WEILAN	ID DETERMINAT	ION DATA FORM -	- Eastern Mounta	ins and Pledmo	ont Region
Project/Site: A CP		City/C	ounty: Randolph		Sampling Date: 3/17/2016
					_ Sampling Point: wrap 019e_
Investigator(s): ESI (R.					
					Slope (%): 10-15
Eubrasian (LDD or MLDA)	I OR N	38 /1747	Lang.	80 15591	Datum: WG584
Soil Map Unit Name: Gilpin					
Are climatic / hydrologic condit					
					resent? Yes No
Are Vegetation, Soil	, or Hydrology	naturally problema	tic? (If needed,	explain any answer	rs in Remarks.)
SUMMARY OF FINDIN	GS - Attach site	map showing sam	pling point locati	ons, transects	, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Downslope of Stri No photos taken	Yes Yes Y		Is the Sampled Area within a Wetland?	Yes	
HYDROLOGY					
Wetland Hydrology Indicate	ors:			Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum	of one is required; che	eck all that apply)		Surface Soil	Cracks (B6)
Surface Water (A1)	Brook transpolicy for all the second sections	_ True Aquatic Plants (E	314)		etated Concave Surface (B8)
High Water Table (A2)		_ Hydrogen Sulfide Odd		Drainage Pat	
Saturation (A3)		Oxidized Rhizosphere			
Water Marks (B1)		Presence of Reduced		Dry-Season \	Water Table (C2)
Sediment Deposits (B2)		Recent Iron Reduction		Crayfish Burr	
Drift Deposits (B3)		Thin Muck Surface (C			sible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Other (Explain in Rem			ressed Plants (D1)
Iron Deposits (B5)				Geomorphic	
Inundation Visible on Aer	ial Imagery (B7)			Shallow Aqui	
Water-Stained Leaves (E					phic Relief (D4)
Aquatic Fauna (B13)				FAC-Neutral	
Field Observations:					
Surface Water Present?	Yes No 🗸	Depth (inches): N	A		
Water Table Present?	Yes / No	Depth (inches):			
Saturation Present?	Yes No	Depth (inches): 1 Depth (inches): 0	Wetland	Hydrology Presen	t? Yes No
(includes capillary fringe)					
Describe Recorded Data (stre	am gauge, monitoring	well, aerial photos, prev	vious inspections), if av	ailable:	
B					
Remarks:					

\$	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft. × 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: Z (B)
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:
	= 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 =
		FAC species x 3 =
1. None		
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		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9,		3 - Prevalence Index is ≤3.0¹
	= Total Cover	1.7
50% of total cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 30 Pl. x 30 Ft.)		data in Remarks or on a separate sheet)
	ZO Y FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Athyrinm asplenioides	20 1 1772	
2. Dicharthelium scoparium	30 Y FACW	¹Indicators of hydric soil and wetland hydrology must
3.		be present, unless disturbed or problematic.
4		Definitions of Four Vegetation Strata:
5.		Deminions of Four vegetation Strata.
		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6,		more in diameter at breast height (DBH), regardless of
7		. height.
8,		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	or size, and woody plants loss than o'ze it tell
	2078 bi total cover,	그리트 경험생활 아니라 마스 아이들 이 가는 사람들이 되었다. 그 아이들 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들
Mondy Vino Ctratum (Diet size: VIII > 4/41)		Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft. x 30 ft.)		Woody vine – All woody vines greater than 3.28 ft in height.
1. None	Christian Committee Commit	
	Christian Committee Commit	
1. none		
1. None 2.		height.
1. None 2		height. Hydrophytic
1. None 2.		height.
1. None 2. 3. 4.	= Total Cover	height. Hydrophytic Vegetation

Depth	Matrix			x Features					
inches)	Color (moist)	_%	Color (moist)	%	Type ¹	Loc²	Texture	action of parties were a new toront	Remarks
0-20	104R3/1	100					SCL		
		-		-	-				Televisia ya ya kata a mana ga a mana a
						Tropic Services			
				-				#5 14 Committee	
				-					
			e grander de L						
				1900 Co. 1900 Co.					
	oncentration, D=Depl	letion, RM=Re	duced Matrix, M	S=Masked	Sand Gra	ins.		: PL=Pore Lin	
	Indicators:								roblematic Hydric Soil:
_ Histosol			Dark Surface	ers. The least the second section of	(00) (00				A10) (MLRA 147)
_ Histic Ep _ Black His	pipedon (A2)		Polyvalue Be Thin Dark St				148)	Coast Prairie (MLRA 14	
	n Sulfide (A4)		Loamy Gley			17, 140)			oodplain Soils (F19)
The second secon	Layers (A5)		Depleted Ma					(MLRA 13	
_ 2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface (Fi					v Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Da					Other (Expla	in in Remarks)
	ark Surface (A12) lucky Mineral (S1) (L	DD N	Redox Depre Iron-Mangar			DD N			
	1 147, 148)	.RRN, -	MLRA 13		:5 (F 12) (L	.RR IV,			
	leyed Matrix (S4)		Umbric Surfa		MLRA 13	5, 122)		Indicators of h	ydrophytic vegetation ar
_ Sandy R			Piedmont Flo					wetland hydro	ology must be present,
	Matrix (S6)		Red Parent I	Material (F2	21) (MLR/	127, 147	")	unless disturb	ed or problematic.
	ayer (if observed):								
Type:			-				l		V / N-
A SECTION OF PLAN ASSESSED.	ches):		-				Hydric	Soil Present?	Yes No
emarks:									
Unable	to retrieve	depleted	layer be	low de	-K su	rface.			

	- Eastern Mountains and Pleumont Region
Project/Site: ACP City/C	County: Randolph Sampling Date: 3/17/2016
Applicant/Owner: Dominion	State: WV Sampling Point: Wrap 019.
Investigator(s): ESI (R. Turnbull) Section	on, Township, Range: N/A
Landform (hillslope, terrace, etc.): hillslope Local reli	
Subregion (LRR or MLRA): LRRN Lat: 38.61739	
Soil Map Unit Name: Gilpin channery silt leam, 15-25%	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	가게 가득하는 하는 요즘 전 전에 가는 아는 아는 사람들은 살아가는 것이 없어요. 이 그 사람들에 가는 사람들에게 하는 것이 되었다. 그는 그 사는 그는 것이 되었다. 그 사람들이 없는 사람들이 살아 없다면 되었다.
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks:	
Downslape of strip mine. No photos taken	
No photos Taken	
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 (I	B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Ode	2018의 소입에 가장 보고 있다면 있다면 되었다. 그는 사람들은 사람들은 사람들은 보고 있는 것이 없는 것이다. 그런 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이다.
Saturation (A3) Oxidized Rhizosphere	
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (C	19일(요한 다른데) 그 나는 이 이 이 이 사람들은 이 가지 않는데 한다. 그는 이렇지 않는데 하지만 하게 되었다면 하지만 하지만 하지만 하지만 하지만 하지만 하지만 하는데 되었다. 그는 이 사람들은 이 사람들이 어느로 이 어느로 이 사람들이 어느로 이
Algal Mat or Crust (B4) Other (Explain in Ren	
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:	1.
Surface Water Present? Yes No Depth (inches): \(\text{\texts} \)	
Water Table Present? Yes No Depth (inches): >	
Saturation Present? Yes No Depth (inches): > (includes capillary fringe)	8 Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available:
Domaile	
Remarks: auger refusal at 8 inches, no surface	ce hydrology indicators noted.

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30Ft. x 30 Ft.)		Species?		Number of Dominant Species
1. Fagus grandifilia	40	Y	FACU	That Are OBL, FACW, or FAC: (A)
2. Acer saecharum	20	Y	FACU	
3. Betula allegheniensis	20	4	FAC	Total Number of Dominant Species Across All Strata: [B]
J. Personal Control of the Control o			Production Control for the Control	Species Across Air Strata:(b)
4				Percent of Dominant Species That Are ORL FACW or FAC: 40 (A/B)
5				That Are OBL, FACW, or FAC: 40 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
	80	= Total Cove	er ,	1
50% of total cover: 40	20% of	total cover:	16	OBL species
Sapling/Shrub Stratum (Plot size: 30 Ft.)				FACW species x 2 = 8
1. none				FAC species x 3 = 12.0
2				FACU species
3				UPL species
4				Column Totals: 110 (A) 400 (B)
5	A MacKinson Control of the Control o	Parking a commercial and the	(LA quest return total total	Prevalence Index = B/A = 3.64
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 Cove	er	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover:	20% of	total cover:		
Herb Stratum (Plot size: 30 Ft. & 30 Ft.)				data in Remarks or on a separate sheet)
1. Athurium asplenioides	20	Y	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Polystichum acrostichoides			FACU	
	A MEDICOLORUM DISSO	CARROLL MARK OF BURNEY, CO.		¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6			1000000	more in diameter at breast height (DBH), regardless of
7.				height.
8			and principles	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.				I I All be a second a second as a second a
	30	= Total Cove		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 15	The second secon	The state of the s		of Size, and troody plants loss than older it is
Woody Vine Stratum (Plot size: 30ft, × 30ft,)	2070 01	total cover.		Woody vine – All woody vines greater than 3.28 ft in
1. None				height.
 Construction of the property of t	2000 0 602 0 3000 603 605 605			
2				
3	la Capana de comercia			
4				Hydrophytic
5				Vegetation
	0	= Total Cove	er	Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)		N GWT CA COM	
50% of total cover: Remarks: (include photo numbers here or on a separate s	20% of			Tes in its

Profile Des	cription: (Describe	to the dept	h needed to docur	nent the i	ndicator	or confirm	n the abs	sence o	and the last that the	AND MARKET TO CARLOT	1 Ointe. 22 34
Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	x Feature:	Type ¹	I nc²	Text	ure.		Remar	ks
0-8	2.54 3/3	100	Color (moist)	-70	Турс	Loc	SC	-	2 (2)	el pre.	
0-0	41113						- 30	-	9100	el pre.	CPIT
				-							
					Language of the second					March Control	
							-				
		-									
				1							
Tuno: C. C	encontration D. Don	lation DM	Doduced Matrix MS	Maskad	Sand Cra	ine	21 posti	on, DI	Doro Lin	ng, M=Mat	riv
	oncentration, D=Dep Indicators:	letion, Rivi=	Reduced Matrix, Mi	5=Masked	Sand Gra	ins.					Hydric Soils ³ :
_ Histoso			Dark Surface	(57)						A10) (MLR	
	pipedon (A2)		Dark Surface Polyvalue Be		re (S8) (M	Ι ΡΔ 147				Redox (A	
	istic (A3)		Thin Dark Su				140)		MLRA 14		10,
Sedan kondinenti kelebih deli kelebih	en Sulfide (A4)		Loamy Gleye	AND THE PROPERTY OF STREET OF		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		A CONTRACTOR AND A		oodplain S	oils (F19)
	d Layers (A5)		Depleted Ma						MLRA 13		
_ 2 cm M	uck (A10) (LRR N)		Redox Dark !	Surface (F	6)						face (TF12)
	d Below Dark Surface	e (A11)	Depleted Dar					Oth	er (Expla	in in Rema	rks)
TO THE PROPERTY AND ADDRESS OF THE PARTY.	ark Surface (A12)		Redox Depre								
	Mucky Mineral (S1) (L	RR N,	Iron-Mangan		es (F12) (L	RR N,					
	A 147, 148) Gleyed Matrix (S4)		MLRA 13 Umbric Surfa		MI DA 12	122)		3India	ators of h	vdronhytic	vegetation and
	Redox (S5)		Piedmont Flo				(8)				be present,
	Matrix (S6)		Red Parent N							ed or prob	
	Layer (if observed):										No. of the last of
N. Children Bullion and	ches):						Hydri	c Soil P	resent?	Yes	No
emarks:	0110071	turners your hearings	AND THE PROPERTY OF THE PROPER				1	rs (Faulderstein) Ter		Contraction	STANDARD STANDARD
Auger	refusal (a	9 8 in	ches (Roca	u/Bed	(rock)						

WETLAND DETERMINATION DATA FORM	I – Eastern Mountains and Piedmont Region
Project/Site: ACP City/	County: Randolph Sampling Date: 3/17/2016
Applicant/Owner: Dominion	State: WV Sampling Point: Wap 020e
Investigator(s): ESI (R. Turnbull) Section	tion, Township, Range: N/A
	elief (concave, convex, none):
	Long: 80, 15653 Datum: WG584
Soil Map Unit Name: Udorthents mudstone and shale, I	OW base NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	
	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally distributed from the second fro	
SUMMARY OF FINDINGS – Attach site map showing sai	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Strip Mine	Is 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 Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants Hydrogen Sulfide O	(B14) Sparsely Vegetated Concave Surface (B8) dor (C1) Drainage Patterns (B10) eres on Living Roots (C3) Moss Trim Lines (B16) ed Iron (C4) Dry-Season Water Table (C2) ion in Tilled Soils (C6) Crayfish Burrows (C8) (C7) Saturation Visible on Aerial Imagery (C9)
Field Observations:	0
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	Wetland Hydrology Present? Yes No
Remarks:	

Sampling Point: Wrap 820 e-w

	Absolute	Dominant		Dominance Test worksheet:		
Tree Stratum (Plot size: 30ft. x 30ft.)		Species?		Number of Dominant Species That Are OBL, FACW, or FAC:	2	_ (A)
2				Total Number of Dominant Species Across All Strata:	2	_ (B)
4,				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	_ (A/B)
6				Prevalence Index worksheet:		
7				Total % Cover of:	Multiply by	
		= Total Cove	er	OBL species x 1	At the horse of the control of the	
50% of total cover:	_ 20% of	total cover:_		FACW species x 2	No contribution of the contribution	SERVICE AND THE SERVICE
Sapling/Shrub Stratum (Plot size: 30ft, x 30ft.)				FAC species x 3	A STATE OF CASC SECURISES	
1. none				TO THE REPORT OF THE PROPERTY		
2				FACU species x 4		
3				UPL species x 5		
4				Column Totals: (A)		(B)
5				Prevalence Index = B/A = _		
6				Hydrophytic Vegetation Indicate	Property of Casal Supersystems	
7				1 - Rapid Test for Hydrophytic		
B				2 - Dominance Test is >50%	, rogotamon	
9				3 - Prevalence Index is ≤3.01		
	6 -	= Total Cove	er	4 - Morphological Adaptations	1 (Provide su	nnorting
50% of total cover:	_ 20% of	total cover:_		data in Remarks or on a se		harver of the state of the stat
Herb Stratum (Plot size: 30 Pt. x 30 Ft.)			<i>_</i> .	Problematic Hydrophytic Vego		
1. Juneus effisus 2. Dichanthelium scoparium	20	<u>Y</u>	FACW	Problematic Hydrophytic vego	station (Expi	anny
2. Dichanthelium scoparium	40	4	FACH	11	and builded and	
3				¹ Indicators of hydric soil and wetla be present, unless disturbed or pre-	nd nydrology oblematic.	must
4				Definitions of Four Vegetation S		
5						
6				Tree - Woody plants, excluding vi	nes, 3 in. (7.6	6 cm) or
7				more in diameter at breast height height.	(DBH), Tegan	uless of
8						
9.				Sapling/Shrub – Woody plants, e than 3 in. DBH and greater than o	xcluding vine	es, less
10				m) tall.	r equal to 5.2	.5 1. (1
11.			VIII.		.A planta roa	ordlose
	60 .	= Total Cove	r	Herb – All herbaceous (non-wood of size, and woody plants less tha	n 3.28 ft tall.	aruless
50% of total cover: 36	20% of	total cover:	12			
Woody Vine Stratum (Plot size: 30 Ft. x 30 Ft.)				Woody vine – All woody vines green height.	ater than 3.2	28 ft in
1. Mone				riegia		
2						
3,						
4.						
5				Hydrophytic Vegetation		
	0 .	= Total Cove		Present? Yes	No	
50% of total cover:						
Remarks: (Include photo numbers here or on a separate sh		total cover	100000000000000000000000000000000000000			
remarks, finding bridge figures here of our a separate si	icci.)					

	cription: (Describe	to the dept				or confirm	the absen	ce of indicato	ors.)	
Depth (inches)	Matrix	%	Redo	x Features		Los²	Touture		Remarks	
(inches)	Color (moist)	70	Color (moist)	30	Type¹	Loc²	CL		Remarks	
0-15	18972311		10712416			-				
				1						
										SECTION AND AREA
				-						
		-		-	No. of the last					
¹Type: C=C	oncentration, D=De	oletion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ains.	² Location:	PL=Pore Lini	ng, M=Matrix.	
Hydric Soil		Jiodon, raw	roduced madiny m	- maonoa					oblematic Hy	dric Soils3:
Histosol			Dark Surface	e (S7)					A10) (MLRA 1	
Thomas and the Control of the Additional Control	pipedon (A2)		Polyvalue Be	elow Surfac			148)	Coast Prairie		
	istic (A3)		Thin Dark St			47, 148)		(MLRA 14		
	en Sulfide (A4)		Loamy Gley	raca galanta perebatan baran 17. T. s	F2)		-		odplain Soils	(F19)
	d Layers (A5) uck (A10) (LRR N)		Depleted Ma		E)			(MLRA 13	Dark Surface	(TE12)
	d Below Dark Surface	ce (A11)	Depleted Da				=		in in Remarks)	
	ark Surface (A12)	, , , , ,	Redox Depre							
	Mucky Mineral (S1) (LRR N,	Iron-Mangar			LRR N,				
- 1, 4 C = C 2: E 5 C C 2: E 5 C E 5 E 5 E 5 E 5 E 5 E 5 E 5 E 5 E	A 147, 148)		MLRA 13							
	Gleyed Matrix (S4)		Umbric Surfa						ydrophytic veg	
	Redox (S5)		Piedmont Flo						logy must be p	
	d Matrix (S6) Layer (if observed)	•	Red Parent I	viateriai (F	21) (MLR	A 127, 147	1	uniess disturb	ed or problem	auc.
		•								
Type:	Marketing place Continues Advisor State of Modello Michigan Continues Anni						Hudric S	nil Procent?	Yes/	No
Depth (in Remarks:	ches):	an arthur 120 ann an an					Hydric 30	un Flesent:	163	. 140
A	refusal @	15 inc	hes (Rock)	Bedrock	e)					
1 mger	101									



Wetland data point wrap020e_w facing southwest.



