



Photo Location 88. View of Stream 68. Photograph taken facing downstream/southeast.



Photo Location 89. View of Open Water 5. Photograph taken facing northeast.





Photo Location 90. View of Stream 69. Photograph taken facing upstream/northwest.



Photo Location 90. View of Stream 69. Photograph taken facing downstream/southeast.





Photo Location 91. View of Stream 70. Photograph taken facing upstream/north.



Photo Location 91. View of Stream 70. Photograph taken facing downstream/south.





Photo Location 92. View of Stream 71. Photograph taken facing upstream/northeast.



Photo Location 92. View of Stream 71. Photograph taken facing downstream/southwest.





Photo Location 93. Representative view of an upland drainage feature with no downstream connection. Photograph taken facing north.



Photo Location 94. Representative view of a forested upland drainage feature. Photograph taken facing northwest.





Photo Location 95. Representative view of an upland drainage feature in a residential area. Photograph taken facing south.



Photo Location 96. View of Stream 72. Photograph taken facing upstream/southwest.





Photo Location 96. View of Stream 72. Photograph taken facing downstream/northeast.



Photo Location 97. View of Stream 73. Photograph taken facing upstream/east.





Photo Location 97. View of Stream 73. Photograph taken facing downstream/west.



Photo Location 98. View of Stream 74. Photograph taken facing upstream/northwest.





Photo Location 98. View of Stream 74. Photograph taken facing downstream/southeast.



Photo Location 99. View of Stream 75. Photograph taken facing upstream/north.





Photo Location 99. View of Stream 75. Photograph taken facing downstream/south.



Photo Location 100. View of Stream 76. Photograph taken facing upstream/northwest.





Photo Location 100. View of Stream 76. Photograph taken facing downstream/southeast.



Photo Location 101. View of Stream 77 (Betty's Creek). Photograph taken facing upstream/north.





Photo Location 101. View of Stream 77 (Betty's Creek). Photograph taken facing downstream/south.



Photo Location 102. View of Open Water 6. Photograph taken facing south.





Photo Location 103. View of Wetland 7. Photograph taken facing north.



Photo Location 103. View of Wetland 7. Photograph taken facing east.





Photo Location 104. View of Wetland 8. Photograph taken facing north.



Photo Location 104. View of Wetland 8. Photograph taken facing south.





Photo Location 105. View of Wetland 9. Photograph taken facing north.



Photo Location 105. View of Wetland 9. Photograph taken facing south.





Photo Location 106. View of Stream 78. Photograph taken facing upstream/west.



Photo Location 106. View of Stream 78. Photograph taken facing downstream/east.





Photo Location 107. View of Stream 79. Photograph taken facing upstream/east.



Photo Location 107. View of Stream 79. Photograph taken facing downstream/west.





Photo Location 108. View of Stream 80. Photograph taken facing upstream/southwest.



Photo Location 108. View of Stream 80. Photograph taken facing downstream/northwest.





Photo Location 109. View of Stream 81. Photograph taken facing upstream/south.



Photo Location 109. View of Stream 81. Photograph taken facing downstream/east.





Photo Location 110. View of Stream 82. Photograph taken facing upstream/east.



Photo Location 110. View of Stream 82. Photograph taken facing downstream/west.





Photo Location 111. View of Wetland 10. Photograph taken facing east.



Photo Location 111. View of Wetland 10. Photograph taken facing south.





Photo Location 112. View of upland at wetland determination sample point (SP 31). Photograph taken facing southeast.



Photo Location 113. View of upland at wetland determination sample point (SP 30). Photograph taken facing south.





Photo Location 114. View of Stream 83. Photograph taken facing upstream/west.



Photo Location 114. View of Stream 83. Photograph taken facing downstream/east.





Photo Location 115. View of Stream 84. Photograph taken facing upstream/southwest.



Photo Location 115. View of Stream 84. Photograph taken facing downstream/northeast.





Photo Location 116. View of Stream 85. Photograph taken facing upstream/south.



Photo Location 116. View of Stream 85. Photograph taken facing downstream/north.





Photo Location 117. View of Open Water 7. Photograph taken facing south.

Habitat Photographs







Photo Location 1. Representative view of agricultural field habitat. Photograph taken facing northwest.



Photo Location 2. Representative view of early successional deciduous/coniferous forest habitat. Photograph taken facing northwest.





Photo Location 3. Representative view of hayfield habitat. Photograph taken facing northeast.



Photo Location 4. Representative view of industrial habitat. Photograph taken facing north.





Photo Location 5. Representative view of mixed early successional/second growth deciduous forest. Photograph taken facing southwest.



Photo Location 6. Representative view of new field habitat. Photograph taken facing northeast.





Photo Location 7. Representative view of old field habitat. Photograph taken facing northwest.



Photo Location 8. Representative view of pasture habitat. Photograph taken facing east.





Photo Location 9. Representative view of residential lawn habitat. Photograph taken facing east.



Photo Location 10. Representative view of second growth coniferous forest habitat.

Photograph taken facing south.





Photo Location 11. Representative view of second growth deciduous forest. Photograph taken facing east.



Photo Location 12. Representative view of mixed early successional/second growth riparian forest habitat. Photograph taken facing northeast.





Photo Location 13. Representative view of early successional riparian forest habitat. Photograph taken facing south.



Photo Location 14. Representative view of potential bat roost tree. Photograph taken facing south.





Photo Location 15. Representative view of existing dirt/gravel access road. Photograph taken facing west.



Photo Location 16. Representative view of existing gravel access road. Photograph taken facing southeast.

WARE ROAD - SEAMAN 138 KV TRANSMISSION LINE REBUILD PROJECT, ADAMS COUNTY AND PIKE COUNTY, OHIO

Appendix D Data Forms

D.1 WETLAND DETERMINATION DATA FORMS





Are Vegetation C Are Vegetation C SUMMARY OF F Hydrophytic Veg	American E Aaron Kwo Side slope 25% cologic condi , Soil	Latitud tions on the site typ r Hydrology □sigr r Hydrology □hatu ent?	e: 38.94623 pical for this til	Loc L me of year rbed? latic?	cal Relief: Longitude: ar? (If no, exp	Dan Scl VI/WWI Convex -83.543 lain in rema	Classification: 649	Datum: Yes mstances pres No Hydric Soils F	No sent? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range:	SP 1 UPL N/A N/A N/A	Dir: Yes 🛂	No
Wetland Hydrolo Remarks:		et area during rainfa	all with cattle o	☑ Yes			ummucks	Is This Samp	ling Point V	Vithin A Wetla	and?	Yes 🔼	No
rtomanto.	Tim oldo we	x aroa daring raine	ar war oatao g	jruzing or	oating vog	otatoa 11	diffillation.						
HYDROLOGY													
Primary:	A1 - Surface A2 - High Wa A3 - Saturatio B1 - Water M B2 - Sedimer B3 - Drift Dep B4 - Algal Ma B5 - Iron Dep	ater Table on farks nt Deposits posits at or Crust		e not pres	B9 - Wate B13 - Aqu B14 - True C1 - Hydr C3 - Oxidi C4 - Prese	atic Fauna e Aquatic logen Sulficed Rhizo ence of Rent Iron Rent Muck Surf	a Plants de Odor espheres on Livin educed Iron eduction in Tilled face		0000000	B6 - Surface Sc B8 - Sparsely Ve B10 - Drainage B16 - Moss Trin C2 - Dry Seast C8 - Crayfish B C9 - Saturation D1 - Stunted or D2 - Geomorph D3 - Shallow Ac D4 - Microtopog D5 - FAC-Neutr	egetated Cond Patterns In Lines In Water Tab In Water Tab In Water Tab In Water Tab Visible on Ae Stressed Platic Position Quitard Graphic Reliel	le erial Imagery ants	
Field Observati Surface Water F Water Table Pre Saturation Prese Describe Records	resent? sent? ent?	✓ Yes ☐ No ☐ Yes ✓ No ☐ Yes ✓ No ☐ yes ✓ No am gauge, monitorir	Depth: Depth: Depth:		(in.) (in.) (in.) evious insp	ections),	if available:	Wetland Hyd	Irology Pre	esent?	l Yes 🗆	No	
Remarks:		ter due to rainfall o				,							
SOILS													
Map Unit Name:					5	Series Dr	rainage Class:						
Taxonomy (Sub													
	1	e depth needed to document the indi	cator or confirm the absen		(Type: C=Concent	ration, D=Deple	tion, RM=Reduced Matrix,		Grains; Location: PL	=Pore Lining, M=Matrix)		Texture	
Top Depth	Bottom Depth	Horizon	Color (Matrix Moist)	%	Col	lor (Moist)	Mottles %	Type	Location	(e.g.	clay, sand, l	loam)
0	3		10YR	4/3	100					LOCATION	(0.9.	clay loam	ioaiii)
3	7		10YR	5/3	100							clay	
7	15		10YR	5/1	100							clay	
NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark 1 - Sandy Muck 4 - Sandy Gleye	don ulfide yers ((LRR N) Below Dark Sui Surface (Mineral (LRR N	Į.	re if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalid S9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox L F8 - Redox L	Redox I Matrix Irface Ie Below D Irk Surface Gleyed Mat Id Matirx Dark Surfac Dark Surfac	ark Surface (MLRA 147, 148) rix ce face		☐ F13 - Um ☐ F19 - Pie	n-Manganese Ma abric Surface (MLR dmont Floodplain d Parent Materia	A 122, 136) E 1 SOIIS (MLRA E E I (MLRA 127, 147)	A16 - Coast F F19 - Piedmon TF12 - Very	Muck (MLRA 147) Prairie Redox (M It Floodplain So Shallow Darl ain in Remark	ILRA 147, 148) ils (MLRA 136, 147) k Surface :s)	
Restrictive Layer (If Observed)	Type:	NA		Depth:	NA			Hydric Soil F	Present?		Yes 🗹	No	
Remarks:													



