TOMATIO
0 00 2:7/3/1			
		- The state of the	
		2 5. 5	
Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators:	=Reduced Matrix, MS=Masked Sand Grains.	<sup>2</sup> Location: PL=Pore Li	ning, M=Matrix.  Problematic Hydric Soils <sup>3</sup> :
BNA :	Ded Surface (ST)		에 가게 하는데 이번에 걸었다면 하는데 살아가 되었다면 하는데 되었다.
Histosol (A1)	<ul><li>Dark Surface (S7)</li><li>Polyvalue Below Surface (S8) (MLRA 147,</li></ul>		(A10) <b>(MLRA 147)</b> ie Redox (A16)
Histic Epipedon (A2) Black Histic (A3)	Polyvalue Below Surface (S6) (MLRA 147, Thin Dark Surface (S9) (MLRA 147, 148)		147, 148)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		Toodplain Soils (F19)
Stratified Layers (A5)	Depleted Matrix (F3)		36, 147)
2 cm Muck (A10) (LRR N)	Redox Dark Surface (F6)		ow Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	Other (Exp	lain in Remarks)
Thick Dark Surface (A12)	Redox Depressions (F8)		
Sandy Mucky Mineral (S1) (LRR N,	Iron-Manganese Masses (F12) (LRR N,		
MLRA 147, 148)	MLRA 136)	3,,	t
Sandy Gleyed Matrix (S4)	Umbric Surface (F13) (MLRA 136, 122)		hydrophytic vegetation and rology must be present,
Sandy Redox (S5) Stripped Matrix (S6)	— Piedmont Floodplain Soils (F19) (MLRA 14 — Red Parent Material (F21) (MLRA 127, 147		bed or problematic.
Restrictive Layer (if observed):	Red Falent Material (F21) (WERA 121, 141	) uness dista	bea or problematic.
Type:			
Depth (inches):		Hydric Soil Present?	Yes No
City ) I Sures Sures Gu-Vac To Bellie And annual representation of the production of the con-		nyunc son Present	162 V 100
Remarks:			



Wetland data point wrap018e\_w facing southeast.



Wetland data point wrap018e\_w facing southwest.

Photo Sheet 1 of 2

#### WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region City/County: Randolph Sampling Date: 3/17/16 Project/Site: ACP Applicant/Owner: Dominion State: WV Sampling Point: Wrap 018-4 Investigator(s): EST / R. Turnbull) Section, Township, Range: N/A Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): Concave Slope (%): 20-30% Subregion (LRR or MLRA): LRR N Lat: 39.61806 Long: 30.15589 Datum: WG 5 8 4 Soil Map Unit Name: Buchanan and Ernest stony soils 15-35% slapes NWI classification: N/A 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 \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? No\_ Is the Sampled Area Yes \_\_\_\_ No\_\_\_ Hydric Soil Present? within a Wetland? Yes\_\_\_\_ No\_\_/ Wetland Hydrology Present? Remarks: Downslope of strip mine 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) Sparsely Vegetated Concave Surface (B8) \_\_\_ True Aquatic Plants (B14) \_\_ Surface Water (A1) \_\_\_ True Aquatic Plants (B14) \_\_\_ Hydrogen Sulfide Odor (C1) \_\_ Drainage Patterns (B10) \_\_ High Water Table (A2) \_\_\_ Oxidized Rhizospheres on Living Roots (C3) \_\_\_ Moss Trim Lines (B16) \_\_\_ Saturation (A3) Presence of Reduced Iron (C4) \_\_\_ Dry-Season Water Table (C2) Water Marks (B1) 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) Shallow Aquitard (D3) \_\_ Inundation Visible on Aerial Imagery (B7) \_\_\_ Microtopographic Relief (D4) Water-Stained Leaves (B9) \_\_ Aquatic Fauna (B13) \_\_\_ FAC-Neutral Test (D5) Field Observations: Yes \_\_\_\_ No \_\_\_ Depth (inches): N/A Surface Water Present? Yes \_\_\_\_ No V Depth (inches): >20 Water Table Present? Yes \_\_\_\_ No \_\_ Depth (inches): >20 Wetland Hydrology Present? Yes \_\_\_\_\_ No\_\_\_\_ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