Wetland data point wrap020e_w facing southeast.

Photo Sheet 1 of 3

WETLAND DETERMINATION				
Project/Site: ACP	City/County:	Randolph		Sampling Date: 3/17/2016
Applicant/Owner: Dominion				
Investigator(s): ESI (R. Turnbull)	Section, Towns	hip, Range: N	IA	
Landform (hillslope, terrace, etc.):Skrip mine	Local relief (conca-	ve. convex. none):	concave	Slope (%): Z-5%
Subregion (LRR or MLRA):LRR_ NLat:	38.61701	Long: -80.11	5647	Datum: WG584
Soil Map Unit Name: Udortherts, mudstone				
Are climatic / hydrologic conditions on the site typical for the				
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology				
SUMMARY OF FINDINGS – Attach site map	3 Snowing Sampling p	oint locations, t	ransects,	important leatures, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Strip Mine	No Is the Se	ampled Area Wetland?	Yes	
HYDROLOGY Wellend Underland Indicators		Sasa	adanı İndical	oss (minimum of two required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check al	II that apply)		urface Soil (ors (minimum of two required)
TO CONTRACT THE PROPERTY OF TH	ue Aquatic Plants (B14)			etated Concave Surface (B8)
High Water Table (A2)	ydrogen Sulfide Odor (C1)		rainage Pat	
Saturation (A3)	xidized Rhizospheres on Livir	ng Roots (C3) N	loss Trim Lir	
	esence of Reduced Iron (C4)			Vater Table (C2)
	ecent Iron Reduction in Tilled	Soils (C6)	rayfish Burr	
No. 40.4 ## (19.50) (19.50)	nin Muck Surface (C7)			sible on Aerial Imagery (C9) ressed Plants (D1)
Algal Mat or Crust (B4) Ot Ot Ot Ot	her (Explain in Remarks)			Position (D2)
Inundation Visible on Aerial Imagery (B7)			hallow Aquit	
Water-Stained Leaves (B9)				phic Relief (D4)
Aquatic Fauna (B13)		<u>√</u> F	AC-Neutral	Test (D5)
Field Observations:	Automatic des 1990 de		100	
Surface Water Present? Yes No D	epth (inches):8			
Water Table Present? Yes No D	Pepth (inches): Surface			
Saturation Present? Yes No D (includes capillary fringe)	epth (inches): surface	Wetland Hydrol	ogy Presen	t? Yes No
Describe Recorded Data (stream gauge, monitoring well	, aerial photos, previous insp	ections), if available:	ATTACH MARKET WAS	
Remarks:				
-				

Sampling Point: wrap 620 5- W

7001 -700	Absolute	Dominant		Dominance Test worksheet:		
Tree Stratum (Plot size: 30ft. x30ft.) 1. nne	Parameter description of the same	Species?	Action was a series of the	Number of Dominant Species That Are OBL, FACW, or FAC:	2	_ (A)
2				Total Number of Dominant	2	(B)
				Species Across All Strata:	-	_ (D)
4				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)
6		-		Prevalence Index worksheet:		2.50.5045.05
7					Multiply by	
	ß	= Total Cov	/er	Total % Cover of:	ri-tersolitistis president activiti-	
50% of total cover:	20% of	total cover		OBL species x 1		
Sapling/Shrub Stratum (Plot size: 30 ft. x 36 ft.)				FACW species x 2	- IV. V (Auto-attis contains non-th	
1. Salix discolor	80	<u>Y</u>	FACW	FAC species x 3		
2		Parling		FACU species x 4		
3				UPL species x 5		
4				Column Totals: (A)		(B)
5				Prevalence Index = B/A =		
6				Hydrophytic Vegetation Indicat	And the second section is a second section of	
7				1 - Rapid Test for Hydrophyti		
8.				2 - Dominance Test is >50%	c vegetation	
9						
		= Total Cov	er	3 - Prevalence Index is ≤3.0¹	1	
50% of total cover: 40				4 - Morphological Adaptation		
Herb Stratum (Plot size: 30 Pt. + 30 Ft.)				data in Remarks or on a s		
1. Dichanthelium scoparina	30	Y	FACW	— Problematic Hydrophytic Veg	etation¹ (Expl	ain)
2						
3.				¹ Indicators of hydric soil and wetla	and hydrology	must
				be present, unless disturbed or pr		10.04
4				Definitions of Four Vegetation S	Strata:	
5				Tree - Woody plants, excluding v	ines, 3 in. (7.6	cm) or
6,				more in diameter at breast height	(DBH), regard	dless of
7				height.		
8				Sapling/Shrub - Woody plants, e	excluding vine	s, less
9				than 3 in. DBH and greater than of	r equal to 3.2	8 ft (1
10				m) tall.		
11	30	= Total Cov	er .	Herb – All herbaceous (non-wood of size, and woody plants less that	ly) plants, reg in 3.28 ft tall.	ardless
50% of total cover: 15 Woody Vine Stratum (Plot size: 30ft, x 30ft,)	20% of	total cover	6	Woody vine – All woody vines gr	eater than 3.2	8 ft in
1. None				height.		
2						
		10.100.000				
3						
4				Hydrophytic		
5	0		PART TO SER	Vegetation Present? Yes	No	
		= Total Cov		riesenti ies	110	
50% of total cover:	/ 11% DI	total cover:				

	cription: (Describe	to the depth				or confirm	the absenc	e of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Features %	Type	Loc ²	Texture	Remarks
0-15	104R3/1	80	104R4/6	20	C	M	CL	
						AT MAKE AT ALL	THE RESERVE OF THE PARTY.	
¹Type: C=C	oncentration, D=Dep	letion RM=R	educed Matrix M	S=Masked	Sand Gra	ains	21 ocation:	PL=Pore Lining, M=Matrix.
Hydric Soil		iction, Kivi-Ki	saucea Maarx, M	3-Waskeu	Jana Gre	anto.		cators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surfac				The state of the s	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			47, 148)		(MLRA 147, 148) Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma		-'			(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark					Very Shallow Dark Surface (TF12)
	d Below Dark Surface ark Surface (A12)	e (A11)	Depleted Da Redox Depr				_	Other (Explain in Remarks)
	Aucky Mineral (S1) (L	.RR N,	Iron-Mangar			LRR N,		
	A 147, 148)		MLRA 13	real for the street of the				
Sandy C	Gleyed Matrix (S4)		Umbric Surfa Piedmont FI					dicators of hydrophytic vegetation and vetland hydrology must be present,
	Matrix (S6)		Red Parent					inless disturbed or problematic.
	Layer (if observed):							
Type:			_					
	ches):		_				Hydric So	il Present? Yes No No
Remarks:								
Anne	refusal @	15 inche	5 (Roch/	Bedrock	()			
1177	121030							
ALUMES CASSILLA VII								



Wetland data point wrap020s_w facing northwest.



Wetland data point wrap020s_w facing southwest.

Photo Sheet 2 of 3

	WETLAN	DETERMIN	IATION DATA	FORM -	Eastern Mo	ountain	s and F	Piedmo	ont Region	
Project/Site:	ALP			City/Cou	nty: Ran	dolph			Sampling Date	te: 3/17/16
										Point: Wrap020_
Investigator(s):	EST (R.	Turnbull)		Section.	Township, R	ange:	NIA		_ ,	
Landform (hillslo	ne terrace etc	1. strip m	ine	Local relief	(concave co	nvev none	0): 00	ne ave		Slope (%): 4-lo?
Subragion (LDD	or MI DAN	I-Re N	Lat. 38 61	715	Lo	na V	0 156	40	Da	ntum: WG 5 84
Sabregion (ERK	or wicky.	la be mude	books and -	1.1. 1	, hese	ing	A. 128	-116	Da	A
										4
			pical for this time							
										No
Are Vegetation _	, Soil	, or Hydrolog	y naturall	y problemation	? (If n	needed, ex	xplain any	y answer	s in Remarks.)
SUMMARY	OF FINDING	S – Attach s	ite map show	ing samp	ling point	location	ns, trar	isects,	important	features, etc.
Hydric Soil Pres Wetland Hydrol Remarks:	logy Present?	Yes _ Yes _ Yes _	No	ls w	the Sample ithin a Wetla		Yes	5	_ No	
Strip M Vegelah	line on recenth	mowed								
HYDROLOG	Υ									
Wetland Hydro	ology Indicator	s:					Secondar	y Indicat	ors (minimum	of two required)
Primary Indicate	ors (minimum o	f one is required	check all that ap	ply)			Surfa	ce Soil C	Cracks (B6)	
- No. Committee of the	r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aeria ned Leaves (B9 una (B13)		True Aqual Hydrogen S Oxidized R Presence of Recent Iron Thin Muck Other (Exp	Sulfide Odor of thizospheres of Reduced In Reduction in Surface (C7)	C1) on Living Roo on (C4) n Tilled Soils (ots (C3) (C6)	Drain Moss Dry-S Crayf Satur Stunt Geon Shall	age Patt Trim Lin Season V fish Burro ration Vis ted or Str morphic F ow Aquit	erns (B10) les (B16) Vater Table (Cows (C8) lible on Aerial lessed Plants Position (D2) ard (D3) ohic Relief (D4)	Imagery (C9) (D1)
		Van Na	/ Dooth fine	han N/						
Surface Water I Water Table Pro Saturation Pres (includes capilla Describe Recor	esent? sent? ary fringe)	Yes No.	Depth (inc Depth (inc Depth (inc	thes): N/A	w w			Present	? Yes	No
Remarks:			,				100			
No soil	present (rface hy	gravel / rock drology in	dicators	refusal noted	at sur	face,				

Sampling Point: wrap 020-4

7001.7001.	Absolute	Dominant	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Dominance Test worksheet:		
Tree Stratum (Plot size: 30ft. x 30ft.) 1. None	Contractive the section will be	Species?	Sure of the sure of the sure of the	Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
3				Total Number of Dominant Species Across All Strata:	2	(B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC:	50	(A/B)
6				Prevalence Index worksheet:		111111111111111111111111111111111111111
7	0			Total % Cover of:	Multiply by:	
50% of total cover:				OBL species x 1 =	. 0	
Sapling/Shrub Stratum (Plot size: 36 Ft. x 30 Ft.)	2070 01	total cover		FACW species x 2 =	. 0	
To a substitute of the state of the Armer and Armer				FAC species 5 x 3 =	. 15	
1. 0004				FACU species 80 x 4 =	320	
2				LIPI species Q x5:	- 0	
3				Column Totals: 85 (A)	335	(B)
4				Coldilli Totals (A)		_ (5)
5				Prevalence Index = B/A =		-
- BANG SULVEN NOT NEW YORK NOT				Hydrophytic Vegetation Indicator		
7				1 - Rapid Test for Hydrophytic	Vegetation	
8				2 - Dominance Test is >50%		
9	n.			3 - Prevalence Index is ≤3.0¹		
50% of total cover:		= Total Cov		4 - Morphological Adaptations ¹	(Provide sup	porting
Herb Stratum (Plot size: 30ft. x 30ft.)	20 /6 01	total cover		data in Remarks or on a se	parate sheet)	
Herb Stratum (Plot Size:	80	V	FACU	Problematic Hydrophytic Vege	tation ¹ (Expla	in)
1. Festica pubra	5	- 11	FAC			
2. Eupetorium capillifolium				¹ Indicators of hydric soil and wetlan	nd hydrology i	nust
3.				be present, unless disturbed or pro	blematic.	
4		-		Definitions of Four Vegetation St	rata:	
5				Top Mondy plants evaluding vin	oc 2 in /7 E	cm) or
6				Tree – Woody plants, excluding vir more in diameter at breast height (I	DBH), regard	ess of
7	1000	12/4/2011/06/04		height.		
8				Sapling/Shrub – Woody plants, ex	rluding vines	loss
9,				than 3 in. DBH and greater than or	equal to 3.28	ft (1
10				m) tall.		
11	85			Herb - All herbaceous (non-woody) plants, rega	rdless
50% of total cover: 42	5 2004 -5	= Total Cov	er 17	of size, and woody plants less than	3.28 II tall.	
Woody Vine Stratum (Plot size: 30ft. x30ft.)	.5 20% 01	total cover	- 17	Woody vine - All woody vines great	ater than 3.28	Ift in
A DESCRIPTION OF THE PROPERTY				height.		
1. none			-			
2	Literary or brook, and					
3						
4			•	Hydrophytic		
5				Vegetation		
500/ -54-4-1		= Total Cov		Present? Yes	NO	
50% of total cover:		total cover				
Remarks: (Include photo numbers here or on a separate s	sheet.)					
					and the state of the	CC10,7920 /800

Profile Description: (Describe to the dept	h needed to document the indicator of	or confirm the	absence of indica	tors.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type ¹	1002	Texture	Remarks
(inches) Color (moist) %	Color (moist) % Type ¹	Loc	Texture	Remarks
¹ Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, MS=Masked Sand Gra	ins. ² Lc	ocation: PL=Pore Li	ning, M=Matrix.
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3)	Dark Surface (S7) Polyvalue Below Surface (S8) (M Thin Dark Surface (S9) (MLRA 1)		2 cm Muck Coast Prair (MLRA	Problematic Hydric Soils ³ : (A10) (MLRA 147) rie Redox (A16) 147, 148)
Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) (LRR N) Depleted Below Dark Surface (A11)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7)		(MLRA 1	Floodplain Soils (F19) 136, 147) ow Dark Surface (TF12) lain in Remarks)
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)	Redox Depressions (F8)Iron-Manganese Masses (F12) (IMLRA 136)			hydrophytic vegetation and
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6)	Umbric Surface (F13) (MLRA 13) Piedmont Floodplain Soils (F19) Red Parent Material (F21) (MLRA	(MLRA 148)	wetland hyd	rology must be present, rbed or problematic.
Restrictive Layer (if observed):				
Type:				
Depth (inches):	The state of the s	Н	yarıc Soli Present	? Yes No
No soil present (gravel/	rock)			
Auger refusal @ surf	ace			



Upland data point wrap020_u facing northwest.



Upland data point wrap020_u facing northeast.

Photo Sheet 3 of 3

WETLAND DETERMINATION DATA FORM	I – Eastern Mountains and Piedmont Region
Project/Site: ACP City/	County: Randolph Sampling Date: 3/17/2016
Applicant/Owner: Dominion	State: WV Sampling Point: Wap 020e
Investigator(s): ESI (R. Turnbull) Section	tion, Township, Range: N/A
	elief (concave, convex, none):
	Long: 80, 15653 Datum: WG584
Soil Map Unit Name: Udorthents mudstone and shale, I	OW base NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	
	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally distributed from the second fro	
SUMMARY OF FINDINGS – Attach site map showing sai	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Strip Mine	Is 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 Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants Hydrogen Sulfide O	(B14) Sparsely Vegetated Concave Surface (B8) dor (C1) Drainage Patterns (B10) eres on Living Roots (C3) Moss Trim Lines (B16) ed Iron (C4) Dry-Season Water Table (C2) ion in Tilled Soils (C6) Crayfish Burrows (C8) (C7) Saturation Visible on Aerial Imagery (C9)
Field Observations:	0
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	Wetland Hydrology Present? Yes No
Remarks:	

Sampling Point: Wrap 820 e-w

	Absolute	Dominant		Dominance Test worksheet:		
Tree Stratum (Plot size: 30ft. x 30ft.)		Species?		Number of Dominant Species That Are OBL, FACW, or FAC:	2	_ (A)
2				Total Number of Dominant Species Across All Strata:	2	_ (B)
4,				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	_ (A/B)
6				Prevalence Index worksheet:		
7				Total % Cover of:	Multiply by	
		= Total Cove	er	OBL species x 1	At the horse of the control of the	
50% of total cover:	_ 20% of	total cover:_		FACW species x 2	No contribution of the contribution	SERVICE AND SERVICE
Sapling/Shrub Stratum (Plot size: 30ft, x 30ft.)				FAC species x 3	A STATE OF CASC SECURISES	
1. none				TO THE REPORT OF THE PROPERTY		
2				FACU species x 4		
3				UPL species x 5		
4				Column Totals: (A)		(B)
5				Prevalence Index = B/A = _		
6				Hydrophytic Vegetation Indicate	Property of Casal Supersystems	
7				1 - Rapid Test for Hydrophytic		
B				2 - Dominance Test is >50%	, rogotamon	
9				3 - Prevalence Index is ≤3.01		
	6 -	= Total Cove	er	4 - Morphological Adaptations	1 (Provide su	nnorting
50% of total cover:	_ 20% of	total cover:_		data in Remarks or on a se		harver of the state of the stat
Herb Stratum (Plot size: 30 Pt. x 30 Ft.)			<i>_</i> .	Problematic Hydrophytic Vego		
1. Juneus effisus 2. Dichanthelium scoparium	20	<u>Y</u>	FACW	Problematic Hydrophytic vego	station (Expi	anny
2. Dichanthelium scoparium	40	4	FACH	11	and builded and	
3				¹ Indicators of hydric soil and wetla be present, unless disturbed or pre-	nd nydrology oblematic.	must
4				Definitions of Four Vegetation S		
5						
6				Tree - Woody plants, excluding vi	nes, 3 in. (7.6	6 cm) or
7				more in diameter at breast height height.	(DBH), regain	uless of
8						
9.				Sapling/Shrub – Woody plants, e than 3 in. DBH and greater than o	xcluding vine	es, less
10				m) tall.	r equal to 5.2	.5 1. (1
11.			VIII.		.A planta roa	ordlose
	60 .	= Total Cove	r	Herb – All herbaceous (non-wood of size, and woody plants less tha	n 3.28 ft tall.	aruless
50% of total cover: 36	20% of	total cover:	12			
Woody Vine Stratum (Plot size: 30 Ft. x 30 Ft.)				Woody vine – All woody vines green height.	ater than 3.2	28 ft in
1. Mone				riegia		
2						
3,						
4.						
5				Hydrophytic Vegetation		
	0 .	= Total Cove		Present? Yes	No	
50% of total cover:						
Remarks: (Include photo numbers here or on a separate sh		total cover	100000000000000000000000000000000000000			
remarks, finding bridge figures here of our a separate si	icci.)					