Project/Site:	Ware Road - Seaman 138 kV Transmission Line F	Project		Wetland ID: N/A Sample Point SP 1
VEGETATION	(Species identified in all uppercase are non-native	species.)		
Tree Stratum (Plo				
	Species Name	% Cover Domina		Dominance Test Worksheet
1.				N
2.				Number of Dominant Species that are OBL, FACW, or FAC:(A)
3.				T. W. J. (D. J. (D. J. (D.)
4.				Total Number of Dominant Species Across All Strata:(B)
5.				
6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7.				Presidence to des Manhabart
8.				Prevalence Index Worksheet
9.				Total % Cover of: Multiply by:
10.	Total Cover =	= 0		OBL spp. 15
	Total Cover =	= 0		FACW spp. 5
0 - 1 - 10 - 100 - 1	(District 45 (1 or 1) or			
1.	tum (Plot size: 15 ft radius)			FACU spp. 9
2.				UPL spp. 71
3.				Total 100 (A) 416 (B)
4.				Total 100 (A) 416 (B)
5.				Prevalence Index = B/A = 4.160
6.				1 revalence index = D/A = 4.700
7.				
8.				Hydrophytic Vegetation Indicators:
9.				Yes □ □ No Rapid Test for Hydrophytic Vegetation
10.				Yes □ ☑ No Dominance Test is > 50%
	Total Cover =	= 0		Yes □ ☑ No Prevalence Index is ≤ 3.0 *
				Yes □ □ No Morphological Adaptations (Explain) *
Herb Stratum (Plot	size: 5 ft radius)			Yes □ □ No Problem Hydrophytic Vegetation (Explain) *
1.	Daucus carota	5 N	UPL	1
2.	Festuca arundinacea	36 Y	UPL	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Cirsium arvense	3 N	FACU	process, distorted of prostermation
4.	Juniperus virginiana	4 N	FACU	Definitions of Vegetation Strata:
5.	Setaria glabra	30 Y	UPL	
6	Cyperus strigosus	5 N	FACW	
7.	Carex frankii	15 N	OBL	height (DBH), regardless of height.
8.	Solidago altissima	2 N	FACU	
9.				Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.				
11.				
12.				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.				··
14.				Woody Vines - All woody vines greater than 3.28 ft. in height.
15.	Total Occurs	400		Woody Villes - All Woody Villes greater than 3.20 ft. in height.
	Total Cover =	= 100		
Moody Vina Strati	m (Plot size: 30 ft radius)			
1.	(Plot size. 30 it radius)			
2.				
3.				Hydrophytic Vegetation Present □ Yes ☑ No
4.				
5.				
	Total Cover =	= 0		
Remarks:		-		
Additional Ren	narks:			