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

2.6.12.6	Absolute	Dominant	Indicator	Dominance Test worksheet:	Vellage Ver
Tree Stratum (Plot size: 30ft. x30ft.)		Species?	Status	Number of Dominant Species	
1. Bethla allegheniensis	30		FAC	That Are OBL, FACW, or FAC:	(A)
2. Fagus grandifolia	20	Y	FACU	Total Number of Dominant	
3. Acer saccharum	30	4	FACU		(B)
4		A PRODUCTION			,_,
5	To a day of a grant look of the property of			Percent of Dominant Species That Are ORL FACW or FAC:	
				That Are OBL, FACW, or FAC:	(A/B)
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply by:	
	80	= Total Cove	er		
50% of total cover: 48	20% of	total cover:	16_	OBL species x 1 = 6	
Sapling/Shrub Stratum (Plot size: 30ft. x 30 ft.				FACW species 0 x 2 = 0	
1. Fagus grandifolia	13	Y	FACU	FAC species 30 x 3 = 90	
2				FACU species 65 x4 = 260	
				UPL species	
3				00	(D)
4				Column Totals:(A)(A)	(B)
5		10.000		Prevalence Index = B/A = 3.68	
6				Hydrophytic Vegetation Indicators:	U.S. Y. STONE SHEET
7				1 - Rapid Test for Hydrophytic Vegetation	
8				2 - Dominance Test is >50%	
9					
	10	= Total Cove		3 - Prevalence Index is ≤3.01	
50% of total cover: 5				4 - Morphological Adaptations <sup>1</sup> (Provide supp	orting
Herb Stratum (Plot size: 30 Ft. x 30 Ft.)	20% 01	total cover.		data in Remarks or on a separate sheet)	
	-	1	Ele.	Problematic Hydrophytic Vegetation¹ (Explain	)
1. Polystichum acrostichoides					
2				11-diseases of budge call and watland budgelagum	
3				Indicators of hydric soil and wetland hydrology m be present, unless disturbed or problematic.	ust
4				2000 CO. 2000 TO CONTROL CONTR	
5				Definitions of Four Vegetation Strata:	
				Tree - Woody plants, excluding vines, 3 in. (7.6 c	m) or
6			A STOCK TO SERVER ASSESSED.	more in diameter at breast height (DBH), regardle	ss of
7.			200000000	height.	
8				Sapling/Shrub – Woody plants, excluding vines,	loss
9				than 3 in. DBH and greater than or equal to 3.28 f	t (1
10				m) tall.	
11					
	5	= Total Cove		Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.	liess
50% of total cover: 2.5				or size, and woody plants less than size it tall	
Woody Vine Stratum (Plot size: 30 Pt. )	20% 01	total cover.		Woody vine - All woody vines greater than 3.28 f	ft in
				height.	200 100
1. None		-			
2					
3,					
4					
5.				Hydrophytic Vegetation	
	0	T-t-LC		Present? Yes No	
500/ -51-1-1		= Total Cove			
50% of total cover:		total cover:_			W. L. 122
Remarks: (Include photo numbers here or on a separate si	heet.)				

Profile Desc	ription: (Describe	to the dept	h needed to docu	ment the i	ndicator o	or confirm	n the ab	sence of indicate	ors.)	
Depth	Matrix	- 04		x Features		1 = -2	-		Da 1	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	_Loc²	Text	AN ADDRESS OF THE PERSON WAS ASSESSED.	Remark	(5
0-5	104R 3/2	100		-			54			
5-20	104R 5/4	100					56	<u> </u>		
		-		-						
				7777						
		· <del></del> -			-		-			
					Control of the Contro					
¹Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ins.		on: PL=Pore Lin		
Hydric Soil I								Indicators for P	roblematic	Hydric Soils <sup>3</sup> :
Histosol	(A1)		Dark Surface					2 cm Muck (		
	pipedon (A2)		Polyvalue Be				148)	Coast Prairie		16)
Black Hi			Thin Dark St			47, 148)		(MLRA 14		sile (E10)
	n Sulfide (A4) I Layers (A5)		Loamy Gleye Depleted Ma		F2)			Piedmont Flo (MLRA 13		olis (F19)
King St.	ck (A10) (LRR N)		Redox Dark		6)			Very Shallov		ace (TF12)
	Below Dark Surface	e (A11)	Depleted Da					Other (Expla		
	rk Surface (A12)		Redox Depre							
	lucky Mineral (S1) (L	RR N,	Iron-Mangan		es (F12) (L	RR N,				
	147, 148)		MLRA 13							
	leyed Matrix (S4)		Umbric Surfa				• • • •	3Indicators of h wetland hydro	ydrophytic	vegetation and
	edox (S5) Matrix (S6)		Piedmont Florage Red Parent I					unless disturb		
	ayer (if observed):		Red Parent	viateriai (i .	ZI) (WILK)	127, 177	1	unicoo diotare	cu or probi	ACTIVITIES TO ACTUAL TO
Type:										
Depth (inc	thes):						Hydri	c Soil Present?	Yes	No
Remarks:		SESTIMATE PROPERTY OF								
remarks.										