	cription: (Describe	to the dept				or confirm	the absen	ce of indicato	ors.)	
Depth (inches)	Matrix	%	Redo	x Features		Los²	Touture		Remarks	
(inches)	Color (moist)	70	Color (moist)	30	Type¹	Loc²	CL		Remarks	
0-15	18972311		10712416			-				
				1						
										SECTION AND AREA
				-						
		-		-	No. of the last					
¹Type: C=C	oncentration, D=De	oletion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ains.	² Location:	PL=Pore Lini	ng, M=Matrix.	
Hydric Soil		Jiodon, raw	roduced madiny m	- maonoa					oblematic Hy	dric Soils3:
Histosol			Dark Surface	e (S7)					A10) (MLRA 1	
Thomas and the Control of the Additional Control	pipedon (A2)		Polyvalue Be	elow Surfac			148)	Coast Prairie		
	istic (A3)		Thin Dark St			47, 148)		(MLRA 14		
	en Sulfide (A4)		Loamy Gley	raca galanta perebatan baran 17. T. s	F2)		-		odplain Soils	(F19)
	d Layers (A5) uck (A10) (LRR N)		Depleted Ma		E)			(MLRA 13	Dark Surface	(TE12)
	d Below Dark Surface	ce (A11)	Depleted Da				=		in in Remarks)	
	ark Surface (A12)	,,,,,	Redox Depre							
	Mucky Mineral (S1) (LRR N,	Iron-Mangar			LRR N,				
- 1, 4 C = C 2: E 5 C C 2: E 5 C E 5 E 5 E 5 E 5 E 5 E 5 E 5 E 5 E	A 147, 148)		MLRA 13							
	Gleyed Matrix (S4)		Umbric Surfa						ydrophytic veg	
	Redox (S5)		Piedmont Flo						logy must be p	
	d Matrix (S6) Layer (if observed)	•	Red Parent I	viateriai (F	21) (MLR	A 127, 147	1	uniess disturb	ed or problem	auc.
		•								
Type:	Marketing place Continues Advisor State of Modello Michigan Continues Anni						Hudric S	nil Procent?	Yes/	No
Depth (in Remarks:	ches):	an arthur 12 de annue					Hydric 30	un Flesent:	163	. 140
A	refusal @	15 inc	hes (Rock)	Bedrock	e)					
1 mger	101									



Wetland data point wrap020e_w facing southwest.



Wetland data point wrap020e_w facing southeast.

Photo Sheet 1 of 3

WETLAND DETERMINATION				
Project/Site: ACP	City/County:	Randolph		Sampling Date: 3/17/2016
Applicant/Owner: Dominion				
Investigator(s): ESI (R. Turnbull)	Section, Towns	hip, Range: N	IA	
Landform (hillslope, terrace, etc.):Skrip mine	Local relief (conca-	ve. convex. none):	concave	Slope (%): Z-5%
Subregion (LRR or MLRA):LRR_ NLat:	38.61701	Long: -80.11	5647	Datum: WG584
Soil Map Unit Name: Udortherts, mudstone				
Are climatic / hydrologic conditions on the site typical for the				
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology				
SUMMARY OF FINDINGS – Attach site map	3 Snowing Sampling p	oint locations, t	ransects,	important leatures, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Strip Mine	No Is the Se	ampled Area Wetland?	Yes	
HYDROLOGY Wellend Underland Indicators		Sasa	adanı İndical	oss (minimum of two required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check al	II that apply)		urface Soil (ors (minimum of two required)
TO CONTRACT THE PROPERTY OF TH	ue Aquatic Plants (B14)			etated Concave Surface (B8)
High Water Table (A2)	ydrogen Sulfide Odor (C1)		rainage Pat	
Saturation (A3)	xidized Rhizospheres on Livir	ng Roots (C3) N	loss Trim Lir	
	esence of Reduced Iron (C4)			Vater Table (C2)
	ecent Iron Reduction in Tilled	Soils (C6)	rayfish Burr	
No. 40.4 ## (19.50) (19.50)	nin Muck Surface (C7)			sible on Aerial Imagery (C9) ressed Plants (D1)
Algal Mat or Crust (B4) Ot Ot Ot Ot	her (Explain in Remarks)			Position (D2)
Inundation Visible on Aerial Imagery (B7)			hallow Aquit	
Water-Stained Leaves (B9)				phic Relief (D4)
Aquatic Fauna (B13)		<u>√</u> F	AC-Neutral	Test (D5)
Field Observations:	Automatic des 1990 de 1990 de 1990 de 1990 de 1990 de 1990 de 1990 de 1990 de 1990 de 1990 de 1990 de 1990 de		100	
Surface Water Present? Yes No D	epth (inches):8			
Water Table Present? Yes No D	Pepth (inches): Surface			
Saturation Present? Yes No D (includes capillary fringe)	epth (inches): surface	Wetland Hydrol	ogy Presen	t? Yes No
Describe Recorded Data (stream gauge, monitoring well	, aerial photos, previous insp	ections), if available:	ATTACH MARKET WAS	
Remarks:				
-				

Sampling Point: wrap 620 s_w

7001 -700	Absolute	Dominant		Dominance Test worksheet:		
Tree Stratum (Plot size: 30ft. x30ft.) 1. nne	Parameter description of the same	Species?	Action was a series of the	Number of Dominant Species That Are OBL, FACW, or FAC:	2	_ (A)
2				Total Number of Dominant	2	(B)
				Species Across All Strata:	-	_ (D)
4				Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)
6		-		Prevalence Index worksheet:		2.50.5045.05
7					Multiply by	
	ß	= Total Cov	/er	Total % Cover of:	ri-tersolitistis president activiti-	
50% of total cover:	20% of	total cover		OBL species x 1		
Sapling/Shrub Stratum (Plot size: 30 ft. x 36 ft.)				FACW species x 2	- IV. V (Auto-attis contains non-th	
1. Salix discolor	80	<u>Y</u>	FACW	FAC species x 3		
2		Parling		FACU species x 4		
3				UPL species x 5		
4				Column Totals: (A)		(B)
5				Prevalence Index = B/A =		
6				Hydrophytic Vegetation Indicat	And the second section is a second section of	
7				1 - Rapid Test for Hydrophyti		
8.				2 - Dominance Test is >50%	c vegetation	
9						
		= Total Cov	er	3 - Prevalence Index is ≤3.0¹	1	
50% of total cover: 40				4 - Morphological Adaptation		
Herb Stratum (Plot size: 30 Pt. + 30 Ft.)				data in Remarks or on a s		
1. Dichanthelium scoparina	30	Y	FACW	— Problematic Hydrophytic Veg	etation¹ (Expl	ain)
2						
3.				¹ Indicators of hydric soil and wetla	and hydrology	must
				be present, unless disturbed or pr		10.04
4				Definitions of Four Vegetation S	Strata:	
5				Tree - Woody plants, excluding v	ines, 3 in. (7.6	cm) or
6,				more in diameter at breast height	(DBH), regard	dless of
7				height.		
8				Sapling/Shrub - Woody plants, e	excluding vine	s, less
9				than 3 in. DBH and greater than of	r equal to 3.2	8 ft (1
10				m) tall.		
11	30	= Total Cov	er .	Herb – All herbaceous (non-wood of size, and woody plants less that	ly) plants, reg in 3.28 ft tall.	ardless
50% of total cover: 15 Woody Vine Stratum (Plot size: 30ft, x 30ft,)	20% of	total cover	6	Woody vine – All woody vines gr	eater than 3.2	8 ft in
1. None				height.		
2						
		10.100.000				
3						
4				Hydrophytic		
5	0		PART TO SER	Vegetation Present? Yes	No	
		= Total Cov		riesenti ies	110	
50% of total cover:	/ 11% DI	total cover:				

	cription: (Describe	to the depth				or confirm	the absenc	e of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Features %	Type	Loc ²	Texture	Remarks
0-15	104R3/1	80	104R4/6	20	C	M	CL	
						AT MAKE AT ALL	THE RESERVE OF THE PARTY.	
¹Type: C=C	oncentration, D=Dep	letion RM=R	educed Matrix M	S=Masked	Sand Gra	ains	21 ocation:	PL=Pore Lining, M=Matrix.
Hydric Soil		iction, Kivi-Ki	saucea Maarx, M	3-Waskeu	Jana Gre	anto.		cators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surfac				The state of the s	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			47, 148)		(MLRA 147, 148) Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma		-'			(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark					Very Shallow Dark Surface (TF12)
	d Below Dark Surface ark Surface (A12)	e (A11)	Depleted Da Redox Depr				_	Other (Explain in Remarks)
	Aucky Mineral (S1) (L	.RR N,	Iron-Mangar			LRR N,		
	A 147, 148)		MLRA 13	real for the street of the				
Sandy C	Gleyed Matrix (S4)		Umbric Surfa Piedmont FI					dicators of hydrophytic vegetation and vetland hydrology must be present,
	Matrix (S6)		Red Parent					inless disturbed or problematic.
	Layer (if observed):							
Type:			_					
	ches):		_				Hydric So	il Present? Yes No No
Remarks:								
Anne	refusal @	15 inche	5 (Roch/	Bedrock	()			
1177	121030							
ALUMES CASSILLA VII								



Wetland data point wrap020s_w facing northwest.



Wetland data point wrap020s_w facing southwest.

Photo Sheet 2 of 3

	WETLAN	DETERMIN	IATION DATA	FORM -	Eastern Mo	ountain	s and F	Piedmo	ont Region	
Project/Site:	ALP			City/Cou	nty: Ran	dolph			Sampling Date	te: 3/17/16
										Point: Wrap020_
Investigator(s):	EST (R.	Turnbull)		Section.	Township, R	ange:	NIA		_ ,	
Landform (hillslo	ne terrace etc	1. strip m	ine	Local relief	(concave co	nvev none	0): 00	ne ave		Slope (%): 4-lo?
Subragion (LDD	or MI DAN	I-Re N	Lat. 38 61	715	Lo	na V	0 156	40	Da	ntum: WG 5 84
Sabregion (ERK	or wicky.	la be mude	books and -	1.1. 1	, hese	ing	A. 128	-116	Da	A
										4
			pical for this time							
										No
Are Vegetation _	, Soil	, or Hydrolog	y naturall	y problemation	? (If n	needed, ex	xplain any	y answer	s in Remarks.)
SUMMARY	OF FINDING	S – Attach s	ite map show	ing samp	ling point	location	ns, trar	isects,	important	features, etc.
Hydric Soil Pres Wetland Hydrol Remarks:	logy Present?	Yes _ Yes _ Yes _	No	ls w	the Sample ithin a Wetla		Yes	5	_ No	
Strip M Vegelah	line on recenth	mowed								
HYDROLOG	Υ									
Wetland Hydro	ology Indicator	s:					Secondar	y Indicat	ors (minimum	of two required)
Primary Indicate	ors (minimum o	f one is required	check all that ap	ply)			Surfa	ce Soil C	Cracks (B6)	
- No. Committee of the	r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aeria ned Leaves (B9 una (B13)		True Aqual Hydrogen S Oxidized R Presence of Recent Iron Thin Muck Other (Exp	Sulfide Odor of thizospheres of Reduced In Reduction in Surface (C7)	C1) on Living Roo on (C4) n Tilled Soils (ots (C3) (C6)	Drain Moss Dry-S Crayf Satur Stunt Geon Shall	age Patt Trim Lin Season V fish Burro ration Vis ted or Str morphic F ow Aquit	erns (B10) les (B16) Vater Table (Cows (C8) lible on Aerial lessed Plants Position (D2) ard (D3) ohic Relief (D4)	Imagery (C9) (D1)
		Van Na	/ Dooth fine	han N/						
Surface Water I Water Table Pro Saturation Pres (includes capilla Describe Recor	esent? sent? ary fringe)	Yes No.	Depth (inc Depth (inc Depth (inc	thes): N/A	w w			Present	? Yes	No
Remarks:			,				100			
No soil	present (rface hy	gravel / rock drology in	dicators	refusal noted	at sur	face,				

Sampling Point: wrap 020-4

7001.7001.	Absolute	Dominant	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Dominance Test worksheet:		
Tree Stratum (Plot size: 30ft. x 30ft.) 1. None	Contractive the section will be	Species?	Sure of the sure of the sure of the	Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)
3				Total Number of Dominant Species Across All Strata:	2	(B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC:	50	(A/B)
6				Prevalence Index worksheet:		111111111111111111111111111111111111111
7	0			Total % Cover of:	Multiply by:	
50% of total cover:				OBL species x 1 =	. 0	
Sapling/Shrub Stratum (Plot size: 36 Ft. x 30 Ft.)	2070 01	total cover		FACW species x 2 =	. 0	
To a substitute of the state of the Armer and the Armer and the Armer and the Armer and the Armer and the Armer and the Armer and Armer				FAC species 5 x 3 =	. 15	
1. 0004				FACU species 80 x 4 =	320	
2				LIPI species Q x5:	- 0	
3				Column Totals: 85 (A)	335	(B)
4				Coldilli Totals (A)		_ (5)
5				Prevalence Index = B/A =		-
- BANG SULVEN NOT NEW YORK NOT NOT NOT NOT NOT NOT NOT NOT NOT NOT				Hydrophytic Vegetation Indicator		
7				1 - Rapid Test for Hydrophytic	Vegetation	
8				2 - Dominance Test is >50%		
9	n.			3 - Prevalence Index is ≤3.0¹		
50% of total cover:		= Total Cov		4 - Morphological Adaptations ¹	(Provide sup	porting
Herb Stratum (Plot size: 30ft. x 30ft.)	20 /6 01	total cover		data in Remarks or on a se	parate sheet)	
Herb Stratum (Plot Size:	80	V	FACU	Problematic Hydrophytic Vege	tation ¹ (Expla	in)
1. Festica pubra	5	- 11	FAC			
2. Eupetorium capillifolium				¹ Indicators of hydric soil and wetlan	nd hydrology i	nust
3.				be present, unless disturbed or pro	blematic.	
4		-		Definitions of Four Vegetation St	rata:	
5				Top Mondy plants evaluding vin	oc 2 in /7 E	cm) or
6				Tree – Woody plants, excluding vir more in diameter at breast height (I	DBH), regard	ess of
7	1000	12/4/2011/05/05		height.		
8				Sapling/Shrub – Woody plants, ex	rluding vines	loss
9,				than 3 in. DBH and greater than or	equal to 3.28	ft (1
10				m) tall.		
11	85			Herb - All herbaceous (non-woody) plants, rega	rdless
50% of total cover: 42	5 2004 -5	= Total Cov	er 17	of size, and woody plants less than	3.28 II tall.	
Woody Vine Stratum (Plot size: 30ft. x30ft.)	.5 20% 01	total cover	- 17	Woody vine - All woody vines great	ater than 3.28	Ift in
A DESCRIPTION OF THE PROPERTY				height.		
1. none			-			
2	Literary or process, and					
3						
4			•	Hydrophytic		
5				Vegetation		
500/ -54-4-1		= Total Cov		Present? Yes	NO	
50% of total cover:		total cover				
Remarks: (Include photo numbers here or on a separate s	sheet.)					
					and the state of the	CC10,7920 /800

Profile Description: (Describe to the dept	h needed to document the indicator of	or confirm the	absence of indica	tors.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type ¹	1002	Texture	Remarks
(inches) Color (moist) %	Color (moist) % Type ¹	Loc	Texture	Remarks
¹ Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, MS=Masked Sand Gra	ins. ² Lc	ocation: PL=Pore Li	ning, M=Matrix.
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3)	Dark Surface (S7) Polyvalue Below Surface (S8) (M Thin Dark Surface (S9) (MLRA 1)		2 cm Muck Coast Prair (MLRA	Problematic Hydric Soils ³ : (A10) (MLRA 147) rie Redox (A16) 147, 148)
Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) (LRR N) Depleted Below Dark Surface (A11)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7)		(MLRA 1	Floodplain Soils (F19) 136, 147) ow Dark Surface (TF12) lain in Remarks)
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)	Redox Depressions (F8)Iron-Manganese Masses (F12) (IMLRA 136)			hydrophytic vegetation and
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6)	Umbric Surface (F13) (MLRA 13) Piedmont Floodplain Soils (F19) Red Parent Material (F21) (MLRA	(MLRA 148)	wetland hyd	rology must be present, rbed or problematic.
Restrictive Layer (if observed):				
Type:				
Depth (inches):	The state of the s	Н	yarıc Soli Present	? Yes No
No soil present (gravel/	rock)			
Auger refusal @ surf	ace			



Upland data point wrap020_u facing northwest.



Upland data point wrap020_u facing northeast.