Project/Site:	Ware Road -	Seaman 138 kV Tran	smission Line P	roject		Stant	ec Project #:	193704860		Date:	12/13/16	
Applicant:		Electric Power								County:	Adams	
Investigator #1:				Invest	tigator #2:					State:	Ohio	
Soil Unit:		y clay loam 20-40 per	cent slopes				Classification:	PUB		Wetland ID:		
Landform:	Depression		lo. 20 0E467		cal Relief:			Dotum	NADoo	Sample Point:		
Slope (%):	5	tions on the site ty	le: 38.95467		_ongitude:			✓ Yes □	NAD83	Community ID: Section:	PEIVI	
		r Hydrology			al : (ir no, exp	Δr	e normal circu			Township:		
		r Hydrology □hat				/ (1		□ No	oont:	Range:	Dir:	
SUMMARY OF F		Trydrology — Ide	arany problem	iatio:						rtango.	Dii.	
Hydrophytic Veg		ent?		☑ Yes	s 🗆 No			Hydric Soils I	Present?		☐ Yes ☑	No
Wetland Hydrolo				☑ Yes						Within A Wetla		No
Remarks:			, but signs of p	periodic ir			ringe of permir	nantly inundate	ed; wetland	appears to ha	ave been excavated a	nd original
	native soil a	and topsoil absent	signifiying pre	viously di	strbances							
HYDROLOGY												
Wetland Hydro	logy Indica	tors (Check here i	f indicators are	e not pres	sent):				Secondary:			
Primary:	<u></u>	•			•					B6 - Surface So		
	A1 - Surface				B9 - Wate						egetated Concave Surface	
	A2 - High Wa A3 - Saturation				B13 - Aqu B14 - Tru					B10 - Drainage B16 - Moss Trir		
7					C1 - Hydr					C2 - Dry Seaso		
	B2 - Sedimer						spheres on Living	g Roots		C8 - Crayfish B		
	B3 - Drift Dep						educed Iron	0-11-	님	C9 - Saturation	Visible on Aerial Imagery	
	B4 - Algal Ma B5 - Iron Dep			H	C6 - Rece		duction in Tilled	SOIIS		D1 - Stunted or D2 - Geomorph	Stressed Plants	
✓		on Visible on Aerial Im	nagery		Other (Ex					D3 - Shallow Ad	quitard	
										D4 - Microtopog		
										D5 - FAC-Neuti	ral l'est	
Field Observati												
Surface Water F		☑ Yes ☐ No	Depth:		(in.)			Wetland Hyd	drology Pr	esent?	Yes □ No	
Water Table Pre		☐ Yes ☑ No	Depth:		(in.)			·				
Saturation Prese		☑ Yes ☐ No	Depth:		(in.)							
				ohotos, pre	evious insp	ections),	if available:		N/A			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: N/A												
Remarks: Clay soils preclude water table evidence												
	Clay soils p	oreclude water tabl	e evidence									
SOILS						Danias Da	ories en Olesse					
SOILS Map Unit Name:	Opequon s	oreclude water table ilty clay loam 20-40		es	;	Series Dr	ainage Class:	moderately w	vell drained			
SOILS Map Unit Name: Taxonomy (Subs	Opequon s	ilty clay loam 20-40) percent slope									
SOILS Map Unit Name: Taxonomy (Subo	Opequon s group): tion (Describe to the) percent slope	nce of indicators.)				CS=Covered/Coated Sand			Texture	
SOILS Map Unit Name: Taxonomy (Subo Profile Descript	Opequon s group): tion (Describe to the	ilty clay loam 20-4(percent slope	nce of indicators.) Matrix	(Type: C=Concen	tration, D=Deplet	ion, RM=Reduced Matrix, (CS=Covered/Coated Sand	Grains; Location: Pl	L=Pore Lining, M=Matrix)	Texture (e.g. clay, sand,	loam)
SOILS Map Unit Name: Taxonomy (Subo	Opequon s group): tion (Describe to the	ilty clay loam 20-40) percent slope	nce of indicators.) Matrix		tration, D=Deplet		CS=Covered/Coated Sand			(e.g. clay, sand,	loam)
SOILS Map Unit Name: Taxonomy (Substitution of the Description of the Description of the Description of the Depth of the Description of the Descri	Opequon s group): tion (Describe to the Bottom Depth	ilty clay loam 20-4(e depth needed to document the inc Horizon	D percent slope dicator or confirm the absentance Color (nce of indicators.) Matrix Moist)	(Type: C=Concen	tration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PI	L=Pore Lining, M=Matrix)		loam)
SOILS Map Unit Name: Taxonomy (Substitution of the Description of the	Opequon s group): tion (Describe to th Depth 14	ilty clay loam 20-4(e depth needed to document the inc Horizon 1	D percent slope licator or confirm the abservation (Color (10YR))	Matrix Moist) 5/4	(Type: C=Concen	tration, D=Deplet	or (Moist)	S=Covered/Coated Sand Mottles % 30	Grains; Location: PI Type C	L=Pore Lining, M=Matrix) Location M	(e.g. clay, sand, clay loam	loam)
SOILS Map Unit Name: Taxonomy (Substitution of the Description of the	Opequon s group): tion (Describe to the Bottom Depth 14	ilty clay loam 20-4(e depth needed to document the inc Horizon 1	O percent slope licator or confirm the abser Color (10YR	Matrix Moist) 5/4	(Type: C=Concen	tration, D=Deplet	or (Moist)	Mottles % 30	Grains; Location: PI Type C	L=Pore Lining, M=Matrix) Location M	(e.g. clay, sand, clay loam	loam)
SOILS Map Unit Name: Taxonomy (Substitution of the Description of the	Opequon s group): tion (Describe to th Bottom Depth 14	ilty clay loam 20-4(e depth needed to document the inc Horizon 1	Color (Matrix Moist) 5/4	(Type: C=Concen	tration, D=Deplet	or (Moist) 6/8	S=Covered/Coated Sand Mottles % 30	Grains; Location: PI Type C	L=Pore Lining, M=Matrix) Location M	(e.g. clay, sand, clay loam 	loam)
SOILS Map Unit Name: Taxonomy (Substitution of the Description of the	Opequon s group): tion (Describe to th Bottom Depth 14	ilty clay loam 20-4(e depth needed to document the inc Horizon 1	Color (10YR	Matrix Moist) 5/4	(Type: C=Concen	tration, D=Deplet	or (Moist) 6/8	S=Covered/Coated Sand Mottles % 30	Grains; Location: PI Type C	L=Pore Lining, M=Matrix) Location M	(e.g. clay, sand, clay loam 	loam)
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0	Opequon s group): tion (Describe to th Bottom Depth 14	ilty clay loam 20-4(e depth needed to document the inc Horizon 1	Color (10YR	Matrix Moist) 5/4	(Type: C=Concen	tration, D=Deplet	or (Moist) 6/8	SS=Covered/Coated Sand Mottles % 30	Grains; Location: PI Type C	L=Pore Lining, M=Matrix) Location M	(e.g. clay, sand, clay loam 	loam)
SOILS Map Unit Name: Taxonomy (Substitution of the Description of the	Opequon s group): tion (Describe to th Bottom Depth 14	ilty clay loam 20-4(e depth needed to document the inc Horizon 1	Color (10YR	Matrix Moist) 5/4	(Type: C=Concen	Col 10YR	or (Moist) 6/8	SS=Covered/Coated Sand Mottles % 30	Grains; Location: PI	L=Pore Lining, M=Matrix) Location M	(e.g. clay, sand, clay loam	loam)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 NRCS Hydric S	Opequon s group): tion (Describe to th Bottom Depth 14	ilty clay loam 20-4(e depth needed to document the inc Horizon 1	Color (10YR	Matrix Moist) 5/4 s are not	(Type: C=Concen	tration, D=Deplet	or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 30	Grains: Location: PI	LePore Lining, M=Matrix) Location M Indicators for	(e.g. clay, sand, clay loam	loam)
SOILS Map Unit Name: Taxonomy (Subgenies) Profile Description Top Depth 0	Opequon s group): tion (Describe to th	e depth needed to document the inc Horizon 1	Color (10YR	Matrix Moist) 5/4 s are not Redox	(Type: C=Concen	Col 10YR	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C	LePore Lining, M=Matrix) Location M Indicators fo A10 - 2cm M	(e.g. clay, sand, clay loam	loam)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S	Opequon s group): tion (Describe to th	e depth needed to document the inc Horizon 1	Color (10YR	Matrix Moist) 5/4 s are not Redox	(Type: C=Concen	Col 10YR	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C	LePore Lining, M=Matrix) Location M Indicators for A10 - 2cm N A16 - Coast F	(e.g. clay, sand, clay loam	
SOILS Map Unit Name: Taxonomy (Subgenies) Profile Description Top Depth 0	Opequon s group): tion (Describe to th	e depth needed to document the inc Horizon 1	Color (10YR	Matrix Moist) 5/4 s are not Redox d Matrix Matrix Moisty	(Type: C=Concen	Col 10YR): Z	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C 3SSES (LRR N, N, RA 122, 136) [In SOils (MLRA F.	LePore Lining, M=Matrix) Location M Indicators fo A10 - 2 cm M A16 - Coast F19 - Piedmon	(e.g. clay, sand, clay loam	
SOILS Map Unit Name: Taxonomy (Subperofile Description Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La	Opequon s group): tion (Describe to the Depth 14 Soil Field Inc. don	e depth needed to document the inc Horizon 1	Color (10YR	Matrix Moist) 5/4 s are not Redox d Matrix Irrace Below D rk Surface	(Type: C=Concen	Col 10YR): (MLRA 147, 1-	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C 3SSES (LRR N, M At 122, 136) [I SOIIS (MLRA [LePore Lining, M=Matrix) Location M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very	(e.g. clay, sand, clay loam	
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	Opequon s group): tion (Describe to th	ilty clay loam 20-40 e depth needed to document the inc Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 5/4 s are not Redox d Matrix Matrix Moist) 5/4	(Type: C=Concen	Col 10YR): (MLRA 147, 1-	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C 3SSES (LRR N, M At 122, 136) [I SOIIS (MLRA [LePore Lining, M=Matrix) Location M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very	(e.g. clay, sand, clay loam	
SOILS Map Unit Name: Taxonomy (Suby Profile Descript Top Depth 0	Opequon s group): tion (Describe to th	ilty clay loam 20-40 e depth needed to document the inc Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 5/4 s are not Redox d Matrix urface ue Below D Matrix	(Type: C=Concen	Col 10YR): (MLRA 147, 1-	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C 3SSES (LRR N, M At 122, 136) [I SOIIS (MLRA [LePore Lining, M=Matrix) Location M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very	(e.g. clay, sand, clay loam	
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	Opequon s group): tion (Describe to th Depth 14 Soil Field Ind don ulfide typers (LIRR N) Sellow Dark Sur s Surface	e depth needed to document the inc Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 5/4 s are not Matrix Moist) 8 di Matrix Irface Le Below D rk Surface Gleyed Mat di Matrix Dark Surface Dark Surface Dark Surface Dark Surface	(Type: C=Concen	Col 10YR): (MLRA 147, 1-	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C 3SSES (LRR N, M At 122, 136) [I SOIIS (MLRA [LePore Lining, M=Matrix) Location M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very	(e.g. clay, sand, clay loam	
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	Opequon s group): tion (Describe to the Depth 14 Soil Field Ind don fulfide flyers c (LRR N) Selow Dark Suit Selow Dark Suit Selow Control (LRR N) Mineral (LRR N)	e depth needed to document the inc Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 5/4 s are not Redox d Matrix Hatrix Below D rk Surface Gleved Mat d Matrix Dark Surface d Dark Surfa	(Type: C=Concen	Col 10YR): (MLRA 147, 1-	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C	LePore Lining, M=Matrix) Location M Indicators fo A10 - 2cm N A16 - Coastr F F19 - Piedmon TF12 - Very Other (Explain	(e.g. clay, sand, clay loam)
SOILS Map Unit Name: Taxonomy (Suby Profile Descript Top Depth 0	Opequon s group): tion (Describe to the Depth 14 Soil Field Ind don fulfide flyers c (LRR N) Selow Dark Suit Selow Dark Suit Selow Control (LRR N) Mineral (LRR N)	e depth needed to document the inc Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 5/4 s are not Redox d Matrix Hatrix Below D rk Surface Gleved Mat d Matrix Dark Surface d Dark Surfa	(Type: C=Concen	Col 10YR): (MLRA 147, 1-	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C	LePore Lining, M=Matrix) Location M Indicators for A10 - 2cm N A16 - Coastr F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, clay loam)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	Opequon s group): tion (Describe to th Depth 14 Soil Field Ine don ulfide typers (c LIRR N) below Dark Suit s Surface k Mineral (LIRR N ed Matrix Type:	e depth needed to document the inc Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 5/4 s are not Redox d Matrix urface ue Below D Gleved Matrix d Matrix Depression Depth:	(Type: C=Concen	Col 10YR): (MLRA 147, 12	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C	LePore Lining, M=Matrix) Location M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, clay loam) oed or problematic.
SOILS Map Unit Name: Taxonomy (Suby Profile Descript Top Depth 0	Opequon s group): tion (Describe to the Depth 14 Soil Field Ine don ulfide tyers (c ILRR N) below Dark Suit s Surface k Mineral (LRR N ed Matrix Type:	e depth needed to document the inc Horizon 1 dicators (check here fface MLRA 147, 148)	Color (10YR	Matrix Moist) 5/4 s are not Redox d Matrix urface ue Below D Gleved Matrix d Matrix Depression Depth:	(Type: C=Concen	Col 10YR	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C	LePore Lining, M=Matrix) Location M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, clay loam) oed or problematic.
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	Opequon s group): tion (Describe to th Depth 14 Soil Field Ine don ulfide typers (c LIRR N) below Dark Suit s Surface k Mineral (LIRR N ed Matrix Type:	e depth needed to document the inc Horizon 1 dicators (check here fface MLRA 147, 148)	Color (10YR	Matrix Moist) 5/4 s are not Redox d Matrix urface ue Below D Gleved Matrix d Matrix Depression Depth:	(Type: C=Concen	Col 10YR	or (Moist) 6/8	Mottles % 30	Grains; Location: PI Type C	LePore Lining, M=Matrix) Location M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, clay loam) oed or problematic.