Upland data point wrap018\_u facing northwest.



Upland data point wrap018\_u facing northeast.

Photo Sheet 2 of 2

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region City/County: Randolph Sampling Date: 3/17/16 Project/Site: ACP Applicant/Owner: Dominion State: WV Sampling Point: Wrap 0 16e-W Investigator(s): \_\_EST (R. Turnbull) Section, Township, Range: \_\_N/A

Landform (hillslope, terrace, etc.): \_\_Strip Mine \_\_\_\_ Local relief (concave, convex, none): \_\_Concave \_\_\_ Slope (%): \_\_4-10° Subregion (LRR or MLRA): LRR N Lat: 38.61817 Long: -80.15680 Datum: WG584 Soil Map Unit Name: Udorthents, mudstone and shale, very low base NWI classification: PEM Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_\_ (If no, explain in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes \_\_\_\_\_ No\_\_\_\_ Is the Sampled Area Yes \_\_\_\_ No\_\_\_\_ Hydric Soil Present? Yes No within a Wetland? Wetland Hydrology Present? Yes No\_\_\_\_\_ No\_\_\_ Remarks: Strip Mine **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) Sparsely Vegetated Concave Surface (B8) Surface Water (A1) \_\_\_ True Aquatic Plants (B14) True Aquatic Plants (B14)
 Hydrogen Sulfide Odor (C1) High Water Table (A2) \_\_\_ Drainage Patterns (B10) Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16) \_\_\_ Water Marks (B1) \_\_\_ Dry-Season Water Table (C2) Presence of Reduced Iron (C4) \_\_\_ 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) \_\_\_ Stunted or Stressed Plants (D1) \_\_\_ Algal Mat or Crust (B4) Other (Explain in Remarks) \_\_\_ Iron Deposits (B5) \_\_\_ Geomorphic Position (D2) \_\_ Shallow Aquitard (D3) \_\_ Inundation Visible on Aerial Imagery (B7) \_\_\_ Microtopographic Relief (D4) Water-Stained Leaves (B9) FAC-Neutral Test (D5) \_\_\_ Aquatic Fauna (B13) Field Observations: Yes \_\_\_ No \_\_\_ Depth (inches):\_\_ Surface Water Present? Water Table Present? Yes No Depth (inches): Surface Yes \_ No \_ Depth (inches): Surface Wetland Hydrology Present? Yes \_\_\_\_ No\_\_\_\_ Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

2.0	Absolute Dominant Indicato	
Tree Stratum (Plot size: 30 ft. x 30 ft.)		That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant Species Across All Strata: 3 (B)
<b>4.</b>		Percent of Dominant Species That Are OBL, FACW, or FAC:
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
50% of total cover-	= Total Cover 20% of total cover:	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 30 Ft. x 30 Ft.)	20% of total cover	FACW species x 2 =
1. neal		FAC species x 3 =
2		FACU species x 4 =
3		UPL species x 5 =
4		Column Totals: (A) (B)
5		
		Prevalence Index = B/A =
6		Hydrophytic Vegetation Indicators:
		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9.	O = Total Cover	3 - Prevalence Index is ≤3.01
50% of total cover:		4 - Morphological Adaptations¹ (Provide supporting
Herb Stratum (Plot size: 30 ft. x30 ft.)	20 % of total cover	data in Remarks or on a separate sheet)
1. Juneas efferens	50 Y FACE	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2. Dichanthelium scoperium	20 Y FACE	── - 1 BB 2 (1974 BB 1884 BB 1974) 18 (1974 BB 1884) (1975 BB 1885) (1974 BB 1874 BB
3. Feshica rubra		Indicators of hydric soil and wetland hydrology must
		be present, unless disturbed of 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.
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	90 = Total Cover	<ul> <li>Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.</li> </ul>
Woody Vine Stratum (Plot size: 30 ft. > 30 ft.)	20% of total cover: \( \begin{align*} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Woody vine – All woody vines greater than 3.28 ft in height.
1. none	The Committee of the Co	
2		
3		
4.		- Hydrophytic
		_   Vegetation
5		_   Togottation
5 50% of total cover:	= Total Cover	Present? Yes No