Photo Sheet 3 of 3

W	ETLAND DETERMIN	ATION DATA FORM	– Eastern Mountai	ns and Piedmo	ont Region
Project/Site:	ACP	City/0	County: Randolph		Sampling Date: 3/17/2016
Applicant/Owner:	Dominion			_ State: _ WV	_ Sampling Point: Wrap 021F_
Investigator(s): E53	[(R. Turnbull)	Secti	on, Township, Range:	NIA	
				Balance Commission of Service Commission (Service Commission)	Slope (%): 10-15 %
Subregion (LRR or M	IRA): LRRN	Lat: 38.61648	Long: -8	0.15585	Datum: WG584
					ation: PFO
	gic conditions on the site typ				
	그 사이 내용하게 열심하는 경세가 하는 사람들이 전혀 있는 것 같습니다	그렇게 하다 뭐 하지 않는 요요? 이렇게 하면 맛있는 물리를 살려면 되어 버릇을			
					resent? Yes No
	_, Soil, or Hydrolog				
SUMMARY OF I	FINDINGS – Attach s	ite map showing san	npling point location	ons, transects,	important features, etc.
Remarks: Downslope			Is the Sampled Area within a Wetland?	Yes	No
100 Politics	decor for the fe	corure.	NCM HW:	Headwater F	Forest
HYDROLOGY					
Wetland Hydrology	/ Indicators:			Secondary Indicat	ors (minimum of two required)
	minimum of one is required;	check all that apply)		Surface Soil C	Cracks (B6)
Surface Water (High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru Iron Deposits (E Inundation Visib Water-Stained L Aquatic Fauna (lle (A2) 1) sits (B2) 33) ust (B4) 35) ble on Aerial Imagery (B7) Leaves (B9)	True Aquatic Plants (Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduced Recent Iron Reduction Thin Muck Surface (C) Other (Explain in Rer	or (C1) es on Living Roots (C3) d Iron (C4) on in Tilled Soils (C6) C7)	Drainage Patt Moss Trim Lir Dry-Season V Crayfish Burro	nes (B16) Vater Table (C2) ows (C8) sible on Aerial Imagery (C9) ressed Plants (D1) Position (D2) ard (D3) ohic Relief (D4)
Field Observations			,		
Surface Water Prese Water Table Presen Saturation Present? (includes capillary fri Describe Recorded	t? Yes No	Depth (inches): Depth (inches): Depth (inches): Oring well, aerial photos, pre) Wetland H		?? Yes No
Remarks:					

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30Pt. x30 Pt.)	% Cover Species? Status	Number of Dominant Species
1. Betala allegheniensis		That Are OBL, FACW, or FAC: (A)
		- Marrie Obe, Friend, of Frie
2		Total Number of Dominant
3	The second secon	Species Across All Strata: 2 (B)
4.		
5		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
		- Mat Ale OBL, FACW, of FAC (A/B)
6		Prevalence Index worksheet:
7	TO THE STREET OF	Total % Cover of: Multiply by:
	50 = Total Cover	
50% of total cover: 25	20% of total cover: O	
Sapling/Shrub Stratum (Plot size: 30 ft. x 30 ft.)		FACW species x 2 =
Comparison of a separate agreement agreement agreement agreement and a separate of the comparison of t		FAC species x 3 =
1. none		FACU species x 4 =
2		프라크 : BB의 회의 : 플레이스프램의 회에의 기자 : Gallette et authorisation parties patelling (1) 가는 스타트 (1) 모든 BB의 : Gallette e
3		
4		Column Totals: (A) (B)
5		
		Prevalence Index = B/A =
6		Hydrophytic Vegetation Indicators:
7.		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9		
	= Total Cover	3 - Prevalence Index is ≤3.01
		4 - Morphological Adaptations ¹ (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. Athyrium asplenioides	30 K FAC	Problematic Hydrophytic Vegetation (Explain)
2		
		Indicators of hydric soil and wetland hydrology must
3		 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		
	34 - 11	Herb – All herbaceous (non-woody) plants, regardless
	= Total Cover	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 13	20% of total cover: 6	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30ft. ≥ 30ft.)		height.
1. None		
2.		
BIOLOGICA STANDAR PERCENTENCIA DE CARA PERCENTA PER PERCENTA LA PERCENTA DE PRESENTA PER PERCENTA PER PERCENTA	Commission of State Property and the control of	
3.		
4. The state of th		- Hydrophytic
5.		Vegetation
	= Total Cover	Present? Yes No
50% of total cover:	Fig. 6. Commencer and the first of the first	
Remarks: (Include photo numbers here or on a separate s	neet.)	
		보통하다 사람이 항상을 하는 것이 되었습니다. 그런 이 나가 하는 것 같은 것을 했다.

nches)	Matrix Color (maist)	n/		ox Features	Turnel	l nc²	Tautura		Domestic	
0-5	Color (moist)	%	Color (moist)	_ %	Type ¹	Loc ²	Texture		Remarks	
	The last stores and other colours of consequences	100	1.		-		CL			
5-20	104R4/1	80	104R 5/6	20		<u>M</u>	CL			19
		a Localina de la composición dela composición de la composición de la composición dela composición dela composición dela composición dela composición de la composición de la composición dela composición	and the second second							
Name of State				Aug State						
					V51717-JF					
						And the second of				
					- 10 May 100	216. m. Alighay				
pe: C=C	oncentration, D=Dep	oletion, RM	=Reduced Matrix, N	S=Masked	Sand Gra	ins.	² Location: P	L=Pore Lini	ng, M=Matrix.	
	Indicators:								oblematic Hy	dric Soils ³ :
Histosol	(A1)		Dark Surfac	e (S7)			2	cm Muck (A	A10) (MLRA 1	47)
Histic Ep	oipedon (A2)		Polyvalue B	elow Surfac	e (S8) (M	LRA 147,	148) C	oast Prairie	Redox (A16)	
Black Hi			Thin Dark S			17, 148)		(MLRA 14		
	n Sulfide (A4)		Loamy Gley		2)		P		odplain Soils	(F19)
	d Layers (A5) ick (A10) (LRR N)		Depleted M Redox Dark		.,			(MLRA 13	6, 147) Dark Surface	(TE12)
	Below Dark Surfac	e (A11)	Depleted Da						in in Remarks)	
	ark Surface (A12)	,c (A11)	Redox Depi					trici (Expia	iii iii recinane)	
	lucky Mineral (S1) (LRR N,	Iron-Manga			RR N,				
	147, 148)		MLRA 1							
	Gleyed Matrix (S4)		Umbric Surf						ydrophytic veg	
	Redox (S5)		Piedmont F						logy must be p	
	Matrix (S6)		Red Parent	Material (F2	1) (MLRA	127, 147) un	ess disturb	ed or problema	itic.
	Layer (if observed)									
Type:							11d=t= C=11	D12	V /	
Depth (inc	cnes):						Hydric Soil	Present?	Yes	NO
narks:										

WEILAND DETERMINATION				
Project/Site: ACP	City/County:	Randolph		Sampling Date: 3/17/2016
Applicant/Owner: Dominion		Sta	ate: WV	Sampling Point: Wrap 021_u
Investigator(s): ESI (R. Turnbull)	Section, Tow	nship, Range:	N/A	
Landform (hillslope, terrace, etc.): hillslope				
Subregion (LRR or MLRA):LRR_ N Lat:				
Soil Map Unit Name: Gilpin channery silt				
Are climatic / hydrologic conditions on the site typical for				[1] [[대] [[1] [[대] [[대] [[대] [[대] [[대] [
그 가게 있어요. 아이는 아이들은 것이 되었다면 하는 사람들은 사람들은 사람들은 사람들이 되었다면 하는데 얼마를 하는데 하는데 없었다.	얼마 그리트 기계가 내통되었다. 현기가 되었다고 ~~			
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology				
SUMMARY OF FINDINGS – Attach site m	ap showing sampling	point locations,	transects,	important features, etc.
	_ No within	Sampled Area a Wetland?	Yes	_ No
Downslope of Strip Mine.				
No photos taken				
HYDROLOGY				
Wetland Hydrology Indicators:		Seco	ondary Indicate	ors (minimum of two required)
Primary Indicators (minimum of one is required; check	call that apply)		Surface Soil C	racks (B6)
Surface Water (A1)	True Aquatic Plants (B14)		Sparsely Vege	etated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	<u> </u>	Drainage Patte	erns (B10)
Saturation (A3)	Oxidized Rhizospheres on Li	ving Roots (C3) I	Moss Trim Line	es (B16)
Water Marks (B1)	Presence of Reduced Iron (C	(4)	Dry-Season W	ater Table (C2)
	Recent Iron Reduction in Till	ed Soils (C6)	Crayfish Burro	ws (C8)
	Thin Muck Surface (C7)			ible on Aerial Imagery (C9)
	Other (Explain in Remarks)	:	Stunted or Stre	essed Plants (D1)
Iron Deposits (B5)			Geomorphic P	
Inundation Visible on Aerial Imagery (B7)			Shallow Aquita	
Water-Stained Leaves (B9)				hic Relief (D4)
Aquatic Fauna (B13)		<u> </u>	FAC-Neutral T	est (D5)
Field Observations:	1.			
	Depth (inches): N/A			
	Depth (inches): > \5			
	Depth (inches): >15	Wetland Hydro	logy Present	? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring w	vell, aerial photos, previous ir	spections), if available	ente del martine de vida di	
Remarks:				

Sampling	Point:Wra	p021-4
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204 . 204	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30fl. x 30fh.) 1. Betula allegheniensis	The second of the second of the second	Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
10	40	= Total Cove	er	OBL species x 1 =
50% of total cover: 20	20% of	total cover:	8	TO SEED COMES OF THE PROPERTY
Sapling/Shrub Stratum (Plot size: 30ft. × 30ft.) 1. Fagus grandifolia	10	V	ENCIL	FACW species x 2 = FAC species x 3 = 12.0
1. Fagus grandifolia	10		MCU	FACU species 10 x 4 = 40
2				UPL species x 5 =
3				Column Totals: 50 (A) 160 (B)
5				Prevalence Index = B/A = 3.2
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.01
	10	= Total Cove	er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:5	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30 Ft. ≥ 30 Ft.)				Problematic Hydrophytic Vegetation¹ (Explain)
2				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of 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.				No. 1. All back and described a second secon
		= Total Cove		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% 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.
2				
3	of facult hims years to all			
4				Hydrophytic
5		Marie 19 1.13		Vegetation
50% of total cover:		= Total Cove total cover:		Present? Yes No
Remarks: (Include photo numbers here or on a separate s			Page State of the	

Depth	Matrix		th needed to docur Redo	x Feature				
inches)	Color (moist)	_%_	Color (moist)	%	_Type ¹	Loc²	Texture	Remarks
0-8	104R4/3	106					CL	
8-15	104R 5 4	95	104R5/6	5		<u>M</u>	CL	
		-		-	-	1000		
		Variation				- Company		
		10000						
		-			-			
	oncentration, D=Depl	etion, RM	=Reduced Matrix, MS	S=Masked	Sand Gra	ins.		PL=Pore Lining, M=Matrix. cators for Problematic Hydric Soils ³ :
	Indicators:		Dark Surface	(67)				2 cm Muck (A10) (MLRA 147)
 Histosol Histic En 	oipedon (A2)		Polyvalue Be		ce (S8) (M	LRA 147.		Coast Prairie Redox (A16)
_ Black His			Thin Dark Su					(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		F2)		_	Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Ma					(MLRA 136, 147)
	ick (A10) (LRR N) d Below Dark Surface	(A11)	Redox Dark : Depleted Dark :					Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
	ark Surface (A12)	. (/ / / /	Redox Depre				-	Cure, (Explain, in terms)
T. 2003 TREDELIC OF SUCCESSES	lucky Mineral (S1) (L	RR N,	Iron-Mangan	ese Mass		RR N,		
	A 147, 148)		MLRA 13					
	Gleyed Matrix (S4)		Umbric Surfa					dicators of hydrophytic vegetation and
_ Sandy R	Redox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 148	B) w	retland hydrology must be present,
_ Sandy R				odplain S	oils (F19)	(MLRA 148	B) w	
_ Sandy R	Redox (S5) Matrix (S6)		Piedmont Flo	odplain S	oils (F19)	(MLRA 148	B) w	retland hydrology must be present,
_ Sandy Ro _ Stripped estrictive L Type:	Redox (S5) Matrix (S6)		Piedmont Flo	odplain S	oils (F19)	(MLRA 148	B) w) u	retland hydrology must be present,
_ Sandy Ro _ Stripped estrictive L Type:	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo	odplain S	oils (F19)	(MLRA 148	B) w) u	retland hydrology must be present, nless disturbed or problematic.
Sandy R Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
Sandy R Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (incemarks:	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (incemarks:	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
Sandy R Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (inc	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (incemarks:	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.
_ Sandy R _ Stripped estrictive L Type: Depth (incommarks:	Redox (S5) Matrix (S6) Layer (if observed):		Piedmont Flo Red Parent N	oodplain S Material (F	oils (F19) 21) (MLR	(MLRA 148 A 127, 147)	B) w) u	retland hydrology must be present, nless disturbed or problematic.

WETLAND DETERM	NATION DATA FORM – Eas	stern Mountains and Piedm	ont Region
Project/Site: ACP	City/County	: Randolph	Sampling Date: 3/17/2016
Applicant/Owner: Johnson		State: WV	Sampling Point: Wrap OZZe.
Investigator(s): ESI (R. Turnbull)	Section, To	wnship, Range: N/A	
Landform (hillslope, terrace, etc.): 567 p	Mine Local relief (co	ncave, convex, none); concave	Slope (%): Z-5%
Subregion (LRR or MLRA): LRR N	Lat: 38.61623	Long: -80, 15651	Datum: WG584
Soil Map Unit Name: Udorthents, Mu			
Are climatic / hydrologic conditions on the site			
Are Vegetation, Soil, or Hydrole	1.T. 5/11/41/5. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
Are Vegetation, Soil, or Hydrole			
SUMMARY OF FINDINGS – Attach	site map showing samplin	g point locations, transects	, important features, etc.
	S No Is the with	e Sampled Area in a Wetland? Yes <u>~</u>	
HYDROLOGY			
Wetland Hydrology Indicators:			tors (minimum of two required)
Primary Indicators (minimum of one is require	THE PROPERTY OF THE PROPERTY O		
Surface Water (A1) High Water Table (A2)	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1		getated Concave Surface (B8)
Saturation (A3)		Living Roots (C3) Moss Trim Li	
Water Marks (B1)	Presence of Reduced Iron		Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in Ti		
Drift Deposits (B3)	Thin Muck Surface (C7)	Saturation Vi	sible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks)	Stunted or Si	tressed Plants (D1)
Iron Deposits (B5)		Geomorphic	
Inundation Visible on Aerial Imagery (B7)	J	Shallow Aqui	
Water-Stained Leaves (B9)		Microtopogra	·
Aquatic Fauna (B13)			Test (D5)
Field Observations:			
	Depth (inches): 3		
The Table of Michigan State (1997) And the and proceedings of the processing (1991) And Table (1997) And Andrew State (1997) Andrew State (1997) And Andrew State (1997) Andrew St	Depth (inches): surface	Wetland Hydrology Presen	va Vas / Na
Saturation Present? Yes N (includes capillary fringe)	Depth (inches): sur mice	wetland Hydrology Presen	t? Yes No
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous	inspections), if available:	
Remarks:			
Remarks.			

70 5: 70 6	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft. 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: 2 (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 =
	20% of total cover:	The control of the co
Sapling/Shrub Stratum (Plot size: 30 Ft. x 30 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		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9		3 - Prevalence Index is ≤3.0 ¹
50% of total cover:	= Total Cover	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 30 ft. x 30 ft.)	20% of total cover	data in Remarks or on a separate sheet)
1. Junes effests	20 Y FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
Dich and alian second	60 Y FACW	
2. Dichanthelium scoparium 3. Rubus allegheniensis	10 N FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Khons allegheniensis	5 N FACU	be present, unless disturbed or problematic.
4. Eupatorium capillifolium	Trees.	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 height.
8		Sanling/Shrub Woody plants ovelyding vinos loss
9		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10		m) tall.
11		Herb – All herbaceous (non-woody) plants, regardless
	95 = Total Cover	of size, and woody plants less than 3.28 ft tall.
	5 20% of total cover: 19	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		
5.	-10.5500 -0.000 -0.000	Hydrophytic Vegetation
	= Total Cover	Present? Yes No No
50% of total cover:		
Remarks: (Include photo numbers here or on a separate :	AND THE PROPERTY OF THE SECTION OF THE PROPERTY OF THE SECTION OF	
Remarks. (include prioro numbers here of on a separate	since.)	

Profile Description: (Describe to the dept	h needed to document the indicator or confirm	the absence of indicators.)	
Depth Matrix	Redox Features Color (moist) % Type ¹ Loc ²	Texture R	emarks
(inches) Color (moist) % 0-12 104R 3/1 100	Color (moist) % Type ¹ Loc ²	CL R	SIHGINS
0-12 104R3/1 100			
¹ Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M	
Hydric Soil Indicators:		Indicators for Problem	[[일] [[전] [[전] [[] [[] [[] [[] [[] [] [] [] [] [] []
Histosol (A1)	Dark Surface (S7)Polyvalue Below Surface (S8) (MLRA 147,	2 cm Muck (A10) (148) Coast Prairie Rede	
Histic Epipedon (A2) Black Histic (A3)	Polyvaide Below Surface (56) (MLRA 147, Thin Dark Surface (59) (MLRA 147, 148)	(MLRA 147, 14	(MANUAL TO THE PROPERTY OF TH
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Piedmont Floodpla	
Stratified Layers (A5)	Depleted Matrix (F3)	(MLRA 136, 14	
2 cm Muck (A10) (LRR N)	Redox Dark Surface (F6)	Very Shallow Dark	
✓ Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Dark Surface (F7)Redox Depressions (F8)	Other (Explain in F	Remarks)
Sandy Mucky Mineral (S1) (LRR N,	Iron-Manganese Masses (F12) (LRR N,		
MLRA 147, 148)	MLRA 136)		
Sandy Gleyed Matrix (S4)	Umbric Surface (F13) (MLRA 136, 122)	³ Indicators of hydrop	
Sandy Redox (S5)	— Piedmont Floodplain Soils (F19) (MLRA 14		
Stripped Matrix (S6)	Red Parent Material (F21) (MLRA 127, 147) unless disturbed or	problematic.
Restrictive Layer (if observed):			
Type:		Hydric Soil Present? Yes	No l
Depth (inches):		Tryune Son Fresenti Tes	
	1. 1.		
Auger refusal @ 12 inch	es (Roch Bedrock)		
J			



Wetland data point wrap022e_w facing southwest.