Project/Site:	Ware Road - Seaman 138 kV Trans	mission Line Pro	oject			Wetland ID: Wetland 1 Sample Point SP 2
VEGETATION	(Species identified in all uppercase a	ire non-native sp	oecies.)			
Tree Stratum (Plo	t size: 30 ft radius)					
	Species Name	-	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.						
2.						Number of Dominant Species that are OBL, FACW, or FAC:1 (A)
3.						
4.						Total Number of Dominant Species Across All Strata: 1 (B)
5.					-	
6.						Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.						
8.						Prevalence Index Worksheet
9.						Total % Cover of: Multiply by:
10.						OBL spp. 7 X 1 = 7
	Т	otal Cover =	0			FACW spp. 82 X 2 = 164
						FAC spp. 0
Sapling/Shrub Stra	atum (Plot size: 15 ft radius)					FACU spp. 0 x 4 = 0
1.						UPL spp. 0
2.						
3.						Total 89 (A) 171 (B)
4.						10tal(5)
5.						Prevalence Index = B/A = 1.921
6.						Trevalence index = B/A = 1.321
7.						
8.						Hydrophytic Vegetation Indicators:
9.						
						Yes 🖸 🗋 No Rapid Test for Hydrophytic Vegetation
10.		-1-1-0				Yes ☑ ☐ No Dominance Test is > 50%
	ı	otal Cover =	0			Yes ☑ No Prevalence Index is ≤ 3.0 *
						Yes 🔲 🗹 No Morphological Adaptations (Explain) *
Herb Stratum (Plot					0.51	Yes 🗖 🗹 No Problem Hydrophytic Vegetation (Explain) *
1.	Typha latifolia		5	N	OBL	* Indicators of hydric soil and wetland hydrology must be
2.	Juncus effusus		2	N	FACW	present, unless disturbed or problematic.
3.	Eleocharis engelmannii		80	Y	FACW	
4.	Alisma subcordatum		2	N	OBL	Definitions of Vegetation Strata:
5.						
6						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.						height (DBH), regardless of height.
8.						
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.						Carl.
11.						
12.						Herb - All herbaceous (non-woody) plants, regardless of size,
13.						and woody plants less than 3.28 ft. tall.
14.						
15.					-	Woody Vines - All woody vines greater than 3.28 ft. in height.
	Т	otal Cover =	89			
Woody Vine Stratu	ım (Plot size: 30 ft radius)					
1.						
2.						
3.						Hydrophytic Vegetation Present ☑ Yes ☐ No
4.						
5.						
<u> </u>		otal Cover =	0			
Remarks:		0101 00101 =]	
Additional D	andra.					
Additional Ren	пагкѕ:					