Depth   Matrix   Redox Features   Matrix   Redox Features   Remarks
1 Type: C-Concentration, D-Depletion, RM=Reduced Matrix, MS-Masked Sand Grains.  Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Thin Dark Surface (S9) (MLRA 147, 148)  Hydrogen Sulfide (A4)  Stratified Layers (A5)  2 cm Muck (A10) (LRR N)  Depleted Below Dark Surface (F5)  Redox Dark Surface (F5)  Peledend Matrix (F2)  Depleted Below Dark Surface (F7)  Redox Dark Surface (F7)  Redox Dark Surface (F7)  Redox Dark Surface (F7)  Redox Dark Surface (F7)  Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)  Sandy Gleged Matrix (S4)  Sandy Redox (S5)  Redox Dark Surface (F13) (MLRA 136, 147)  Pledmont Floodplain Soils (F19)  Coher (Explain in Remarks)  All Rand 136, 147)  Very Shallow Dark Surface (F12)  Other (Explain in Remarks)  All Rand 136, 147)  Very Shallow Dark Surface (F12)  Depleted Dark (S5)  Redox Dark Surface (F13) (MLRA 136, 122)  Pledmont Floodplain Soils (F19) (MLRA 148)  Redox Dark Surface (F13) (MLRA 136, 122)  Pledmont Floodplain Soils (F19) (MLRA 148)  Loansy Gleged Matrix (S4)  Sandy Redox (S5)  Sitipped Matrix (S4)  Red Parent Material (F21) (MLRA 127, 147)  Redox Dark Surface (F13) (MLRA 127, 147)
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.  Hydric Soil Indicators:  Histosol (A1)  Dark Surface (S7)  Histic Epipedon (A2)  Black Histic (A3)  Thin Dark Surface (S9) (MLRA 147, 148)  Coast Prairie Redox (A16)  Hydrogen Sulfide (A4)  Loany Gleyed Matrix (F2)  Stratified Layers (A5)  Depleted Matrix (F3)  Depleted Dark Surface (F6)  Depleted Dark Surface (F7)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Piedmont Floodplain Soils (F19) (MLRA 136, 122)  Stripped Matrix (S6)  Red Parent Material (F21) (MLRA 127, 147)  Red Parent Material (F21) (MLRA 127, 147)  Red Parent Material (F21) (MLRA 127, 147)  Hydric Soil Present? Yes ✓ No
Hydric Soil Indicators:    Histosol (A1)
Histosol (A1)
Histic Epipedon (A2)
Black Histic (A3)
Hydrogen Sulfide (A4)  Stratified Layers (A5)  Depleted Matrix (F3)  Redox Dark Surface (F6)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1) (LRR N)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Sandy Redox (S5)  Stripped Matrix (S6)  Redox Depressions (F12) (LRR N, MLRA 136, 122)  MIRA 136,  Which A136,  Wery Shallow Dark Surface (TF12)  Other (Explain in Remarks)  Other (Explain in Remarks)  Iron-Manganese Masses (F12) (LRR N, MLRA 136, 122)  Jindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present? Yes No
Depleted Below Dark Surface (A11)  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)  Depleted Dark Surface (F7)  Other (Explain in Remarks)  Lendox Depressions (F8)  Iron-Manganese Masses (F12) (LRR N,  MLRA 136)  Umbric Surface (F13) (MLRA 136, 122)  Piedmont Floodplain Soils (F19) (MLRA 148)  Red Parent Material (F21) (MLRA 127, 147)  Restrictive Layer (if observed):  Type:  Depth (inches):  Hydric Soil Present? Yes No
Thick Dark Surface (A12)
Sandy Mucky Mineral (S1) (LRR N, MLRA 136)
MLRA 147, 148)  Sandy Gleyed Matrix (S4)  Sandy Redox (S5)  Stripped Matrix (S6)  Restrictive Layer (if observed):  Type:  Depth (inches):  MLRA 136)  Umbric Surface (F13) (MLRA 136, 122)  January (F13) (MLRA 148)  Wetland hydrology must be present, unless disturbed or problematic.  Hydric Soil Present? Yes No
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: Depth (inches): Hydric Soil Present? Yes No
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic.  Restrictive Layer (if observed):  Type: Depth (inches): Hydric Soil Present? Yes No
Restrictive Layer (if observed):    Type:
Type:  Depth (inches):
Depth (inches):
# 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (
remarks.