Wetland data point wrap022e_w facing northwest.

WE	LAND DETERMINATION				
Project/Site: ACF)	City/0	County: Ra	ndelph	_ Sampling Date: 3 17 2016
Applicant/Owner: Da	minion			State: WV	Sampling Point: Urap 022_
Investigator(s): ESI	(R. Turnbull)	Secti	on, Township, F	Range: N/A	
					Slope (%): 4-10%
Subregion (LRR or MLR)	A): L-RRN LA	38.61623	1	ong: -80,15646	Datum: WGS84
					ication: N/A
	conditions on the site typical f				
	얼마 그리 경기를 하는 것이 없는 것이 되었다. 이번 있는 일반이 얼마를 모르는 회에 되게 있었다.	기상으로는 경상은 보고 경험을 하는데 있다면 하고 있는데 없었다.			present? Yes No
	Soil, or Hydrology				
SUMMARY OF FIN	DINGS – Attach site r	nap showing san	ipling point	locations, transect	s, important features, etc.
Hydrophytic Vegetation Hydric Soil Present? Wetland Hydrology Pre Remarks:	Yes	No No No	Is the Sample within a Wetl	ed Area land? Yes	No
HYDROLOGY Wetland Hydrology In	dicators:			Secondary Indi	cators (minimum of two required)
	imum of one is required; chec	k all that apply)		Surface So	NAMED AND ADDRESS OF THE PROPERTY OF THE PARTY OF THE PAR
Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust Iron Deposits (B5) Inundation Visible (Water-Stained Lea Aquatic Fauna (B1)	(B2) (B4) (B7) ves (B9) (B9)	True Aquatic Plants (Hydrogen Sulfide Od Oxidized Rhizospher Presence of Reduced Recent Iron Reduction Thin Muck Surface (Other (Explain in Red	or (C1) es on Living Ro d Iron (C4) on in Tilled Soils C7)	Drainage P oots (C3)	n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9) Stressed Plants (D1) c Position (D2) uitard (D3) raphic Relief (D4)
Field Observations:			11		
Surface Water Present' Water Table Present? Saturation Present? (includes capillary fring Describe Recorded Dal	Yes No	Depth (inches): N Depth (inches): N Depth (inches): N well, aerial photos, pre	VA V	Vetland Hydrology Presens), if available:	ent? Yes No
Remarks: No soil po	resent (Rock/Bed urface hydrology	indicators	refusal	at surface,	

Sampling Point: Wrap 022 - 4

The state of the s	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: 2 (B)
4 5		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
50% of total cover:	= Total Cover	OBL species0 x 1 =0
Sapling/Shrub Stratum (Plot size: 30 ft, x30 ft.)	2076 of total cover	FACW species x 2 = 0
1		FAC species 0 x 3 = 0
2.		FACU species x 4 = 206
3.		UPL species6 x 5 =0
4		Column Totals: 50 (A) 200 (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 Adaptations ¹ (Provide supporting
50% of total cover:	20% of total cover:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30ft. x30ft.)	Un V FACIA	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Festuca rubra		
2. Enpatorium Capilli Folium 3.		¹ 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.
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		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 Woody Vine Stratum (Plot size:)	20% of total cover: 1 0	Woody vine – All woody vines greater than 3.28 ft in height.
1.		
2	Annual transcription of a state of the state	
3.		
4		Hydrophytic
5		Vegetation
50% of total cover:	= Total Cover 20% of total cover:	Present? Yes No
	An increase a second plant of the party of t	
50% of total cover:	20% of total cover:heet.)	

	cription: (Describe t	o the depth n	eeded to docu	ment the i	indicator	or confirm	the abse	ence of indicate	ors.)	
Depth (inches)	Matrix Color (moist)	% (Red Color (moist)	ox Feature %		Loc ²	Textur	ro	Remarks	
(inches)	Color (moist)		Joior (moist)		Type	Loc	rextur	e	Remaiks	
		America School							ALISANIA TARIF SALA	
					A STATE					
		**************************************				7.700	-			
		200								
								A TO SHOW THE TOTAL OF THE PARTY OF THE PART		
							170			
	oncentration, D=Depl	etion, RM=Red	duced Matrix, M	S=Masked	Sand Gr	ains.		n: PL=Pore Lini		
Hydric Soil							- 11	ndicators for P		
Histosol			_ Dark Surfac				_	2 cm Muck (
A STATE OF THE PARTY OF THE PAR	pipedon (A2)	-	_ Polyvalue B				148) _		Redox (A16)
	istic (A3) en Sulfide (A4)	<u> </u>	_ Thin Dark S			47, 148)		(MLRA 14		(F10)
	d Layers (A5)		Loamy GleyDepleted Ma		(Г2)		-	(MLRA 13		, (1 15)
	ick (A10) (LRR N)		_ Redox Dark		-6)				v Dark Surfac	e (TF12)
	d Below Dark Surface	(A11)	Depleted Da						in in Remark	
	ark Surface (A12)		Redox Depr							
Sandy N	Mucky Mineral (S1) (L	RR N, _	Iron-Mangar	nese Mass	es (F12) (LRR N,				
	A 147, 148)		MLRA 1							
	Gleyed Matrix (S4)	<u> </u>	_ Umbric Surf					3Indicators of h		
	Redox (S5)	-	_ Piedmont FI					wetland hydro		
	Matrix (S6)	<u> </u>	_ Red Parent	Material (F	21) (MLR	A 127, 147	"	unless disturb	ed or probler	nauc.
	Layer (if observed):									
Type:							1			
This of a street to early resemble	ches):		•		Maria de la companya		Hydric	Soil Present?	Yes	_ NO
Remarks:										
11 -	1									
100 501	refused @									
Auger	refused (a)	O mich	es							
,										



Upland data point wrap022_u facing southeast.



Upland data point wrap022_u facing northeast.

WETLAND DETERMINATION	DATA FORM – Easter	n Mountains	and Piedmo	nt Region
Project/Site: ACP	City/County:	Randolph		Sampling Date: 3/17/2016
Applicant/Owner: Dominion			State: WV	Sampling Point: Wrap 023e
Investigator(s): ESI (R. Turnbull)	Section, Townsh	ip, Range:	NA	
Landform (hillslope, terrace, etc.): Strip Mine			Planette Both State & Alberta and the State of State of the State of State	
Subregion (LRR or MLRA): LRR N Lat:				
Soil Map Unit Name: Udorthents, mudstone				
Are climatic / hydrologic conditions on the site typical for t				
보기를 하면 하는 사람들이 없는 것이 없는 것이 없는 것이 없는 것이 없었다. 그 없는 사람들은 사람들이 없는 사람들이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다면 없다.				
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology				
SUMMARY OF FINDINGS – Attach site ma	p showing sampling po	int location	s, transects,	important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Strip Mihe	No within a l	mpled Area Vetland?	Yes	_ No
HYDROLOGY				
Wetland Hydrology Indicators:		거 되었다면 얼마 됐다. 그 얼마 얼마하나요?	CONTRACTOR AND A PROPERTY OF THE PROPERTY OF T	ors (minimum of two required)
Primary Indicators (minimum of one is required; check a	SERVICE COMMISSION OF THE STREET CONTRACTOR OF		_ Surface Soil C	
	rue Aquatic Plants (B14) ydrogen Sulfide Odor (C1)			tated Concave Surface (B8)
	xidized Rhizospheres on Living		_ Moss Trim Line	
	resence of Reduced Iron (C4)		기계를 보다하게 되면 전혀 사이를 때문이 얼마면	ater Table (C2)
	ecent Iron Reduction in Tilled S		_ Crayfish Burro	경기 회사 가는 사람들이 가지 않는 것이 되었다. 그 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없었다.
	nin Muck Surface (C7)			ble on Aerial Imagery (C9)
	ther (Explain in Remarks)			essed Plants (D1)
Iron Deposits (B5)			_ Geomorphic P	
Inundation Visible on Aerial Imagery (B7)			_ Shallow Aquita	rd (D3)
Water-Stained Leaves (B9)			_ Microtopograp	hic Relief (D4)
Aquatic Fauna (B13)		<u> </u>	_ FAC-Neutral T	est (D5)
Field Observations:	,,			
Surface Water Present? Yes No D	epth (inches):			
Water Table Present? Yes No D	Depth (inches): Surface			
Saturation Present? Yes No D (includes capillary fringe)	Depth (inches): surface	Wetland Hyd	drology Present	? Yes No
Describe Recorded Data (stream gauge, monitoring wel	I, aerial photos, previous inspe	ctions), if availa	ble:	
Remarks:				
Salamanders				

Sampling Point: Wrap 013e-W

7,0, 7,0	Absolute Dominant Indicator	Dominance Test worksheet:
1. None	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2 3		Total Number of Dominant Species Across All Strata: (B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
6		Prevalence Index worksheet:
7	<u> </u>	Total % Cover of; Multiply by;
50% of total cover:	= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 30 ft. × 30 ft.)	20% of total cover:	FACW species x 2 =
		FAC species x 3 =
1. None		FACU species x 4 =
2.		UPL species x 5 =
3,		Column Totals: (A) (B)
4,		Column Totals (A) (B)
5.		Prevalence Index = B/A =
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	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover:	20% of total cover:	
Herb Stratum (Plot size: 30 Ft. × 36 Ft.)		data in Remarks or on a separate sheet)
1. Juneus effusus	30 Y FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Rubus allegheniensis	20 N FACU	
3. Enpetorium capillifolium	10 N FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Dicharthelium scoparium	20 N FACW	
5. Packera aurea		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.
B		Sapling/Shrub – Woody plants, excluding vines, less
9		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10.		my tan.
11.	110	Herb – All herbaceous (non-woody) plants, regardless
Fr	110 = Total Cover	of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30 ft. x 30 ft.)	20% of total cover: Z2	Woody vine – All woody vines greater than 3.28 ft in height.
1. none		
2.		
3		
4		Hydrophytic
5.		Vegetation
J	A	Present? Yes No No
	= Total Cover	이 그렇게 되었다면 하면 하면 하다 하는 것이 되었다. 그는 사람들은 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그

Profile Description: (Describ	e to the depth			tor or confirm	the absence of in	dicators.)
Depth Matrix	%		x Features	e¹ Loc²	Texture	Remarks
(inches) Color (moist)		OUR 5/6		C M	CL	Kemars
0 10 1012 3/1		0-112 316	10			
				Marine Marine Committee of the Committee		
			<u> </u>		<u> </u>	
¹ Type: C=Concentration, D=De	epletion, RM=Re	educed Matrix. M	S=Masked Sand	Grains.	² Location: PL=Por	re Lining, M=Matrix.
Hydric Soil Indicators:	piodon, ran-ra	Jacoba (Mathy W	o madrida dana	. Ordino.		for Problematic Hydric Soils ³ :
Histosol (A1)		Dark Surface	e (S7)			luck (A10) (MLRA 147)
Histic Epipedon (A2)			elow Surface (SE		Parties and the control of the contr	Prairie Redox (A16)
Black Histic (A3)Hydrogen Sulfide (A4)			urface (S9) (MLF ed Matrix (F2)	RA 147, 148)		RA 147, 148) ont Floodplain Soils (F19)
Stratified Layers (A5)		Depleted Ma				RA 136, 147)
2 cm Muck (A10) (LRR N)		Redox Dark	Surface (F6)		Very S	hallow Dark Surface (TF12)
Depleted Below Dark Surfa	ace (A11)		rk Surface (F7)		Other (Explain in Remarks)
Thick Dark Surface (A12)Sandy Mucky Mineral (S1)	(I DD N	Redox Depre Iron-Mangan		2) (I DD N		
MLRA 147, 148)	(LRR N,	MLRA 13		Z) (LKK N,		
Sandy Gleyed Matrix (S4)			ice (F13) (MLRA	A 136, 122)		s of hydrophytic vegetation and
Sandy Redox (S5)			oodplain Soils (F			hydrology must be present,
Stripped Matrix (S6)		Red Parent I	Material (F21) (N	ILRA 127, 147	n) unless d	listurbed or problematic.
Restrictive Layer (if observed	1):					
Type: Depth (inches):		-			Hydric Soil Pres	ent? Yes No
Remarks:	OSB TO THE CONTRACTOR				Tryune son tres	ciit. 165 ito
Auger refusal @	, 10 inche	2				
,						



Wetland data point wrap023e_w facing southwest.



Wetland data point wrap023e_w facing northwest.

WETLAND D	DETERMINATION DATA	A FORM – Easter	n Mountains	and Piedmo	ont Region
Project/Site: ACP		City/County:	Randolph		Sampling Date: 3/17/2016
Applicant/Owner: Dominion					
Investigator(s): ESI (R. Turn	bull)	Section Townsh	nin Panner	NIA	
Landform (hillslope, terrace, etc.): _				A CHARLES CONTROL OF THE PARTY	
Subregion (LRR or MLRA):					
Soil Map Unit Name: Udorthen		경기를 통해하는 이번에 대한 경기를 하는 것이 되었다.			
Are climatic / hydrologic conditions	시험은 100 일을 위한 경험 등 전쟁 12일을 느껴있는 10일을 받았다.				
Are Vegetation, Soil	, or Hydrology signific	cantly disturbed?	Are "Normal Ci	ircumstances" pr	resent? Yes No
Are Vegetation, Soil	, or Hydrology natural	lly problematic?	(If needed, exp	olain any answer	s in Remarks.)
SUMMARY OF FINDINGS -	- Attach site map show	wing sampling po	oint location	s, transects,	important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Strip Mine	Yes No Yes No Yes No	within a	mpled Area Wetland?	Yes	No
HYDROLOGY					
Wetland Hydrology Indicators:				A TO SHARE A PRODUCTION OF THE PARTY OF THE PROPERTY OF THE PARTY OF T	ors (minimum of two required)
Primary Indicators (minimum of on	SPECIAL SERVICES PARAMETERS (A SERVICE SERVICE SERVICES AND A SERVICE SERVICE SERVICE SERVICES SERVICE	PLANTS CONTRACTOR CLASSICS AND PROPERTY AND PARTY.	and the control of th	_ Surface Soil C	1989 HEREPORT SE SECTION SECTION OF SECTION
Surface Water (A1)		atic Plants (B14)			etated Concave Surface (B8)
High Water Table (A2)		Sulfide Odor (C1)			[1987] 2021 [1982] [1982] [1982] [1982] [1982] [1982] [1982] [1982] [1982] [1982] [1982] [1982] [1982] [1982]
Saturation (A3)		Rhizospheres on Living		_ Moss Trim Lir	19일 : 11일
Water Marks (B1)		of Reduced Iron (C4)	_ , ,_, _		Vater Table (C2)
Sediment Deposits (B2)		on Reduction in Tilled !			3. [1] - [1
Drift Deposits (B3)	Thin Muck		-		sible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Exp	plain in Remarks)			ressed Plants (D1)
Iron Deposits (B5)	· (D7)			_ Geomorphic F	
Inundation Visible on Aerial In	lagery (B7)			Shallow AquitMicrotopograp	
Water-Stained Leaves (B9)Aquatic Fauna (B13)				_ FAC-Neutral	:
Field Observations:			4 10 22 20 20 20	_ FAC-Neutral	rest (D3)
	a Na / Bank Ga	-k> N/A			
	s No Depth (in				
	s No Depth (in				
Saturation Present? Ye (includes capillary fringe)	s No V Depth (in	ches):	Wetland Hyd	drology Present	? Yes No
Describe Recorded Data (stream of	gauge, monitoring well, aerial	photos, previous inspe	ections), if availal	ble:	
Domarke					
Remarks:	at Unches,	no surfa	ce hydri	ology ind	licators noted.
ange				• /	

Sampling Point: wrap 073_u

740 740.	Absolute Dominant Indicator	Dominance Test worksheet:
Commission of the commission of the Commission o	% 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:3 (B)
4		
5		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6		That Are OBL, FACW, or FAC: (A/B)
		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
	= Total Cover	OBL species
50% of total cover:	20% of total cover:	FACW species
Sapling/Shrub Stratum (Plot size: 30Ft. x30Ft.)		FAC species 0 x 3 = 0
1. none		FAC species 3 X3 = 3 TA
2		FACU species x 4 = Z Ø
3		UPL species 0 x 5 = 0
4		Column Totals: 70 (A) 280 (B)
5		5 40
6		Prevalence Index = B/A =
		Hydrophytic Vegetation Indicators:
7		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9		3 - Prevalence Index is ≤3.0 ¹
	= Total Cover	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of total cover:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30 ft. × 30 ft.)		Problematic Hydrophytic Vegetation ¹ (Explain)
1. Festuca rubra	30 Y FACU	Problematic Hydrophytic Vegetation (Explain)
2. Eupadarium capilli folium	20 Y FACU	
2. Eupatorium capillifolium 3. Rubus allegheniensis	ZO Y FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4		THE THE PARTY OF THE PROPERTY OF THE PARTY O
5.		Definitions of Four Vegetation Strata:
		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6		more in diameter at breast height (DBH), regardless of
7		height.
8. The second of the second of		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
	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 Pt. x 30 Pt.)		height.
1. none		
2		
3		
4		Hydrophytic
5	4	Vegetation Present? Yes No
	= Total Cover	Present? Yes No
50% of total cover:	20% of total cover:	
Remarks: (Include photo numbers here or on a separate sh	neet.)	