										_		
Project/Site:		Seaman 138 kV Transr	nission Line Pr	roject		Stant	ec Project #:	193704860		Date:	12/13/16	
Applicant:		Electric Power								County:	Adams	
Investigator #1:	Bruce Jone	es		Invest	igator #2:	Kate Bo	mar			State:	Ohio	
Soil Unit:	Jessup silt lo	am 0-8% slopes			N\	NI/WWI	Classification:	PUB		Wetland ID:	Wetland 1	
Landform:	Pasture			Loc	cal Relief:	Linear				Sample Point:	SP 3	
Slope (%):	5	Latitude	: 38.95467	L	ongitude:	-83.469	890	Datum:	NAD83	Community ID:	UPLAND	
Are climatic/hvd	rologic cond	itions on the site typi	cal for this tir	me of vea	r? (If no. ext	olain in rema	ırks)	☑ Yes □	No	Section:		
		r Hydrology □signi					e normal circu	mstances pre	sent?	Township:		
Are Vegetation	□, Soil □.	or Hydrology hatu	rally problem	atic?			☑ Yes			Range:	Dir: -	
SUMMARY OF		Tryarology — lata	rany problem	iatio.						rtango.	ъп.	
Hydrophytic Ved		ont?		☐ Yes	s ☑ No			Hydric Soils I	Procent?		☐ Yes ☑] No
Wetland Hydrolo				☐ Yes						Vithin A Motle		_
Remarks:	ogy Present			□ res	S L INO			Is This Samp	ning Point v	vitnin A wetta	and? Tes	NO NO
Remarks.												
HYDROLOGY												
Wetland Hydro	ology Indica	tors (Check here if i	ndicators are	e not pres	ent):	7			Secondary:			
<u>Primary</u>										B6 - Surface So		
	A1 - Surface				B9 - Wate						egetated Concave Surfa	ice
					B13 - Aqu					B10 - Drainage		
	A3 - Saturati				B14 - Tru					B16 - Moss Tri		
	B1 - Water N B2 - Sedime			ä	C1 - Hydr		ae Oaor spheres on Livin	a Poote		C2 - Dry Seaso C8 - Crayfish B		
	B3 - Drift De						educed Iron	ig ixoots			Visible on Aerial Imag	orv.
	B4 - Algal Ma						duction in Tilled	Soils			Stressed Plants	Ciy
	B5 - Iron Der				C7 - Thin			000		D2 - Geomorph		
	B7 - Inundati	on Visible on Aerial Imag	gery		Other (Ex	plain in Re	emarks)			D3 - Shallow A		
										D4 - Microtopog		
										D5 - FAC-Neut	ral Test	
Field Observati	ions:											
Surface Water F	Present?	☐ Yes ☑ No	Depth:		(in.)			Wetlered His	dualant Du		IVaa 🗔 Na	
Water Table Pre	esent?	☐ Yes ☑ No	Depth:		(in.)			Wetland Hyd	arology Pre	esent?	Yes ☑ No	
Saturation Prese	ent?	☐ Yes ☑ No	Depth:		(in.)							
Danasika Danasid	I D-+- /-+				, ,	4! \	:f:1-1-1		N/A			
		am gauge, monitoring	j well, aerial p	onotos, pre	evious insp	pections),	if available:		IN/A			
Remarks:	Clay soils p	preclude water table	evidence			,.						
	Clay solls p	preclude water table	evidence									
SOILS			evidence									
SOILS Map Unit Name	: Jessup silt	oreclude water table	evidence				rainage Class:	moderately w	vell drained			
SOILS Map Unit Name Taxonomy (Sub	: Jessup silt group):	loam 0-8% slopes				Series Dr	ainage Class:	•				
SOILS Map Unit Name Taxonomy (Sub	: Jessup silt group): tion (Describe to the			nce of indicators.)		Series Dr	ainage Class:	•		=Pore Lining, M=Matrix)		
SOILS Map Unit Name Taxonomy (Sub	: Jessup silt group):	loam 0-8% slopes		nce of indicators.) Matrix		Series Dr	ainage Class:	•		=Pore Lining, M=Matrix)	Textu	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip	: Jessup silt group): tion (Describe to the	loam 0-8% slopes		Matrix		Series Dr	ainage Class:	CS=Covered/Coated Sand		=Pore Lining, M=Matrix) Location	Textul (e.g. clay, sai	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top	: Jessup silt group): tion (Describe to the Bottom	loam 0-8% slopes	ntor or confirm the absen	Matrix	(Type: C=Concen	Series Dr	rainage Class:	CS=Covered/Coated Sand Mottles	Grains; Location: PL			nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	: Jessup silt group): tion (Describe to the Bottom Depth	loam 0-8% slopes e depth needed to document the indicate Horizon	ator or confirm the absen	Matrix Moist)	(Type: C=Concen	Series Dr	rainage Class:	CS=Covered/Coated Sand Mottles %	Grains; Location: PL	Location	(e.g. clay, sar	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	: Jessup silt group): tion (Describe to the Bottom Depth	loam 0-8% slopes e depth needed to document the indicate Horizon 1	color (Matrix Moist) 4/4	(Type: C=Concen	Series Di	rainage Class: tion, RM=Reduced Matrix, tor (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL Type	Location	(e.g. clay, sar	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3	: Jessup silt group): tion (Describe to the Bottom Depth 3	loam 0-8% slopes e depth needed to document the indice Horizon 1 2	color (1000) 1000 1000 1000 1000 1000 1000 10	Matrix Moist) 4/4 5/4	(Type: C=Concen	Series Di	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 40	Grains; Location: PL Type C	Location 	(e.g. clay, sar clay clay	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3	: Jessup silt group): tion (Describe to the Bottom Depth 3 14	loam 0-8% slopes e depth needed to document the indice Horizon 1 2	Color (I	Matrix Moist) 4/4 5/4	(Type: C=Concen	Series DI tration, D=Deple Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 40	Grains; Location: PL Type C	Location M	(e.g. clay, sai clay clay	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3	: Jessup silt group): tion (Describe to the Depth 3 14	loam 0-8% slopes e depth needed to document the indica Horizon 1 2	confirm the absence Color (International Color (Int	Matrix Moist) 4/4 5/4	(Type: C=Concen	Series Dr. tration, D=Deple Col 10YR	rainage Class: or (Moist) 6/8	CS=Covered/Coated Sand Mottles %6 40	Grains; Location: PL Type C	Location M	(e.g. clay, sar clay clay 	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3	: Jessup silt group): tion (Describe to the Depth 3 14	loam 0-8% slopes e depth needed to document the indicate Horizon 1 2	Color (I	Matrix Moist) 4/4 5/4	(Type: C=Concen	Series Dri	rainage Class: or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 40	Grains; Location: PL Type C	Location M	(e.g. clay, sar	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3	: Jessup silt group): tion (Describe to the Depth 3 14	loam 0-8% slopes e depth needed to document the indicate Horizon 1 2	Color (I	Matrix Moist) 4/4 5/4	(Type: C=Concen	Series Dri	rainage Class: or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 40	Grains; Location: PL Type C	Location M	(e.g. clay, sar	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3	: Jessup silt group): tion (Describe to the Depth 3 14	loam 0-8% slopes e depth needed to document the indicate Horizon 1 2	Color (I	Matrix Moist) 4/4 5/4	(Type: C=Concen	Series Dri	rainage Class: or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 40	Grains; Location: PL Type C	Location M	(e.g. clay, sar	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric S	: Jessup silt group): tion (Describe to the Depth 3 14	loam 0-8% slopes e depth needed to document the indicate Horizon 1 2	Color (10YR 10YR 2 if indicators	Matrix Moist) 4/4 5/4 s are not p	(Type: C=Concen	Series Dri	rainage Class: ion, RM=Reduced Matrix, i or (Moist) 6/8	CS=Covered/Coated Sand Mottles %6 40	Grains; Location: PL Type C	Location M Indicators for	(e.g. clay, sar	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric S	: Jessup silt group): tion (Describe to the Depth 3 14	loam 0-8% slopes e depth needed to document the indicate Horizon 1 2	Color (10YR 10YR if indicators 55 - Sandy F	Matrix Moist) 4/4 5/4 s are not predox	(Type: C=Concen	Series Dri	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 40	Grains: Location: PL Type C	Location M Indicators for	(e.g. clay, sar	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric S	: Jessup silt group): tion (Describe to the Depth 3 14	loam 0-8% slopes e depth needed to document the indicate Horizon 1 2	Color (10YR 10YR if indicators \$5 - Sandy F \$6 - Stripped	Matrix Moist) 4/4 5/4 s are not predox	(Type: C=Concen	Series Dri	or (Moist) 6/8	CS=Covered/Coated Sand Mottles %6 40	Grains: Location: PL Type C	Location M Indicators fc A10 - 2cm M A16 - Coast R	(e.g. clay, sar	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric S 1- Histic Epipe 3 - Black Histic	: Jessup silt group): tion (Describe to the Depth 3 114	loam 0-8% slopes e depth needed to document the indicate Horizon 1 2	Color (10YR 10YR if indicators \$5 - Satripped \$7 - Dark Su	Matrix Moist) 4/4 5/4 s are not p Redox d Matrix urface	(Type: C=Concer	Series Dri tration, D=Deple Col 10YR):	rainage Class: or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 40	Grains: Location: PL Type C	Location M Indicators fc A10 - 2 cm M A16 - Coast F19 - Piedmor	(e.g. clay, sar clay clay r Problematic Soils fuck (MLRA 147) Prairie Redox (MLRA 147, 148 tt Floodplain Soils (MLRA 137, 148	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric S	: Jessup silt group): tion (Describe to II Bottom Depth 3 14	loam 0-8% slopes e depth needed to document the indicate Horizon 1 2	Color (10YR 10YR if indicators \$5 - Sandy F \$6 - Stripped	Matrix Moist) 4/4 5/4 s are not peedox edox inface ue Below Da	(Type: C=Concer	Series DI tration, D=Deple Col 10YR):	rainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles %6 40	Grains: Location: PL Type C 3SSES (LRR N, M. At 122, 136) In Soils (MLRA E.	Location M Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor	(e.g. clay, sar	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S	: Jessup silt group): tion (Describe to the Depth 3 14	loam 0-8% slopes e depth needed to document the indicate Horizon 1 2	Color (10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da \$72 - Loamy (Matrix Moist) 4/4 5/4 s are not peedox d Matrix urface ue Below Do rk Surface Gleyed Mat	(Type: C=Concern 96 100 100	Series DI tration, D=Deple Col 10YR):	rainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	Mottles % 40	Grains: Location: PL Type C 3SSES (LRR N, M. At 122, 136) In Soils (MLRA E.	Location M Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor	(e.g. clay, sar clay clay clay	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric 3 1- Histosol 2- Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Mucl	: Jessup silt group): tion (Describe to the Depth	loam 0-8% slopes e depth needed to document the indice Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR 2 if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Depleter	Matrix Moist) 4/4 5/4 s are not p Redox d Matrix urface ue Below D: rk Surface Gleved Mat d Matirx	(Type: C=Concer % 100 100	Series DI tration, D=Deple Col 10YR):	rainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	Mottles % 40	Grains: Location: PL Type C 3SSES (LRR N, M. At 122, 136) In Soils (MLRA E.	Location M Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor	(e.g. clay, sar clay clay clay	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric S 1- Histosol 2 - Histosol 2 - Histosol 4 - Hydrogen S 5 - Stratified Le 11 - Depleted E 11 - Depleted E 11 - Thick Dark	: Jessup silt group): tion (Describe to the sound of the	loam 0-8% slopes e depth needed to document the indicators Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy C F3 - Depleted F6 - Redox D	Matrix Moist) 4/4 5/4 s are not particular and particul	(Typer C=Concern 9% 100 100	Series DI tration, D=Deple Col 10YR):	rainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	Mottles % 40	Grains: Location: PL Type C 3SSES (LRR N, M. At 122, 136) In Soils (MLRA E.	Location M Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor	(e.g. clay, sar clay clay clay	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric : 1- Histic Epipe 3 - Black Histic 4 - Hydrogen S	: Jessup silt group): tion (Describe to the second of the	loam 0-8% slopes e depth needed to document the indicators Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox L F7 - Depleter	Matrix Moist) 4/4 5/4 s are not predox by Matrix urface Jeved Mat d Matrix Jark Surface Jork Surface	(Typer C=Concern 96 100 100	Series DI tration, D=Deple Col 10YR):	rainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 40	Grains: Location: PL Type C 3SSES (LRR N, N A122, 136)	Location M Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sar clay clay clay	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric \$ 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen \$ 5 - Stratified Le 10 - 2 cm Mucl 11 - Depleted I 12 - Thick Dari 11 - Sandy Mucl 14 - Sandy Gley	: Jessup silt group): tion (Describe to the second of the	loam 0-8% slopes e depth needed to document the indicators Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy C F3 - Depleted F6 - Redox D	Matrix Moist) 4/4 5/4 s are not predox by Matrix urface Jeved Mat d Matrix Jark Surface Jork Surface	(Typer C=Concern 96 100 100	Series DI tration, D=Deple Col 10YR):	rainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 40 n-Manganese Mabric Surface (MLR ddmont Floodplaii d Parent Materia	Grains: Location: PL Type C 3SSES (LRR N, N A 122, 136)	Location M Indicators for A10 - 2cm M F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sar clay clay clay clay clay clay clay clay	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3	: Jessup silt group): tion (Describe to the second of the	loam 0-8% slopes e depth needed to document the indicators Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox L F7 - Depleter	Matrix Moist) 4/4 5/4 s are not predox by Matrix urface Jeved Mat d Matrix Jark Surface Jork Surface	(Typer C=Concern 96 100 100	Series DI tration, D=Deple Col 10YR):	rainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 40	Grains: Location: PL Type C 3SSES (LRR N, N A 122, 136)	Location M Indicators for A10 - 2cm M F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sar clay clay clay	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified L 10 - 2 cm Mucl 11 - Depleted I 12 - Thick Darl 11 - Sandy Mucl 4 - Sandy Gley Restrictive Layer (If Observed)	: Jessup silt group): tion (Describe to II Bottom Depth 3 14 Soil Field In Bottom Bottom Depth 3 4 4 4 4 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8	loam 0-8% slopes e depth needed to document the indicators Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox L F7 - Depleter	Matrix Moist) 4/4 5/4 s are not packous frace geleved Matrix urface ue Below Dark Surface d Dark Surfaced Dark Surfaced Dark Surfaced Depression:	(Typer C=Concern 96 100 100	Series DI tration, D=Deple Col 10YR):	rainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 40 n-Manganese Mabric Surface (MLR ddmont Floodplaii d Parent Materia	Grains: Location: PL Type C 3SSES (LRR N, N A 122, 136)	Location M Indicators for A10 - 2cm M F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sar clay clay clay clay clay clay clay clay	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3	: Jessup silt group): tion (Describe to II Bottom Depth 3 14 Soil Field In Bottom Bottom Depth 3 4 4 4 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8	loam 0-8% slopes e depth needed to document the indicators Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox L F7 - Depleter	Matrix Moist) 4/4 5/4 s are not packous frace geleved Matrix urface ue Below Dark Surface d Dark Surfaced Dark Surfaced Dark Surfaced Depression:	(Typer C=Concern 96 100 100	Series DI tration, D=Deple Col 10YR):	rainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 40 n-Manganese Mabric Surface (MLR ddmont Floodplaii d Parent Materia	Grains: Location: PL Type C 3SSES (LRR N, N A 122, 136)	Location M Indicators for A10 - 2cm M F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sar clay clay clay clay clay clay clay clay	nd, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 3 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified L 10 - 2 cm Mucl 11 - Depleted I 12 - Thick Darl 11 - Sandy Mucl 4 - Sandy Gley Restrictive Layer (If Observed)	: Jessup silt group): tion (Describe to II Bottom Depth 3 14 Soil Field In Bottom Bottom Depth 3 4 4 4 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8	loam 0-8% slopes e depth needed to document the indicators Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox L F7 - Depleter	Matrix Moist) 4/4 5/4 s are not packous frace geleved Matrix urface ue Below Dark Surface d Dark Surfaced Dark Surfaced Dark Surfaced Depression:	(Typer C=Concern 96 100 100	Series DI tration, D=Deple Col 10YR):	rainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 40 n-Manganese Mabric Surface (MLR ddmont Floodplaii d Parent Materia	Grains: Location: PL Type C 3SSES (LRR N, N A 122, 136)	Location M Indicators for A10 - 2cm M F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sar clay clay clay clay clay clay clay clay	nd, loam)