Wetland data point wrap016e\_w facing north.



Wetland data point wrap016e\_w facing west.

Photo Sheet 1 of 2

WEILAND DETERMINATIO				
Project/Site: ACP	City/County: _	Randelph		Sampling Date: 3/17/16
Applicant/Owner: Dominion			State: WV	_ Sampling Point: Wrap 016_ u
Investigator(s): ESI (R. Turnbull)	Section, Town	ship, Range:	VIA	
Landform (hillslope, terrace, etc.): Strip Mine				Slope (%): 4-10°C
Subregion (LRR or MLRA): LRR N Lat:				
Soil Map Unit Name: Udorthents, mudstone a				
				기원에 되는 경영에 되어졌다. 이 경영에 가장하는 모든 생각이 되었다. 그 남아지 않다
Are climatic / hydrologic conditions on the site typical for				
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, exp	lain any answer	s in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	ap showing sampling	point locations	s, transects,	important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes  Yes	No within	Sampled Area a Wetland?	Yes	No V
Remarks:				
Strip Mine				
HYDROLOGY				
Wetland Hydrology Indicators:		Se	econdary Indicat	ors (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 Veg	etated Concave Surface (B8)
	Hydrogen Sulfide Odor (C1)	_	_ Drainage Patt	erns (B10)
	Oxidized Rhizospheres on Liv			
	Presence of Reduced Iron (C			Vater Table (C2)
	Recent Iron Reduction in Tille	d Soils (C6)	_ Crayfish Burro	
	Thin Muck Surface (C7)			sible on Aerial Imagery (C9)
	Other (Explain in Remarks)		_ Stunted or Sti _ Geomorphic F	ressed Plants (D1)
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)			_ Shallow Aquit	
Water-Stained Leaves (B9)				phic Relief (D4)
Aquatic Fauna (B13)			_ FAC-Neutral	
Field Observations:				
- TO 10 10 10 10 10 10 10 10 10 10 10 10 10	Depth (inches): N/A			
Water Table Present? Yes No	[ T. N. O. T. N. S. M. S. C. S. M. S. M			
Saturation Present? Yes No		Wetland Hyd	Irology Present	? Yes No
Describe Recorded Data (stream gauge, monitoring w	ell, aerial photos, previous in:	pections), if availal	ble:	
Domorko.				
Remarks: Anger refusal at 5 inches	s, no surface h	ydrology in	ndicato	s noted.
11-30				
<ul> <li>In construction (1974) (1973) (1974) (</li></ul>				

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 Pt. x 30 Pt. )	% Cover Species? Status	Number of Dominant Species
1. none		That Are OBL, FACW, or FAC:(A)
2		Total Number of Dominant
3		Species Across All Strata: 2 (B)
4		
5		Percent of Dominant Species That Are OBL, FACW, or FAC:  (A/B)
6		That Are OBL, FACW, of FAC (A/B)
7		Prevalence Index worksheet:
	= Total Cover	Total % Cover of: Multiply by:
50% of total cover:	20% of total cover:	OBL species
Sapling/Shrub Stratum (Plot size: 30fr. x30 ft. )		FACW species x 2 = 0
		FAC species
The Extra Colonia of the Colonia Commission of the Colonia Col		FACU species 80 x 4 = 320
2		UPL species
3		Column Totals: 80 (A) 320 (B)
4		Column Totals (A) (B)
5		Prevalence Index = B/A = 4.0
6		Hydrophytic Vegetation Indicators:
7		1 - Rapid Test for Hydrophytic Vegetation
B		2 - Dominance Test is >50%
9		3 - Prevalence Index is \$3.01
	= Total Cover	
50% of total cover:	20% of total cover:	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
Herb Stratum (Plot size: 36 fd. × 30 ft.)		data in Remarks or on a separate sheet)
1. Festuca rubra	60 Y FACU	— Problematic Hydrophytic Vegetation¹ (Explain)
2. Eupaterium capillifolium	20 Y FACU	
3		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
		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.
8.	2 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C	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
	80 = Total Cover	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 40	20% of total cover: 16	
Woody Vine Stratum (Plot size: 30 ft x 30 ft )		Woody vine – All woody vines greater than 3.28 ft in height.
1. Mone		neight.
2		
3	Program of the Section of the Control of the Contro	
4		Hydrophytic
5,	1	Vegetation   Present?   Yes   No
	= Total Cover	Present? YesNo
	CHICAGONY BUT CONSTRUCTION OF CAMPACON MATERIAL PROPERTY OF	
50% of total cover:Remarks: (Include photo numbers here or on a separate sh	CHICAGONY BUT CONSTRUCTION OF CAMPACON MATERIAL PROPERTY OF	