Sampling Point: Wrap023_ u

Profile Description: (Describe to the dept	needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture Remarks
0-4 104R2/2 160		sc
		Control of the Contro
¹ Type: C=Concentration, D=Depletion, RM=I	Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
— Histosol (A1)	Dark Surface (S7)	2 cm Muck (A10) (MLRA 147)
Histic Epipedon (A2)	Polyvalue Below Surface (S8) (MLRA 147,	
Black Histic (A3)	Thin Dark Surface (S9) (MLRA 147, 148)	(MLRA 147, 148)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)Depleted Matrix (F3)	Piedmont Floodplain Soils (F19) (MLRA 136, 147)
Stratified Layers (A5) 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)	
Sandy Gleyed Matrix (S4)	Umbric Surface (F13) (MLRA 136, 122)	³ Indicators of hydrophytic vegetation and
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 14)	
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
Remarks:		
Anger refusal @ 4 ind	- (R-1 /0.1-14)	
Hyer retusal @ 7 ind	hes (Roge / Dearace)	



Upland data point wrap023_u facing southeast.



Upland data point wrap023_u facing northeast.

WETLAND DETERMINATION DA	ATA FORM – Easter	rn Mountains and Piedr	nont Region
Project/Site: ACP	City/County:	Randolph	Sampling Date: 3 17/2016
Applicant/Owner: Dominion			
Investigator(s): EST (R. Turnbull)	Section, Towns	hin Range: N/A	
Landform (hillslope, terrace, etc.): Strip mine	Local relief (concas	re convex none): (ANC a V	e Slone (%): 7-5%
Subregion (LRR or MLRA): LRR N Lat: 38	.61537	Long: -80.15663	Datum: WG 584
Soil Map Unit Name: Udorthento, mudstone and:			
Are climatic / hydrologic conditions on the site typical for this			
Are Vegetation, Soil, or Hydrology sig	일본 일레시네 보면 구성하다 열 점이 되지 않았다. 하는데 생각으로		
Are Vegetation, Soil, or Hydrology na			
SUMMARY OF FINDINGS – Attach site map s	howing sampling p	oint locations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Strip Mine	within a	ampled Area Wetland? Yes <u>~</u>	No
HYDROLOGY			
Wetland Hydrology Indicators:		 Control of the State of the Sta	cators (minimum of two required)
Primary Indicators (minimum of one is required; check all that	ANNUAL MARKET STATE OF THE STAT		
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Hydro Oxidiz Recer	Aquatic Plants (B14) ogen Sulfide Odor (C1) zed Rhizospheres on Livin ence of Reduced Iron (C4) nt Iron Reduction in Tilled Muck Surface (C7) (Explain in Remarks)	Drainage P ng Roots (C3) Moss Trim Dry-Seasor Soils (C6) Crayfish Bu Saturation \(\)	Lines (B16) n Water Table (C2)
Iron Deposits (B5)	(Explain in Kelliarks)	Geomorphi	
Inundation Visible on Aerial Imagery (B7)		Shallow Aq	
Water-Stained Leaves (B9)			raphic Relief (D4)
Aquatic Fauna (B13)		FAC-Neutra	al Test (D5)
Field Observations:	1.		
Surface Water Present? Yes No Depti	h (inches): N/A		
Water Table Present? Yes No Depti			
Saturation Present? Yes No Depti (includes capillary fringe)	n (inches):	Wetland Hydrology Prese	ent? Yes No
Describe Recorded Data (stream gauge, monitoring well, ae	erial photos, previous insp	ections), if available:	
Remarks:			
Sphagnum moss present in wetland			
1			

Sampling Point: Wrap024s_w

706-17-0	Absolute	Dominant	Indicator	Dominance Test worksheet:	TO THE
Tree Stratum (Plot size: 20 Fr. 20 ft.)	% Cover	Species?	Status	Number of Dominant Species That Are OBL FACW or FAC:	
1. none				That Are OBL, FACW, or FAC:	(A)
2,				Total Number of Dominant	
3					(B)
4					
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100	(A/B)
6				mat Ale OBL, FACW, of FAC.	(AID)
7				Prevalence Index worksheet:	
	0	= Total Cov		Total % Cover of: Multiply by:	
50% of total cover:				OBL species x 1 =	
Sapling/Shrub Stratum (Plot size: 20ft. x20ft.)	20% 01	total cover;		FACW species x 2 =	
	<i></i>	V	TAC	FAC species x 3 =	
1. Betula allegheniensis				FACU species x 4 =	
2				는 LET 가는 이 일반으로 하면 하는 것은 다른 사람들이 되었다. 그는 사람들이 없는 사람들이 되었다면 보고 있는 것은 것이 되었다면 되었다면 하는 것이 없는 것이 없는 것이 없는 것이다. 그런 사	
3				UPL species x 5 =	
4				Column Totals: (A)	(B)
5				Prevalence Index = B/A =	
6				4 (19) (19) William (2009) 44 (19) (19) (20) (20) (20) (20) (20) (20) (20) (20	
7				Hydrophytic Vegetation Indicators:	
B				1 - Rapid Test for Hydrophytic Vegetation	
	t we create			1 2 - Dominance Test is >50%	
9	50	= Total Cov		3 - Prevalence Index is ≤3.01	
50% of total cover: 25	20% of	total cover	10	4 - Morphological Adaptations ¹ (Provide suppo	orting
Herb Stratum (Plot size: Zoft. x2oft.)	20% 01	total cover.	-10	data in Remarks or on a separate sheet)	
Herb Stratum (Plot size: 2017. 2017.)	00	ما	nD.	Problematic Hydrophytic Vegetation ¹ (Explain))
1. Typhe ladifilia	-20	-	OBL		
2. Osmunda spectabilis	50		ODL	¹ Indicators of hydric soil and wetland hydrology mu	ıst
3				be present, unless disturbed or problematic.	
4				Definitions of Four Vegetation Strata:	
5					
6.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm	n) or
7				more in diameter at breast height (DBH), regardles height.	55 OI
B					
9				Sapling/Shrub – Woody plants, excluding vines, le	ess
				than 3 in. DBH and greater than or equal to 3.28 ft m) tall.	(()
10			100		
11.	70			Herb – All herbaceous (non-woody) plants, regard	less
35		= Total Cov		of size, and woody plants less than 3.28 ft tall.	
50% of total cover: 35	20% of	total cover;	15	Woody vine - All woody vines greater than 3.28 ft	t in
Woody Vine Stratum (Plot size: Zoft. × 20 ft.)				height.	
1. none			-		
2					
3					
4.				Hydrophytic	
5				Vegetation	
	0	= Total Cov	er	Present? Yes No	
50% of total cover:	20% of	total cover:			
Remarks: (Include photo numbers here or on a separate s	The second section of the second		97 75 74 75 75 75 75		
Tremaine. (medate prote mambers here of our a separate s	nect.,				
					0. 9933 027

	ription: (Describe	to the dep	th needed to docur			or confirm	the absence o	f indicato	rs.)	
Depth (inches)	Matrix	%	Color (moist)	x Features	Tues	_Loc²	Texture		Remarks	
(inches)	Color (moist)	C NOCKOUNDALINES OF	Color (moist)	%	Type	Loc	A CONTRACTOR OF STREET		Remarks	
-	164R 2/1	100					EL -			
3-12	10484/1	80	104R5/6	20	C	M	CL			
12-20	10484/1	100					CL			
AUDAL TO SEE										
3000 TO TO THE TO	A STATE OF THE SHAPE OF THE STATE OF THE STA			-		-				2000 C. 2000 O. C. (600 Appl)
						_				
ATT RESIDENT						TO SKIDNEY				
¹Type: C=C	ncentration D=Der	oletion RM-	Reduced Matrix, M	S=Masked	Sand Gra	nins	² Location: PL=	Pore Lini	ng. M=Matrix.	
Hydric Soil		neuon, Rivi-	-Reduced Matrix, Mi	J-Waskeu	Sand Gr	anto.	Indicate	ors for Pr	oblematic Hyd	dric Soils³:
Histosol			Dark Surface	e (S7)					A10) (MLRA 14	
	pipedon (A2)		Polyvalue Be		e (S8) (N	ILRA 147,			Redox (A16)	
Black Hi			Thin Dark Su				(MLRA 14	7, 148)	
Hydroge	n Sulfide (A4)		Loamy Gleye		2)				odplain Soils (i	F19)
	Layers (A5)		✓ Depleted Ma					MLRA 13		(7540)
	ick (A10) (LRR N)	- (011)	Redox Dark						Dark Surface in in Remarks)	(11-12)
	d Below Dark Surfac ark Surface (A12)	e (ATT)	Depleted Da				_ 01	iei (Explai	iii iii Remarks)	
	lucky Mineral (S1) (LRR N.	Iron-Mangan			LRR N.				
	147, 148)		MLRA 13		- (/ (
	Sleyed Matrix (S4)		Umbric Surfa		ALRA 13	6, 122)			ydrophytic vege	
	Redox (S5)		Piedmont Flo						logy must be p	
	Matrix (S6)		Red Parent I	Material (F2	1) (MLR	A 127, 147) unle	ss disturb	ed or problema	tic.
	Layer (if observed)	:								
Type:										
Depth (inc	ches):						Hydric Soil P	resent?	Yes	No
Remarks:										



Wetland data point wrap024s_w facing west.



Wetland data point wrap024s_w facing north.

	WEILAND DI	ETERMINATI	ON DATA FORM	 Eastern 	i Mountaii	ns and Piedr	nont Region	
Project/Site:	ACP		City/	County:	Zandolph	1	_ Sampling Date:	3/17/2016
Applicant/Owner: _	Dominion					State: WV	Sampling Po	int: Wrap 024_ 4
Investigator(s): E	SI (R. Turnh	n11)	Sect	on, Townshi	p, Range:	NA		
			Local re		A CHIEF PARTILLAR AND A CONTROL OF	control to the form the province that origins		
			: 38.61536					
			e and shale, 1					
			for this time of year?					
			significantly distu					// No
			naturally problem					110
SUMMARY OF	FINDINGS –	Attach site n	nap showing sar	npling po	int locatio	ons, transect	s, important i	eatures, etc.
Hydrophytic Vege Hydric Soil Prese Wetland Hydrolog	nt?		No No No	Is the San within a W	npled Area /etland?	Yes	No	_
Remarks:								
Strip M	ne							
HYDROLOGY		THE STREET						
Wetland Hydrolo	gy Indicators:					Secondary India	ators (minimum c	of two required)
Primary Indicators		is required; chec	ck all that apply)			Surface So	il Cracks (B6)	
Surface Water High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or (Iron Deposits Inundation Vi Water-Stainer Aquatic Faun	able (A2) 3) (B1) posits (B2) 5 (B3) Crust (B4) (B5) sible on Aerial Ima d Leaves (B9) a (B13)	=	True Aquatic Plants Hydrogen Sulfide Oc Oxidized Rhizospher Presence of Reduce Recent Iron Reductic Thin Muck Surface (Other (Explain in Re	lor (C1) res on Living d Iron (C4) on in Tilled S C7)	Roots (C3)	 Drainage P Moss Trim Dry-Seasor Crayfish Bu Saturation Stunted or Geomorphi Shallow Aq 	n Water Table (C2 prows (C8) Visible on Aerial In Stressed Plants (I c Position (D2) uitard (D3) raphic Relief (D4)	nagery (C9) D1)
Field Observatio				/.				
Surface Water Pro			Depth (inches):_ ^					
Water Table Pres			Depth (inches): > Depth (inches): >		18/-11	lodelen Beer	-t2 Ves	No V
Saturation Present (includes capillary	fringe)						ent? Yes	_ NO
Describe Recorde	ed Data (stream ga	auge, monitoring	well, aerial photos, pre	evious inspec	ctions), if ava	ilable:		
Remarks:								
auger (refusal at	10 inches	s, no surfa	ce hyd	lrology	indiacto	rs noted	

200 1200	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft. x30ft.) 1. Betala allegheniensis	The state of the s	Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant Species Across All Strata: 5 (B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: 40 (A/B)
6				
7				Prevalence Index worksheet: Total % Cover of: Multiply by:
	20	= Total Cov	er	
50% of total cover:	20% of	total cover;	4	
Sapling/Shrub Stratum (Plot size: 30 Ft, x 30 Ft.)			-1.	FACW species x 2 =
1. Betula allegheniensis				
2				
3,		_		UPL species x 5 =
4				Column Totals:
5			-	Prevalence Index = B/A =3,45
7				Hydrophytic Vegetation Indicators:
В				1 - Rapid Test for Hydrophytic Vegetation
9				2 - Dominance Test is >50%
	40	= Total Cov		3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 20	20% of	total cover:	8	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 30 ft. x 30 ft.)	2070 01	total cover.		data in Remarks or on a separate sheet)
1. Polystichum acrostichoides	20	Y	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Festuca rubra	7.0	Y	FACU	
3. Rubus allegheniensis	10	Y	FACU	¹ Indicators of hydric soil and wetland hydrology must
4			Character to to the late	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.
B				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10	Anna di Santa		AND THE RESERVE	inj tan.
11		Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 25 Woody Vine Stratum (Plot size: 30 Ft. x 30 Pt.)	20% of	total cover:	10	Woody vine – All woody vines greater than 3.28 ft in height.
1. None				neight.
2.				
3	Contractor Contractor Co.			
4.				
5.				Hydrophytic Vegetation
<u> </u>	0	Total Cour		
50% of total cover:				
50% of total cover: Remarks: (Include photo numbers here or on a separate s	20% of	= Total Cover:		Present? Yes No

Profile Description: (Describe to the depth needed to document the indicator or con	firm the abse	nce of indicators.)
Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type ¹ Loc	Texture	e Remarks
The state of the s	SCL	no establica de la compressa d
B-16 104R2/2 160		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.		: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:	In	dicators for Problematic Hydric Soils ³ :
Histosol (A1) Dark Surface (S7) Paleschia Faleschia (S0) (A1) PA 4	-	_ 2 cm Muck (A10) (MLRA 147)
 Histic Epipedon (A2) Black Histic (A3) Polyvalue Below Surface (S8) (MLRA 147, 14 Thin Dark Surface (S9) (MLRA 147, 14 		Coast Prairie Redox (A16) (MLRA 147, 148)
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) Iron-Manganese Masses (F12) (LRR N		
MLRA 147, 148) MLRA 136)		
Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122))	Indicators of hydrophytic vegetation and
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA		wetland hydrology must be present,
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127,	147)	unless disturbed or problematic.
Restrictive Layer (if observed):		
Type:	Mustala I	Sail Brasant2 Vas No -
Depth (inches):	Hydric :	Soil Present? Yes No
Remarks:		
Auger refusal @ 10 inches (Rock / Bedrock)		



Upland data point wrap024_u facing south.



Upland data point wrap024_u facing east.