Project/Site:	Ware Road - Seaman 138 kV Transmission Line	e Project			Wetland ID: Wetland 1 Sample Point SP 3
VEGETATION	(Charles identified in all unpersons are non-notified	ive energies)			
	(Species identified in all uppercase are non-nation size: 30 ft radius)	ve species.)			
	Species Name	% Cover [Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)
3. 4.	 				Total Niverboard Descinant Consists Assess All Charles (D)
5.					Total Number of Dominant Species Across All Strata:2 (B)
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					(42)
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp 0
	Total Cove	er = 0			FACW spp. 10 $\times 2 = 20$
					FAC spp. 0
Sapling/Shrub Stra 1.	atum (Plot size: 15 ft radius)				FACU spp. 80
2.					UPL spp. 10 x 5 = 50
3.					Total 100 (A) 390 (B)
4.					(r)(r)
5.					Prevalence Index = B/A = .900
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes 🔲 🔲 No Rapid Test for Hydrophytic Vegetation
10.					Yes ☑ ☐ No Dominance Test is > 50%
	Total Cove	er = 0			Yes ☑ No Prevalence Index is ≤ 3.0 *
Horb Stratum (Pla	t size: 5 ft radius)				Yes □ ☑ No Morphological Adaptations (Explain) * Yes □ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Andropogon virginicus	50	Υ	FACU	res d la No Problem Hydrophytic Vegetation (Explain)
2.	Plantago lanceolata	10	N	UPL	* Indicators of hydric soil and wetland hydrology must be
3.	Carex vulpinoidea	10	N	FACW	present, unless disturbed or problematic.
4.	Poa pratensis	30	Υ	FACU	Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8. 9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.	 				tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cove	er = 100			
	(2)				
	um (Plot size: 30 ft radius)				
1. 2.					
3.					Hydrophytic Vegetation Present ☐ Yes ☑ No
4.					.,,
5.					
	Total Cove	er = 0			
Remarks:				_	
Additional Rer	narks:				