inches)	Matrix Calar (maist)	D/ /	Redo	x Feature:	Tunal	1.002	Touture	Domarke
0-5	Color (moist)	186	Color (moist)		Type.	Loc-	5L	Remarks
	1011-41	100		7. 39.				
			A CONTRACTOR OF THE PARTY OF TH					
	Taranga kasama			1		77.00		
		TO SECURITY OF THE SECURITY OF			The Contract	-		And the control of th
				-	Aprilation			
				-				
	The second of th			-				
	A SECURE TAKEN PERSONS CONTROL OF						2,	
	oncentration, D=Deple Indicators:	tion, RM=Rec	luced Matrix, MS	S=Masked	Sand Gra	ins.		PL=Pore Lining, M=Matrix. licators for Problematic Hydric Soils <sup>3</sup> :
_ Histoso			_ Dark Surface	(S7)				2 cm Muck (A10) (MLRA 147)
_ Histic E	pipedon (A2)		_ Polyvalue Be	low Surfac				Coast Prairie Redox (A16)
	istic (A3)		_ Thin Dark Su			47, 148)		(MLRA 147, 148)
	en Sulfide (A4) d Layers (A5)	_	<ul><li>Loamy Gleye</li><li>Depleted Ma</li></ul>		F2)			Piedmont Floodplain Soils (F19) (MLRA 136, 147)
	uck (A10) (LRR N)	<u> </u>	_ Redox Dark		6)			Very Shallow Dark Surface (TF12)
_ Deplete	d Below Dark Surface		_ Depleted Dar	k Surface	(F7)			Other (Explain in Remarks)
	ark Surface (A12)		_ Redox Depre			DD N		
CAST TO SOME ARRESTS. 5. 400.	Mucky Mineral (S1) (LR A 147, 148)	R N, _	_ Iron-Mangan MLRA 13		es (F12) (L	.RR N,		
	Gleyed Matrix (S4)	_	_ Umbric Surfa		MLRA 13	6, 122)	3	indicators of hydrophytic vegetation and
	Redox (S5)	_	_ Piedmont Flo					wetland hydrology must be present,
	Matrix (S6) Layer (if observed):		_ Red Parent N	Material (F.	21) (MLR	4 127, 147)		unless disturbed or problematic.
Type:	Layer (ii observed):							
A Salar et al Salar and All Sa	ches):						Hvdric S	oil Present? Yes No
emarks:					1			
			· / Radel	Bedro	ck)			
	refusal @ 5	5 inches	( ICOCAC)					
	refusal @ 5	5 inches	( Rosse)					
	refusal @ 5	5 inches	( Rober)					
	refusal @ 5	5 inches	( Rocc)					
	refusal @ 5	5 inches	( Rober )					
	refusal @ 5	5 inches	( Rober )					
	refusal @ 5	5 inches	( Rober )					
	refusal @ 5	5 inches	( Rober )					
	refusal @ 5	5 inches	( Rober )					
	refusal @ 5	5 inches	(Roce)					
	refusal @ 5	5 inches	(Roce)					
	refusal @ 5	5 inches	(Rober)					
emarks: Auger	refusal @ 5	5 inches	(Rober)					
	refusal @ 5	5 inches	(Rober)					
	refusal @ 5	5 inches	(Rober)					
	refusal @ 5	5 inches	(Roce)					
	refusal @ 5	5 inches	(Rober)					



Upland data point wrap016\_u facing east.



Upland data point wrap016\_u facing south.

Photo Sheet 2 of 2