WETLAND DETERMINATION	DATA FORM - Eastern	n Mountains and Piedmont Region
Project/Site: ACP	City/County:	Randolph Sampling Date: 3/17/2016
		State: WV Sampling Point: Way 025
Investigator(s): ESI (R. Turnbull)	Section, Townshi	ip, Range: N/A
		e, convex, none): Slope (%): 2-5°
Subregion (LRR or MLRA): LRR N Lat:	38.61441	Long: -80.15614 Datum: WG584
		NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for th		
그 회사를 하면 하는데 이 아이들이 아니는 사람들이 되었다. 그는 그들은 사람들이 되었다면 하는데 하는데 하는데 하는데 하는데 하는데 그렇게 되었다면 이 살아 있다면 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데		Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology		
SUMMARY OF FINDINGS – Attach site map	showing sampling po	int locations, transects, important features, etc
Hydric Soil Present? Yes !	No Is the Sar Wo within a V	npled Area Vetland? Yes No No
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all	Man By Style (Sept. A. Var Set.) (was stry a laugues of the destination of the	
	e Aquatic Plants (B14) drogen Sulfide Odor (C1)	6. 항상 16 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18
	idized Rhizospheres on Living	
	esence of Reduced Iron (C4)	Dry-Season Water Table (C2)
	cent Iron Reduction in Tilled S	로마 요즘 15 마다 하는 아이들은 나이를 살았다. 그는 이 이번에 대한 사람들에 가장 하는데 하는데 아이들에 가장 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데
	n Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
	ner (Explain in Remarks)	- 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 De		
Water Table Present? Yes No De		
Saturation Present? Yes No De (includes capillary fringe)	epth (inches): 34 cFace	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well,	aerial photos, previous inspe	ctions), if available:
Remarks:		

Sampling Point: Wrap 025e-W

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft. ×30ft.) 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		Prevalence Index worksheet:
7		 S. Charachanina delegant for a quadrative entitle and trainer.
	= Total Cover	Total % Cover of: Multiply by:
50% of total cover:	20% of total cover:	OBL species x 1 = 0
Sapling/Shrub Stratum (Plot size: 30ft. x30 ft.)		FACW species x 2 = 80
1. none		FAC species
2.		FACU species 25 x 4 = 10 0
3.		UPL species 0 x 5 = 0
4		Column Totals: 65 (A) 180 (B)
5		Prevalence Index = B/A = 2.77
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 Adaptations ¹ (Provide supporting
50% of total cover:	20% of total cover:	1 10 14 15 17 18 18 18 18 18 18 18
Herb Stratum (Plot size: 30 ft x 30 ft.)		data in Remarks or on a separate sheet)
1. Juneus effusus	40 Y FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Rubis allebaniensis	20 Y FACU	
2. Rubus allegheniensis 3. Enpatorium capillifolium	5 N FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Euperbrium Capilliplium	- 10 FACO	be present, unless disturbed or problematic.
4	Marie Control of the	Definitions of Four Vegetation Strata:
5	40 17 (C) (C) (C) (C) (C) (C) (C) (C) (C) (C)	
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 than 3 in. DBH and greater than or equal to 3.28 ft (1
		m) tall.
10		111) teni.
11.		Herb – All herbaceous (non-woody) plants, regardless
20	65 = Total Cover	of size, and woody plants less than 3.28 ft tall.
	20% of total cover: 13	Woody vine All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 Ft. × 36 Ft.)		height.
1. none		
2.		
3		
4.		
	entre entre la recommendation de la constante	Hydrophytic
	A CARRY 2 STATE OF THE STATE OF	Vegetation Present? Yes No
5	A	
550% of total cover:	= Total Cover	1165CHC 165

Profile Desc	cription: (Describe t	to the dep				or confirm	the absence	of indicators	s.)	
Depth	Matrix	0/	Redo	x Features		1 2			Domeska	
(inches)	Color (moist)	_%_	Color (moist)	%	Type ¹	_Loc²	Texture		Remarks	
	104R3/1	100					CL			
6-20	104R4/1	95	104R5/6	_5		M	CL			
					With the Company					
*				-	-		State of the Control			
120 A morroson 1900			The state of the s	The second section			and the second			
				i de la lac						
	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location: PL			
Hydric Soil I									blematic Hy	
Histosol			Dark Surface						0) (MLRA 14	17)
	oipedon (A2)		Polyvalue Be					ast Prairie F		
Black Hi	en Sulfide (A4)		Thin Dark Su Loamy Gleye			47, 148)		(MLRA 147,	dplain Soils (F19)
	Layers (A5)		Depleted Mat		-)			(MLRA 136,		,
	ick (A10) (LRR N)		Redox Dark S		6)		Ve	ry Shallow [Dark Surface	
	d Below Dark Surface	e (A11)	Depleted Dar				Ot	her (Explain	in Remarks)	
	ark Surface (A12)	DD N	Redox Depre			DD 11				
	lucky Mineral (S1) (L 3 147, 148)	RR N,	Iron-Mangano MLRA 130		25 (F12) (I	LRK N,				
	Sleyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	3India	ators of hyd	rophytic veg	etation and
	ledox (S5)		Piedmont Flo				B) wet	land hydrolo	gy must be p	resent,
	Matrix (S6)		Red Parent N	laterial (F	21) (MLR.	A 127, 147) unle	ess disturbed	d or problema	tic.
Restrictive I	ayer (if observed):									
Type:			<u></u>							
Depth (inc	ches):						Hydric Soil I	Present?	Yes	No
Remarks:										



Wetland data point wrap025e_w facing southwest.



Wetland data point wrap025e_w facing northwest.

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region City/County: Randolph Sampling Date: 3/17/2016 State: NV Sampling Point: Nrap025_N Project/Site: ACP Applicant/Owner: Dominion Investigator(s): ESI (R. Turnbull) Section, Township, Range: N/A Landform (hillslope, terrace, etc.): This mine Local relief (concave, convex, none): concave Slope (%): 4-10% Subregion (LRR or MLRA): LRR N Lat: 38,61455 Long: -80.15606 Datum: WG 584 Soil Map Unit Name: Udorthents, mudstone and shale, Inv 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 ______ 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, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? Yes ____ No_ < within a Wetland? Wetland Hydrology Present? 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) Hydrogen Sulfide Odor (C1) ___ Sparsely Vegetated Concave Surface (B8) ___ High Water Table (A2) ___ Drainage Patterns (B10) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16) Saturation (A3) ___ Dry-Season Water Table (C2) Presence of Reduced Iron (C4) ___ Water Marks (B1) __ Crayfish Burrows (C8) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Sediment Deposits (B2) ___ Thin Muck Surface (C7) __ Saturation Visible on Aerial Imagery (C9) ___ Drift Deposits (B3) __ Stunted or Stressed Plants (D1) ___ Other (Explain in Remarks) ___ Algal Mat or Crust (B4) Geomorphic Position (D2) ___ Iron Deposits (B5) 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 _ V Depth (inches): _ N/A Surface Water Present? Yes ____ No __ Depth (inches): > 5 Water Table Present? Yes _____ No ___ Depth (inches):_ >5 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 5 inches, no surface hydrology indicators noted.

Sampling Point: Wrap 025_4

Tree Stratum (Plot size: 30 ft. x 30 ft.)		Dominant		Dominance Test worksheet:
1. None	% Cover		Contract of the second	Number of Dominant Species That Are OBL, FACW, or FAC:
2				Total Number of Dominant Species Across All Strata: (B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7	-			Total % Cover of: Multiply by:
	0.			
50% of total cover:	_ 20% of	total cover		OBL species x 1 = O
Sapling/Shrub Stratum (Plot size: 30 Pt. x 30 Pt.)				FACW species x 2 =
1. none				FAC species x 3 =
2				FACU species x 4 = 246
3.				UPL species
4				Column Totals:
5				Prevalence Index = B/A = 4.6
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8.				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	=			4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	_ 20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30ft. × 30ft.)				Problematic Hydrophytic Vegetation¹ (Explain)
1. Festuca rubra 2. Eupatorium capilli Folium	30	<u> </u>	FACU	Problematic Hydrophytic Vegetation (Explain)
2. Eupatorium capillifolium	30	Y	FACU	
3				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4.				Definitions of Four Vegetation Strata:
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				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	60 =	Total Cov	er	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 1	total cover:	12	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30f1. x 30fh)				height.
1. None				
2				
3.				
4				
) <u></u>				Hydrophytic
5	4			Vegetation Present? Yes No
	0 =	Total Cov		1105cm.
50% of total cover:		total cover:		

Profile Description: (Describe to the depth n		onfirm the abs	sence of indicato	rs.)	
Depth Matrix (inches) Color (moist) % (inches)	Redox Features Color (moist) % Type¹ Lo	nc ² Toyt	ure	Remarks	
0-5 104R 3/2 100	color (moist) 78 Type LC	54	NAME OF STREET OF STREET	Remarks	
U-3 10 1/2 3/2 100 _					
			San San San San San San San San San San		
¹ Type: C=Concentration, D=Depletion, RM=Rec	uced Matrix, MS=Masked Sand Grains.		on: PL=Pore Lini		n - 11 - 3
Hydric Soil Indicators:				oblematic Hydric	SOIIS":
	_ Dark Surface (S7)	147 140)	2 cm Muck (A	A10) (MLRA 147)	
Histic Epipedon (A2) Black Histic (A3) ———————————————————————————————————	 Polyvalue Below Surface (S8) (MLRA Thin Dark Surface (S9) (MLRA 147, 		(MLRA 14		
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	. 10,		odplain Soils (F19)	
Stratified Layers (A5)	_ Depleted Matrix (F3)		(MLRA 13		
2 cm Muck (A10) (LRR N)	Redox Dark Surface (F6)			Dark Surface (TF1	2)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	_ Depleted Dark Surface (F7) _ Redox Depressions (F8)		Other (Explai	in in Remarks)	
Sandy Mucky Mineral (S1) (LRR N,	_ Iron-Manganese Masses (F12) (LRR	N.			
MLRA 147, 148)	MLRA 136)				
Sandy Gleyed Matrix (S4)	_ Umbric Surface (F13) (MLRA 136, 12			ydrophytic vegetatio	
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (ML			logy must be prese	nt,
Stripped Matrix (S6)	Red Parent Material (F21) (MLRA 12	7, 147)	unless disturbe	ed or problematic.	
Restrictive Layer (if observed):					
Type:		Undei	a Sail Bracont?	Yes No	/
Depth (inches):		nyun	C Son Present?	res No	
	(= /				
Anger refusal @ 5 inche:	(Rock/Bedrock)				
Myer remiser 0					



Upland data point wrap025_u facing southeast.



Upland data point wrap025_u facing northeast.

WETLAND DETERMINATION DATA	FORM – Easte	tern Mountains and Piedmont Region
Project/Site: ACP	City/County:	Randolph Sampling Date: 3/17/2016
Applicant/Owner: Dominion		State: WV Sampling Point: Wrap 026
Investigator(s): EST (R. Thrabull)	Section, Town	nship, Range: N/A
Landform (hillslope, terrace, etc.):drainage		
Subregion (LRR or MLRA): LRR N Lat: 38.617	176	Long: -80,15530 Datum: WG585
Soil Map Unit Name: Gilpin channery silt loam, 25-	35 % slopes	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time o		
Are Vegetation, Soil, or Hydrology significal	A Constitution of the Cons	HEREN IN 2014에 High Received (2014 - 2014) IN 1915 (1915) IN 1915
Are Vegetation, Soil, or Hydrology naturally		
SUMMARY OF FINDINGS – Attach site map show	ing sampling p	point locations, transects, important leatures, et
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No	within a	Sampled Area 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 app	oly)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquati	c Plants (B14)	Sparsely Vegetated Concave Surface (B8)
	Sulfide Odor (C1)	Drainage Patterns (B10)
	nizospheres on Livi	
	f Reduced Iron (C4	2015는 AT 10.0 HTM : 19.0 TO CONTROL OF THE PROPERTY OF THE PR
	Reduction in Tilled	
Drift Deposits (B3) Thin Muck S		Saturation Visible on Aerial Imagery (C9)
	ain in Remarks)	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)		Geomorphic Position (D2) Shallow Aquitard (D3)
Water-Stained Leaves (B9)		Sitaliow Aquitata (D3) Microtopographic Relief (D4)
Aquatic Fauna (B13)		FAC-Neutral Test (D5)
Field Observations:		
	nes): N/A	
Surface Water Present? Yes No Depth (inches	nes): Z	
Saturation Present? Yes No Depth (inch	nes): surface	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pl	notos previous ins	spections) if available:
besonde Recorded Bala (sacam gauge, monitoring well, dental pr	lotos, previous iris	Specialist, il available.
Remarks:		

	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft x 20ft.)		Number of Dominant Species
1. none		That Are OBL, FACW, or FAC: 1-2 (A)
2		Total Number of Dominant
3,		Species Across All Strata: 2 (B)
4		Percent of Dominant Species
5		That Are OBL, FACW, or FAC: 50-100 (A/B)
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
	= Total Cover	OBL species 0.70 $\times 1 = 0.70$
50% of total cover:	20% of total cover:	FACW species $\frac{40-110}{40-110}$ x 2 = $\frac{90-220}{40-110}$
Sapling/Shrub Stratum (Plot size: 30 ft, x20 ft.)		FAC species $0-70$ $\times 3 = 0-210$
1. none		FACU species 10-80 x 4 = 40-320
2		UPL species $0-76$ $\times 5 = 0-350$
3		Column Totals: 120 (A) 190-470 (B)
4		Column Totals: 123 (A) 110-173 (B)
5		Prevalence Index = B/A = 1.58 - 3.92
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 Adaptations ¹ (Provide supporting
	20% of total cover:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30ft. x 20 Pt.)		Problematic Hydrophytic Vegetation¹ (Explain)
1. Carer sp.	18 Y UNK	Troblemato rijaroprijato vogotatom (Expram)
2. Juneus offusus	40 Y FACW	¹ Indicators of hydric soil and wetland hydrology must
3. Rubus allegheniensis	10 N FACU	be present, unless disturbed or problematic.
4	L ANDRES DE SANTONIO	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		
9		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10		m) tall.
11.		Herb – All herbaceous (non-woody) plants, regardless
	120 = Total Cover	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 6	20% of total cover: 24	
Woody Vine Stratum (Plot size: 30fh x 20ft.)		Woody vine – All woody vines greater than 3.28 ft in height.
1. none		
2.		
3		
4		Understadio
5.		Hydrophytic Vegetation
	O = Total Cover	Present? Yes No
50% of total cover:	20% of total cover:	
Remarks: (Include photo numbers here or on a separate		
Carex species Was not identifiable		a water I all Other
123 4 14일 : [10] 2012 12 12 12 12 12 12 12 12 12 12 12 12 1		n werman uning. Own
vegetation meets hydrophytic cr	iterion.	
, 1		
내용하다 교회를 사용하는 사람들은 얼마를 가지 않는 것이 없는 것이 없었다.		

	ription: (Describe	to the dept				or confirm	n the abs	ence of indicat	ors.)	
Depth (inches)	Color (moist)	%	Color (moist)	ox Features %	Type ¹	_Loc²	Textu	re	Remarks	
0-20	107R3/1	60	104R4/6	40	C	M	CL		Kemaka	
_ 0 00	10.12.311		10 11 11 10	10						
						-	100000000000000000000000000000000000000			
										And the second second second
	Assessment of the second of the			-		-				
-										
							<u> </u>			
	oncentration, D=Dep	letion, RM=	Reduced Matrix, M	IS=Masked	Sand Gr	ains.		n: PL=Pore Lin		
Hydric Soil							- 1	ndicators for P		
Histosol			Dark Surfac				-		(A10) (MLRA 1	47)
	oipedon (A2)		Polyvalue B				, 148) _	Coast Prairi		
Black Hi	n Sulfide (A4)		Thin Dark S Loamy Gley			147, 148)		(MLRA 1	oodplain Soils	(F19)
	Layers (A5)		Depleted Ma		,		-	(MLRA 1		(, , , ,
	ck (A10) (LRR N)		Redox Dark		6)				w Dark Surface	(TF12)
	Below Dark Surfac	e (A11)	Depleted Da					Other (Expl	ain in Remarks)
	ark Surface (A12)		Redox Depr							
	lucky Mineral (S1) (I	LRR N,	Iron-Mangai		es (F12) (LRR N,				
	147, 148) ileyed Matrix (S4)		MLRA 1: Umbric Surf		MI DA 13	16 122)		3Indicators of I	nydrophytic veg	etation and
	edox (S5)		Piedmont Fl				48)		ology must be p	
	Matrix (S6)		Red Parent						ped or problem	
	ayer (if observed):									
Туре:			<u></u>							
Depth (inc	ches):						Hydric	Soil Present?	Yes_	No
Remarks:										





WEILAND DETERMINATION DATE	A FORM – Eastern Mountains and Piedmont Region
Project/Site: ACP	City/County: Randolph Sampling Date: 3/17/2016
	State: WV Sampling Point: Wrap 076 -
Investigator(s): ESI (R. Turnbull)	Section, Township, Range: N/A
	Local relief (concave, convex, none): Concave Slope (%): 15-20
	61221 Long: -80.15529 Datum: WG584
	n, 25-35% slepes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time	[2]
	icantly disturbed? Are "Normal Circumstances" present? Yes No
1884 (1882) (1893) (1893) (1894) (1894) (1894) (1894) (1894) (1894) (1894) (1894) (1895) (1894) (1894) (1894)	ally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sho	wing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No Remarks:	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 a	
TO A LONG THE RESIDENCE OF THE RESIDENCE OF THE PROPERTY OF THE PARTY	uatic Plants (B14) Sparsely Vegetated Concave Surface (B8)
	n Sulfide Odor (C1) Drainage Patterns (B10)
Saturation (A3) Oxidized	Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence	e of Reduced Iron (C4) Dry-Season Water Table (C2)
	ron Reduction in Tilled Soils (C6) Crayfish Burrows (C8)
	k Surface (C7) Saturation Visible on Aerial Imagery (C9)
	xplain 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) Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:	TAC-Neutral Test (D3)
Surface Water Present? Yes No Depth (in	nchas): AI/A
Water Table Present? Yes No Depth (in	
- Particular Approximation () () () () () () () () () (nches): 720 Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial	pnotos, previous inspections), ii available:
Remarks:	