Project/Site:	Ware Road -	Seaman 138 kV Transr	nission Line P	roject		Stant	ec Project #:	193704860		Date:	12/12/16	
Applicant:	American E	Electric Power								County:	Adams	
Investigator #1:	Aaron Kwo	lek		Invest	igator #2:	Dan Sch	nenis			State:	Ohio	
Soil Unit:		ım, 1 to 6 percent slopes					Classification:	NI/A		Wetland ID:		
		im, i to 6 percent slopes	5				Ciassilication.	IN/A				
Landform:	Field				cal Relief:					Sample Point:		
Slope (%):	~0		38.96850		.ongitude:				NAD83	Community ID:	Upland	
Are climatic/hyd	rologic condi	itions on the site typic	cal for this til	me of yea	r? (If no, exp	olain in rema	irks)	✓ Yes □	No	Section:		
Are Vegetation [□ Soil □ o	r Hydrology 🗀 igni	ficantly distu	irbed?		Ar	e normal circu	mstances pre	sent?	Township:		
		r Hydrology □hatur		Range:	Dir:							
		i riyarology 🗀 latai	any problem	ialio:			E 103	□ No		range.	DII.	
SUMMARY OF I												
Hydrophytic Veg				☐ Yes	☑ No			Hydric Soils I			☐ Yes ☑	No
Wetland Hydrold	ogy Present?)		☐ Yes	☑ No			Is This Samp	ling Point W	ithin A Wetla	and? 🔲 Yes 🗹	No
Remarks:												
111/55501.001/												
HYDROLOGY												
Wetland Hydro	ology Indica	tors (Check here if i	ndicators are	e not pres	ent):	y			Secondary:			
Primary		toro (orroom room r	naioatoro art	o not proc).					B6 - Surface So	nil Cracks	
		Water			B9 - Wate	er-Stained	Leaves		_		egetated Concave Surface	
	A2 - High Wa				B13 - Aqu					B10 - Drainage		
	A3 - Saturation				B14 - True					B16 - Moss Trir		
	B1 - Water M				C1 - Hydr					C2 - Dry Seaso		
	B2 - Sedimer						spheres on Livin	a Roots		C8 - Crayfish B		
	B3 - Drift Der						educed Iron	9 110010			Visible on Aerial Imagery	
	B4 - Algal Ma						eduction in Tilled	Soils			Stressed Plants	
	B5 - Iron Dep				C7 - Thin			Collo		D2 - Geomorph		
		on Visible on Aerial Imag	nerv		Other (Ex					D3 - Shallow Ad		
	<i>-</i>	on violoto on rional ima	., .,	_	0 ti 101 (2x	piani ni ric	mamo)			D4 - Microtopog		
										D5 - FAC-Neutr	ral Test	
Field Observati												
		_										
Surface Water F	Present?	Yes No	Depth:		(in.)			Wetland Hyd	drology Pre	sent?	Yes ☑ No	
Water Table Pre	esent?	☐ Yes ☑ No	Depth:		(in.)			Wetland Hy	arology i ie	Sent:	163 🖾 110	
Saturation Prese	ent?	☐ Yes ☑ No	Depth:		(in.)							
					. ,							
Describe Recorde	ed Data (stre	am gauge, monitoring	ı well, aerial p	ohotos, pre	evious insp	ections),	if available:		N/A			
Damanlan												
Remarks:						,,,						
Remarks:						,						
SOILS												
SOILS Map Unit Name:		oam, 1 to 6 percent s	slopes		Ş	Series Dr	rainage Class:	moderately w	vell drained			
SOILS		oam, 1 to 6 percent s	slopes		Ç	Series Dr		moderately w	vell drained			
SOILS Map Unit Name: Taxonomy (Sub	group):			nce of indicators.)			ainage Class:	-		₽Pore Lining, M≡Matrix)		
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip	group): tion (Describe to th	oam, 1 to 6 percent seeded to document the indicate					ainage Class:	CS=Covered/Coated Sand		-Pore Lining, M=Matrix)	Teyture	
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top	group): tion (Describe to the Bottom	e depth needed to document the indica	tor or confirm the abser	Matrix	(Type: C=Concent	tration, D=Deplet	rainage Class:	CS=Covered/Coated Sand Mottles	Grains; Location: PL=		Texture	nom)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the indica	tor or confirm the abser	Matrix Moist)	(Type: C=Concen	tration, D=Deplet	ainage Class:	CS=Covered/Coated Sand Mottles %		-Pore Lining, M=Matrix) Location	(e.g. clay, sand, lo	pam)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top	group): tion (Describe to the Bottom	e depth needed to document the indica	tor or confirm the abser	Matrix	(Type: C=Concent	tration, D=Deplet	rainage Class:	CS=Covered/Coated Sand Mottles	Grains; Location: PL=			oam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the indica	tor or confirm the abser	Matrix Moist)	(Type: C=Concen	tration, D=Deplet	rainage Class: tion, RM=Reduced Matrix, or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location	(e.g. clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to th Bottom Depth 16	e depth needed to document the indica Horizon	Color (Matrix Moist) 5/6	(Type: C=Concent	tration, D=Deplet	rainage Class: tion, RM=Reduced Matrix, (or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 16	e depth needed to document the indica Horizon	Color (Matrix Moist) 5/6 	(Type: C=Conceri	Col	rainage Class: tion, RM=Reduced Matrix, 0 or (Moist)	S=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to th Bottom Depth 16	e depth needed to document the indica Horizon	Color (Matrix Moist) 5/6	% 100	tration, D=Deplet	rainage Class: or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 16	e depth needed to document the indica Horizon	Color (Matrix Moist) 5/6 	(Type: C=Conceri	Col	rainage Class: tion, RM=Reduced Matrix, 0 or (Moist)	S=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, lo	pam)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 16	e depth needed to document the indica Horizon	Color (Matrix Moist) 5/6	% 100	tration, D=Deplet	rainage Class: or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 16	e depth needed to document the indica Horizon	Color (Matrix Moist) 5/6	(Type: C=Concent	cration, D=Deplet	rainage Class: or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL-	Location	(e.g. clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon	Color (Matrix Moist) 5/6	(Type: C=Concent	tration, D=Deplet	rainage Class: or (Moist)	CS=Covered/Coated Sand Mottles %	Type	Location	(e.g. clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon	Color (10YR	Matrix Moist) 5/6	(Type: C=Concent	Col	rainage Class: or (Moist)	CS=Covered/Coated Sand Mottles %	Type	Location	(e.g. clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon	Color (10YR	Matrix Moist) 5/6	(Type: C=Concent	tration, D=Deplet	rainage Class: or (Moist)	CS=Covered/Coated Sand Mottles %	Type	Location	(e.g. clay, sand, lo	pam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon	Color (10YR	Matrix Moist) 5/6 s are not p	(Type: C=Concent	Col	rainage Class: ion, RM=Reduced Matrix, of or (Moist)	CS=Covered/Coated Sand Mottles %	Grains: Location: PL-	Location Indicators fo	(e.g. clay, sand, lo	pam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 NRCS Hydric S	group): tion (Describe to the Depth	Horizon	Color (10YR a if indicators	Matrix Moist) 5/6 s are not predox	(Type: C=Concent	Col	rainage Class: or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL- Type	Location Indicators fo	(e.g. clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0 NRCS Hydric S	group): tion (Describe to the Depth	Horizon	Color (10YR	Matrix Moist) 5/6 s are not predox d Matrix	(Type: C=Concent	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F	(e.g. clay, sand, le	oam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 NRCS Hydric S 1- Histosol 12 - Histic Epipe	group): tion (Describe to the Depth 16	Horizon	Color (10YR	Matrix Moist) 5/6 s are not p Redox d Matrix urface	(Type: C=Concern %	Col	rainage Class: or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	(e.g. clay, sand, le	oam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 NRCS Hydric S 11- Histosol 2 - Histic Epipe 3 - Black Histic	group): tion (Describe to the Depth	Horizon	Color (10YR if indicators S5 - Sandy F S6 - Stripped S7 - Dark Su	Matrix Moist) 5/6 s are not predox	(Type: C=Concern % 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very	(e.g. clay, sand, le	pam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histo Epipe 3 - Black Histic 4 - Hydrogen S	group): tion (Describe to the Depth	Horizon	Color (10YR	Matrix Moist) 5/6 s are not process of Matrix Inface Just Matrix Inface Just Matrix Just M	(Type: C=Concern 9% 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very	(e.g. clay, sand, le	oam)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon dicators (check here	Color (10YR if indicators \$5 - Sandy F \$6 - Strippec \$5 - Polyvalu \$9 - Thin Da	Matrix Moist) 5/6 s are not peedox d Matrix urface ue Below Do rk Surface Gleyed Mat	(Type: C=Concern 9% 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very	(e.g. clay, sand, le	pam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon dicators (check here	Color (10YR	Matrix Moist) 5/6 s are not p Redox d Matrix urface ue Below Di rrk Surface Gleved Mat d Matirx	(Type: C=Concern % 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very	(e.g. clay, sand, le	pam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon dicators (check here	Color (10YR	Matrix Moist) 5/6 s are not packod Matrix urface ue Below Dark Surface Glelyed Mat d Matrix Dark Surface Surface Surface	(Type: C=Concern % 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very	(e.g. clay, sand, le	pam)
SOILS Map Unit Name: Taxonomy (Subremain Subremain Subr	group): tion (Describe to the Depth	Horizon dicators (check here	Color (10YR	Matrix Moist) 5/6 s are not packox d Matrix rface gleved Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern % 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, le	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon dicators (check here	Color (10YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 5/6 s are not page and Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern % 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, let clay	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon dicators (check here	Color (10YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 5/6 s are not packox d Matrix rface gleved Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern % 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, le clay	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon dicators (check here	Color (10YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 5/6 s are not page and Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern % 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, let clay	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon dicators (check here	Color (10YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 5/6 s are not page and Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern % 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, let clay	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon dicators (check here	Color (10YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 5/6 s are not page and Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern 9% 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, let clay	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon dicators (check here	Color (10YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 5/6 s are not page and Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern 9% 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, let clay	



Project/Site:	Ware Road - Seaman 138 kV Transmis	sion Line Project			Wetland ID: N/A Sample Point SP 4
VEGETATION	(Species identified in all uppercase are r	on-native species	s.)		
Tree Stratum (Plo	t size: 30 ft radius)				
	Species Name	<u>% C</u>	over Dominant	Ind.Status	Dominance Test Worksheet
1.		-			
2.		-			Number of Dominant Species that are OBL, FACW, or FAC:0 (A)
3.		-			
4.		-			Total Number of Dominant Species Across All Strata: 2 (B)
5.		-			··
6.		-			Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.		_			``,
8.		_			Prevalence Index Worksheet
9.		-			Total % Cover of: Multiply by:
10.		-			OBL spp. 0
	Tota	I Cover = ()		FACW spp. 0 x 2 = 0
					FAC spp. 0 x 3 = 0
Sapling/Shrub Stra	atum (Plot size: 15 ft radius)				FACU spp. 63
1.	Juniperus virginiana		B N	FACU	UPL spp. 5 X 5 = 25
2.					
3.		_			Total 68 (A) 277 (B)
4.		_			(5)
5.					Prevalence Index = B/A =
6.					Trevalence index = D/A =
7.					
8.					Hydrophytic Vegetation Indicators:
9.					
10.					Yes □ ☑ No Rapid Test for Hydrophytic Vegetation Yes □ ☑ No Dominance Test is > 50%
10.			3		· · · · · · · · · · · · · · · · · · ·
	Tota	I Cover =)		
	() () () () () () ()				Yes Vo Morphological Adaptations (Explain) *
	t size: 5 ft radius)	2	5 Y	FACU	Yes □ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Carya glabra				* Indicators of hydric soil and wetland hydrology must be
2. 3.	Schedonorus arundinaceus	1		FACU	present, unless disturbed or problematic.
	Andropogon virginicus	2		FACU	Definitions of Newstotion Oteston
4.	Plantago lanceolata		5 N	UPL	Definitions of Vegetation Strata:
5.	Trifolium repens		2 N	FACU	T
6	Achillea millefolium		l N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.	Juniperus virginiana		l N	FACU	noight (BBH), regardless of height.
8.	Taraxacum officinale		l N	FACU	Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
9.					tall.
10.		-			
11.					All hards are served as a serv
12.		-			Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.		-			,
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Tota	I Cover = 6	5		
Woody Vine Stratu	um (Plot size: 30 ft radius)				
1.		-			
2.		-			
3.		-			Hydrophytic Vegetation Present ☐ Yes ☑ No
4.					
5.					
	Tota	l Cover = ()		
Remarks:					
1					
Additional Ren	narks:				