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

Tree Stratum (Plot size: 30ft. x 30ft.) % Cover 1. Fegus grandifilia 40 2. 4. 5. 6. 7.	Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Total Cover OBL species FACW species Total % Cover of: FACW species
1. Fegus grandifilia 40 2. 3. 4. 5. 6. 7. Sapling/Shrub Stratum (Plot size: 30ft. × 30ft.) 1. Fagus grandifolia 30 2. Acer pensylvanicum 20 3. 4.	Total Number of Dominant Species Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total Cover OBL species OBL species FACW species OBL Species O
2. 3. 4. 5. 6. 7. Sapling/Shrub Stratum (Plot size: 30 ft. x 30 ft.) 1. Fagus grandifolia 2. Acer pensylvanicum 3. 4.	Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Total Cover OBL Species O X 1 = O X 2 = O X 3 = 30
3. 4. 5. 6. 7. 50% of total cover: 20 20% of total cover: 20 20% of total cover: 20 20% of total cover: 30 ft. × 30 ft. 1. Fagus grandifolia 30 2. Acer pensylvanicum 20 3. 4.	Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Total Cover otal cover: OBL species FACW species FACW species Total Cover OBL species FACW species TOTAL Cover OBL species TOTAL Cov
4. 5. 6. 7. 50% of total cover: 20 20% of total cover: 30 ft. × 30 ft. > 30 1. Fagus grandifolia 30 2. Acer pensylvanicum 20 3. 4.	Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total Cover OBL species FACW species FACW species TOTAL Cover OBL species OBL Species
5	Total Cover of: OBL species FACW species FACW species FACW species Total Cover OBL species FACW species FACW species FACW species Total Cover OBL species FACW species Total Cover OBL species Total Cover FACW species Total Cover of: Tot
5	Total Cover of: OBL species FACW species FACW species FACW species Total Cover OBL species FACW species FACW species FACW species Total Cover OBL species FACW species Total Cover OBL species Total Cover FACW species Total Cover of: Tot
6	Total Cover of: Multiply by: OBL species
50% of total cover: 20 20% of total cover: 20 20% of total cover: 30 ft. × 30 ft.) 1. Fagus grandifolia 30 2. Acer pensylvanicum 20 3.	Total Cover of: Multiply by: OBL species
50% of total cover: 20 20% of total cover: 30 ft. > 30 ft	OBL species OBL s
50% of total cover: 20 20% of total cover: 20 20% of total cover: 30 ft. × 30 ft.) 1. Fagus grandifolia 30 2. Acer pensylvanicum 20 3. 4.	OBL species OBL s
Sapling/Shrub Stratum (Plot size: 30ft. ×30ft.) 1. Fagus grandifolia 30 2. Acer pensylvanicum 20 3.	FACW species 0 $x = 0$
1. Fagus grandifolia 30 2. Acer pensylvanicum 20 3.	V CACIL FAC species 10 $x3 = 30$
2. Acer pensylvanicum 20 3. 4.	$\frac{Y}{Y}$ FACU FACU species $\frac{10}{90}$ $x4 = \frac{360}{360}$
2. Acer pensylvanicum 20 3. 4.	Y FACU FACU species 90 x4= 360
4	
4	UPL species x 5 =0
	100 700
- 5 : Table from the first for the contract of the first fir	
	Trevalence mack - bin -
6	Hydrophytic Vegetation Indicators:
7	injurophytic vegetation metoaters.
8	
9.	
	3 - Prevalence Index is ≤3.01
25 200	Total Cover 4 - Morphological Adaptations¹ (Provide supporting
50% of total cover: 25 20% of to	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30ft. x 30ft.)	
1. Athyrium asplenioides 10	FAC — Problematic Hydrophytic Vegetation (Explain)
2	
3.	Indicators of nyaric soil and wetland nyarology must
	7 7 7 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4, 100, 100, 100, 100, 100, 100, 100, 10	NOCHE EL PROPERTO DE LA CONTROL DE L
5	
6	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7	I more in didineter at broast noight (bbin), regardious of
8.	
	Sapiniq/Sindu – Woody plants, excluding vines, less
9,	
10	III) tall.
11,	Herb – All herbaceous (non-woody) plants, regardless
	Total Cover of size, and woody plants less than 3.28 ft tall.
50% of total cover: 5 20% of to	otal cover: 2
Woody Vine Stratum (Plot size: 36Pt, x 30Pt.)	Woody vine – All woody vines greater than 3.28 ft in height.
1. none	
2,	
3,,	
4,	Hydrophytic
5	Vegetation
0 =	Total Cover Present? Yes No
50% of total cover: 20% of to	: 회사 : 10 : 10 : 10 : 10 : 10 : 10 : 10 : 1
Remarks: (Include photo numbers here or on a separate sheet.)	Add SOVER.

Profile Des	cription: (Describe	to the dept	h needed to docu	ment the i	ndicator	or confirm	the abser	nce of indicate	ors.)	
Depth (inches)	Matrix Color (maist)	0/	Color (moist)	x Features		Loc ²	Texture		Remark	re
(inches)	Color (moist)		Color (moist)		Type ¹	Loc	A CALL CARDONNE SCHOOL OF		Remain	CS
	104R32	100		-			CL			
8-20	104R5/4	106					CL			
				_						
				-			-			
				<u> </u>						
	Concentration, D=Dep	oletion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ains.		PL=Pore Lin		
	Indicators:									Hydric Soils ³ :
Histoso			Dark Surface					2 cm Muck (
	pipedon (A2)		Polyvalue Be				148)	Coast Prairie		16)
	listic (A3)		Thin Dark St			47, 148)		(MLRA 14		ile (F10)
	en Sulfide (A4)		Loamy Gley		F2)			Piedmont Flo (MLRA 13		nis (F 19)
	ed Layers (A5) uck (A10) (LRR N)		Depleted Ma Redox Dark		E)			_ Very Shallov		ace (TF12)
	ed Below Dark Surface	e (A11)	Depleted Da				-	Other (Expla		
	Park Surface (A12)	C (////)	Redox Depr					_ Outlot (Explo		
	Mucky Mineral (S1) (LRR N,	Iron-Mangar			RR N,				
	A 147, 148)		MLRA 13							
Sandy	Gleyed Matrix (S4)		Umbric Surfa							vegetation and
	Redox (S5)		Piedmont Fl					wetland hydro		
	d Matrix (S6)		Red Parent I	Material (F	21) (MLR.	A 127, 147	7)	unless disturb	ed or probl	ematic.
Restrictive	Layer (if observed)									
Type:			<u> </u>							
Depth (ir	nches):		<u> </u>				Hydric S	Soil Present?	Yes	No
Remarks:										

Environmental Field Surveys Wetland Photo Page



Upland data point wrap026_u facing southwest.



Upland data point wrap026_u facing southeast.

Photo Sheet 2 of 2

WETLAND DETERMINATION D				
Project/Site: ACP	City/County:	Randolph		Sampling Date: 3/17/2016
Applicant/Owner: Dominion			State: WV	Sampling Point: Wrap 327
Investigator(s): ESI (R. Turnbull)	Section, Town	ship, Range:	N/A	
Landform (hillslope, terrace, etc.): drawage			property and recommendate returning that have been been also been been been been been been been bee	
Subregion (LRR or MLRA): LRRN Lat: 38				
Soil Map Unit Name: Gilpin channery silt loam,				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation, Soil, or Hydrology signs of the state of the stat				
Are Vegetation, Soil, or Hydrology na				
SUMMARY OF FINDINGS – Attach site map s				
SUMMARY OF FINDINGS - Attach site map s	nowing sampling p	Joint location	5, 11 41150015,	important reatures, etc.
Wetland Hydrology Present? Yes No Remarks:) within a	ampled Area a Wetland?	Yes	No
Downslope of Strip mine				
HYDROLOGY				
Wetland Hydrology Indicators:			CONTRACTOR OF THE PROPERTY OF A STATE OF THE PARTY OF THE	ors (minimum of two required)
Primary Indicators (minimum of one is required; check all the	CANADAMENT STREET, SECRETARISM AND AND AND AND AND AND AND AND AND AND		_ Surface Soil (
	Aquatic Plants (B14) ogen Sulfide Odor (C1)		Sparsely VegDrainage Patt	etated Concave Surface (B8)
	ized Rhizospheres on Livi		_ Moss Trim Lir	
	ence of Reduced Iron (C4			Vater Table (C2)
	ent Iron Reduction in Tilled		_ Crayfish Burro	
- The constitution of the	Muck Surface (C7)			sible on Aerial Imagery (C9)
	r (Explain in Remarks)			ressed Plants (D1)
Iron Deposits (B5)			_ Geomorphic I	
Inundation Visible on Aerial Imagery (B7)			_ Shallow Aquit	
Water-Stained Leaves (B9)			_ Microtopogra	
Aquatic Fauna (B13) Field Observations:			_ FAC-Neutral	rest (D5)
Surface Water Present? Yes No Dept	th (inches): N/A			
Water Table Present? Yes No Dept				
Saturation Present? Yes No Dept		Wetland Hyd	irology Presen	? Yes No
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monitoring well, a	eriai photos, previous insp	pections), if availa	ble:	
Remarks:				

Sampling Point: Wrap	0	27e-	W
----------------------	---	------	---

206 . 2081	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft. x 20 ft.)	% Cover Species? Status	Number of Dominant Species
1. none	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
3		Species Across All Strata: 2 (B)
4		Persont of Dominant Engains
5		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6.		
7		Prevalence Index worksheet:
	= Total Cover	Total % Cover of: Multiply by:
50% of total cover:		OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 30 Ft. 20Pt.)		FACW species x 2 =
1. none		FAC species x 3 =
2		FACU species x 4 =
 Significant programment in the control of the control		UPL species x 5 =
3		Column Totals: (A) (B)
4		Column Fotois: (*) (5)
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	 ************************************
50% of total cover:	20% of total cover:	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 30 ft. x 20 ft.)		data in Remarks or on a separate sheet)
1. Dichanthelium scoparium	30 Y FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Leersia virginica	20 Y FACW	
3. Polystichum acrostichoides		¹ Indicators of hydric soil and wetland hydrology must
A CANADA PARTON AND ENDOUGH AND A SECOND TRANSPORT OF A SECOND PROPERTY	District and the reservoir of the settlement of the contract o	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		Sapling/Shrub – Woody plants, excluding vines, less
9	The second second	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
	55 = Total Cover	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 27.	5 20% of total cover: 11	18/duving All was duving greater than 2.39 ft in
Woody Vine Stratum (Plot size: 30ft. x 20ft,)		Woody vine – All woody vines greater than 3.28 ft in height.
1. none		
2		
3		
4.		
		Hydrophytic
5	0 = Total Cover	Vegetation Present? Yes No
F00/ -54-4-1	All sides with the property of the contract of	1105CHC 105 HO
50% of total cover:	and the first probability of the second of t	
Remarks: (Include photo numbers here or on a separate s	heet.)	

	n: (Describe t	o the depth				or confirm	1 the abse	ence of indicators.)
Depth	Matrix	D/ -	Redo Color (moist)	x Features		Loc ²	Touter	e Remarks
-	olor (moist)	104	Color (moist)	%	Type'	_ roc_	Textur	On CHARLEST AND THE PORT OF THE CONTROL OF THE PROPERTY OF THE PORT OF THE POR
0-20 10	4R3/1	100					CL	
					N SHIPE I			
				-				
					and the same			
A DATE OF THE PARTY OF THE PART								
-					-		-	
¹ Type: C=Concent		etion, RM=R	educed Matrix, MS	=Masked	Sand Gra	ains.		n: PL=Pore Lining, M=Matrix.
Hydric Soil Indicat	tors:						lr.	ndicators for Problematic Hydric Soils ³ :
Histosol (A1)			Dark Surface					_ 2 cm Muck (A10) (MLRA 147)
Histic Epipedor			Polyvalue Be				148) _	_ Coast Prairie Redox (A16)
Black Histic (A:			Thin Dark Su			47, 148)		(MLRA 147, 148) Piedmont Floodplain Soils (F19)
— Hydrogen Sulfi — Stratified Layer			Loamy Gleye _ Depleted Mat		F2)			(MLRA 136, 147)
2 cm Muck (A1			Redox Dark S		6)			Very Shallow Dark Surface (TF12)
Depleted Below		(A11)	Depleted Dar					Other (Explain in Remarks)
Thick Dark Sur			Redox Depre					
Sandy Mucky N	Mineral (S1) (L	RR N,	Iron-Mangane	ese Masse	es (F12) (I	LRR N,		
MLRA 147,			MLRA 13					
Sandy Gleyed			Umbric Surfa					³ Indicators of hydrophytic vegetation and
Sandy Redox (Piedmont Flo					wetland hydrology must be present,
Stripped Matrix			Red Parent N	naterial (F	21) (MLR.	A 127, 147	/)	unless disturbed or problematic.
Restrictive Layer	ir observed):							
Type:			-				Undria	Soil Present? Yes V No No
Depth (inches):							nyunc	Soli Plesentr Fes_P No
Remarks:								
Unable to r	ebieve n	leals hed	laver					
Olivies , ,	-11,000	Copie Co.	1					
,								

Environmental Field Surveys Wetland Photo Page



Wetland data point wrap027e_w facing northwest.



Wetland data point wrap027e_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: 3/17/2016 State: WV Sampling Point: Wrap 027_ w Applicant/Owner: ___ Dominion Investigator(s): ESI (R. Turnbull) Section, Township, Range: N/A Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): concave Slope (%): 25-30% Subregion (LRR or MLRA): LRR N Lat: 38.61210 Long: -80.1554Z Datum: WG584 Soil Map Unit Name: Gilpin channery silt loam, 25-35% slopes NWI classification: NA 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 _____ 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, etc. Yes ____ No___ Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? Yes ____ No_ V Yes____ No___ within a Wetland? Yes ____ No__/ Wetland Hydrology Present? Remarks: **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) __ Drainage Patterns (B10) ___ High Water Table (A2) Oxidized Rhizospheres on Living Roots (C3) ___ Moss Trim Lines (B16) ___ Saturation (A3) __ Dry-Season Water Table (C2) ___ Water Marks (B1) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) ___ Crayfish Burrows (C8) Sediment Deposits (B2) ___ Thin Muck Surface (C7) __ Saturation Visible on Aerial Imagery (C9) __ Drift Deposits (B3) __ Stunted or Stressed Plants (D1) ___ Algal Mat or Crust (B4) Other (Explain in Remarks) Geomorphic Position (D2) __ Iron Deposits (B5) ___ Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3) ___ Microtopographic Relief (D4) ___ Water-Stained Leaves (B9) __ FAC-Neutral Test (D5) __ Aquatic Fauna (B13) Field Observations: Yes ____ No __ Depth (inches): NA Surface Water Present? Yes ____ No __ Depth (inches): >20 Water Table Present? Wetland Hydrology Present? Yes _____ No____ Yes ____ No __ Depth (inches): > 26 Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

7.50	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30ft. x 30ft.)	% Cover	Species		Number of Dominant Species
1. Fagus grandifolia	30	Y	FACU	That Are OBL, FACW, or FAC: (A)
2				Total Number of Demissors
3,				Total Number of Dominant Species Across All Strata: (B)
4				Species Across Am Strate.
				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 25 (A/B)
6				Prevalence Index worksheet:
7				 It is the reduced and applied for the database of the control of the
	30	= Total Co	ver	Total % Cover of: Multiply by:
50% of total cover: 15	20% of	total cover	:_6	OBL species x 1 = G
Sapling/Shrub Stratum (Plot size: 36ft. x 36 ft.)				FACW species x 2 = @
1. Fagus grandifolia	30	Y	FACU	FAC species x 3 = 15
2		d volum	750 750	FACU species 90 x 4 = 360
CONTRACTOR AND THE PROPERTY OF				UPL species O x 5 = O
3.				Column Totals: 95 (A) 375 (B)
4				Column Totals: (A) (B)
5				Prevalence Index = B/A = 3.95
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
[기급한 문항이라면 그리고 보고 가입니다. 그리고 하면 하는데 이렇게 되었다면 하는데 이렇게 되었다면 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데			100000000000000000000000000000000000000	2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.01
	30	= Total Co	ver	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 15	20% of	total cover	:_6_	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 30ft, x30ft.)				all all 1900는 1900년 1900년 1900년 1907년 1일에 대한민국 1900년 1900년 1900년 1900년 1900년 1900년 1900년 1900년 1900년 1900년 1900년
1. Polystichum acrostichoides	30	Y	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2	Charles Communication about	Advisor so companies you	AND LONG CONTRACTOR	
				¹ Indicators of hydric soil and wetland hydrology must
3				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 m) tall.
10				m) tan.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Co		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 15	20% of	total cover	:_6_	Manda de la companya
Woody Vine Stratum (Plot size: 30 ft. 23 oft.)				Woody vine – All woody vines greater than 3.28 ft in height.
1. Smilar rotundifolia	5	4	FAC	moight.
	Cally State of the Section			
2				
3				
4				Hydrophytic
5				Vegetation
	5	= Total Co	/er	Present? Yes No
50% of total cover: 2.5	20% of	total cover	: 1	
Remarks: (Include photo numbers here or on a separate s	100 per 100 (0) 7 (0) (0 (2), 13/4	donali ak arat dost. A di makat da da 22		
remarks. (include prioto numbers here of on a separate s	ileet.)			

	ription: (Describe	to the depth	needed to document t		irm the ab	sence of indicate	ors.)	
Depth	Matrix (Salar (S	0/	Redox Fea	tures	_		Domestic	
(inches)	Color (moist)	%	Color (moist) %	Type ¹ Loc ²	NOTATION OF THE STATE OF		Remarks	
0-6	104R3/2	100						
6-20	104R5/4	100				<u> </u>		
	The state of the s							
1Type: C-Cc	ncentration D=Der	oletion RM-E	Reduced Matrix, MS=Mas	ked Sand Grains	² Locati	on: PL=Pore Lin	ing M=Matrix	
Hydric Soil I		Siction, reivi-r	Reduced Madrix, MIS-Mas	sked Sand Grains.	Locati	Indicators for P	roblematic Hy	dric Soils3:
Histosol			Dark Surface (S7)				A10) (MLRA 1	
	ipedon (A2)		Polyvalue Below S	urface (S8) (MLRA 1	47, 148)		Redox (A16)	
Black His			Thin Dark Surface	(S9) (MLRA 147, 148		(MLRA 14	17, 148)	
	n Sulfide (A4)		Loamy Gleyed Mat				oodplain Soils	(F19)
The second secon	Layers (A5)		Depleted Matrix (F			(MLRA 13		(7546)
	ck (A10) (LRR N)	- (011)	Redox Dark Surface				v Dark Surface in in Remarks)	
THE RESERVE THE PROPERTY OF TH	Below Dark Surfac rk Surface (A12)	e (ATT)	Depleted Dark Surface Redox Depression			Other (Expla	iii iii Kemaiks,	
15-4-4 12-215-5 5000 children salarda	ucky Mineral (S1) (LRR N.		asses (F12) (LRR N,				
	147, 148)		MLRA 136)					
	leyed Matrix (S4)			13) (MLRA 136, 122)		3Indicators of h		
	edox (S5)		Piedmont Floodpla				ology must be p	
	Matrix (S6)		Red Parent Materia	al (F21) (MLRA 127,	147)	unless disturb	ed or problem	atic.
Restrictive L	ayer (if observed)	:						
Type:			<u></u>					
Depth (inc	hes):				Hydri	c Soil Present?	Yes	No <u> </u>
Remarks:								

Environmental Field Surveys Wetland Photo Page



Upland data point wrap027_u facing southwest.



Upland data point wrap027_u facing southeast.

Photo Sheet 2 of 2