Project/Site:	Ware Road-S	Seaman 138 kV Tra	ansmission Line Pro	ject		Stant	ec Project #:	193704860		Date:	12/12/16	
Applicant:	American E	Electric Power								County:	Adams	
Investigator #1:				Invest	igator #2:	Dan Scl	nepis			State:	Ohio	
Soil Unit:			0 to 3 percent slope				Classification:	NI/Δ		Wetland ID:		
		in Siny Clay Ioani, t	o to a percent slope				Ciassification.	11/71				
Landform:	Field				cal Relief:					Sample Point:		
Slope (%):	~0		tude: 38.97011		.ongitude:			Datum:		Community ID:	: Upland	
Are climatic/hydi					Ir? (If no, exp	lain in rema	rks)	☑ Yes □	No	Section:		
Are Vegetation [J. Soil □c	r Hydrology 🚨	significantly distu	rbed?		Ar	e normal circu	mstances pres	sent?	Township:		
Are Vegetation [Yes	□ No		Range:	Dir:	
SUMMARY OF F		i i i y di ology —	latarany problem	Guio i						r tarigo:	5	
		10		- V								
Hydrophytic Veg				☐ Yes				Hydric Soils F			☐ Yes ☑	No
Wetland Hydrolo	gy Present?)		☐ Yes	☑ No			Is This Samp	ling Point V	Vithin A Wetla	and? 🔲 Yes 🔟	No
Remarks:												
HADDOLOGA												
HYDROLOGY												
Wetland Hydro	logy Indica	tors (Check her	e if indicators are	e not pres	ent):	7			Secondary:			
Primary:					,-					B6 - Surface So	oil Cracks	
	A1 - Surface	Water			B9 - Wate	r-Stained	Leaves				egetated Concave Surface	1
	A2 - High Wa				B13 - Aqu					B10 - Drainage		
	A3 - Saturation				B14 - Tru					B16 - Moss Tri		
	B1 - Water N				C1 - Hydr					C2 - Dry Seaso		
	B2 - Sedimei						spheres on Livin	a Roots		C8 - Crayfish B		
	B3 - Drift De						educed Iron	9			Visible on Aerial Imager	v
	B4 - Algal Ma						duction in Tilled	Soils			Stressed Plants	,
	B5 - Iron Der				C7 - Thin					D2 - Geomorph		
		on Visible on Aerial	Ilmagery		Other (Ex					D3 - Shallow A		
					· · · · · · · · · · · · · · · · · · ·		,			D4 - Microtopo		
										D5 - FAC-Neut		
Field Observati												
Field Observati												
Surface Water F	resent?	☐ Yes ☑ No	Depth:		(in.)			Wetland Hyd	Irology Pre	sent?	Yes 🗹 No	
Water Table Pre	sent?	☐ Yes 🗹 No	Depth:		(in.)			Wettana Trye	nology i ic		103 110	
Saturation Prese	ent?	☐ Yes ☑ No	Depth:		(in.)							
					. ,							
Describe Recorde	ed Data (stre	am gauge, monit	oring well, aerial p	photos, pre	evious insp	ections),	if available:		N/A			
Remarks:												
SOILS												
Map Unit Name:		riant silty clay lo	am, 0 to 3 percer	nt slopes,	rarely flot	Seeie s Dr	ainage Class:	moderately w	ell drained			
Taxonomy (Sub												
Profile Descript	tion (Describe to th	e depth needed to document th	ne indicator or confirm the abser	ce of indicators.)	(Type: C=Concen	tration, D=Deple	tion, RM=Reduced Matrix,	CS=Covered/Coated Sand	Grains; Location: PL	=Pore Lining, M=Matrix)		
Тор	Bottom			Matrix				Mottles			Texture	
	I	Horizon	Color (%	Cal	or (Moiot)	1	Time	Location	(e.g. clay, sand	
Depth	Depth	Horizon	Color (+		or (Moist)	%	Туре	Location	+	
0	16		10YR	3/2	98	5YR	3/4	2	С	M	clay loar	n
		-										
					<u> </u>							
	1		-	-	+						+	
				-								
NDOO!! !: 6	=		1 '6' 1' 4	<u> </u>	<u> </u>	\ =					5	
. —	Soil Field in	dicators (check	here if indicators		oresent): 🗹			_		or Problematic Soils 1	
1- Histosol			S5 - Sandy F					n-Manganese Ma		_	Muck (MLRA 147)	
2 - Histic Epipe			S6 - Stripped					nbric Surface (MLR			Prairie Redox (MLRA 147, 148)	
3 - Black Histic			S7 - Dark Su					dmont Floodplair			nt Floodplain Soils (MLRA 136, 1	47)
4 - Hydrogen S			S8 - Polyvalu								Shallow Dark Surface	
5 - Stratified La			S9 - Thin Da	rk Surface	(MLRA 147, 148)		☐ F21 - Red	d Parent Materia	MLRA 127, 147)	J Other (Explanation)	ain in Remarks)	
10 - 2 cm Muck			F2 - Loamy (rix							
11 - Depleted E	Below Dark Su	rface	F3 - Deplete	d Matirx								
12 - Thick Dark			F6 - Redox D									
1 - Sandy Muck		MLRA 147, 148)	F7 - Deplete									
4 - Sandy Gley	ed Matrix		F8 - Redox [Depressions	3			1 Indicat	tors of hydrophytic v	egetation and wetland h	ydrology must be present, unless dis	urbed or problematic
Restrictive Layer	Type:			Depth:				Hydric Soil F	Present?	Г	Yes ☑ No	
(If Observed)	i ype.			Dopui.				Tryunic Golf F	resent:	_	103 - 110	
Remarks:												
l												



Project/Site:	Ware Road-Seaman 138 kV Transmission	Line Project			Wetland ID: N/A Sample Point SP 5
VEGETATION	(Species identified in all uppercase are non	-native species.)			
Tree Stratum (Plo	·				
	<u>Species Name</u>	% Cover		Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)
3.					
4.					Total Number of Dominant Species Across All Strata: (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. <u>25</u>
	Total C	over = 0			FACW spp. 0
					FAC spp. $0 x 3 = 0$
	tum (Plot size: 15 ft radius)				FACU spp. 62
1.					UPL spp. <u>27</u>
2.					
3.					Total 114 (A) 408 (B)
4.					
5.					Prevalence Index = B/A =
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes ☐ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes ☐ ☑ No Dominance Test is > 50%
	Total C	over = 0			Yes □ ☑ No Prevalence Index is ≤ 3.0 *
					Yes ☐ ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Plot	size: 5 ft radius)				Yes □ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Alopecurus aequalis	25	Υ	OBL	
2.	Setaria faberi	25	Υ	UPL	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Schedonorus arundinaceus	40	Υ	FACU	present, unless distribed of problematic.
4.	Phleum pratense	15	N	FACU	Definitions of Vegetation Strata:
5.	Solanum carolinense	5	N	FACU	
6	Lamium purpureum	2	N	UPL	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Taraxacum officinale	2	N	FACU	height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total C	over = 114			
	Total				
Woody Vine Stratu	m (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present □ Yes ☑ No
4.					Tryanophysio rogotation ricoont 11700 12 110
5.					
J.	Total C				
Remarks:	Total C	Over - 0			
itemants.					
A 1 11/2					
Additional Ren	narks:				



Are Vegetation [American Bruce Jone Jessup silt lo Floodplain rologic cond , Soil	Latitur itions on the site ty or Hydrology Sor Hydrology Cha or Hydrology Cha sent?	de: 38.95467 pical for this tir prificantly distu	Invest Loc L me of yearbed?	cal Relief: ongitude: r? (If no, exp	Kate Bo WI/WWI Concav -83.469 Dalain in rema	Classification: e 890 ^{rks)}	Datum: ☑ Yes □ Imstances pres	No sent? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range:	SP 6 : UPLAND Dir:
Primary:	A1 - Surface A2 - High Wa A3 - Saturati B1 - Water N B2 - Sedime B3 - Drift De B4 - Algal Ma B5 - Iron Dep B7 - Inundati	ater Table on /larks nt Deposits posits at or Crust		e not pres	B9 - Wate B13 - Aqu B14 - Tru C1 - Hydr C3 - Oxid C4 - Pres	e Aquatic logen Sulficiated Rhizo ence of Rent Iron Rent Muck Surf	a Plants de Odor spheres on Livin educed Iron duction in Tilled ace	•		B10 - Drainage B16 - Moss Trii C2 - Dry Seaso C8 - Crayfish B C9 - Saturation	egetated Concave Surface Patterns m Lines on Water Table surrows I Visible on Aerial Imagery Stressed Plants nic Position quitard graphic Relief
Field Observati Surface Water F Water Table Pre Saturation Prese Describe Recorde Remarks:	Present? esent? ent?	Yes V No Yes No Yes No Yes No	Depth: Depth: Depth: ing well, aerial p		(in.) (in.) (in.) evious insp	pections),	if available:	Wetland Hyd	Irology Pre	esent?]Yes ☑ No
SOILS Map Unit Name:		loam 0-8% slopes			Ç	Series Dr	ainage Class:	moderately w	ell drained		
Taxonomy (Sub											
		ne depth needed to document the in	dicator or confirm the absen		(Type: C=Concen	tration, D=Deple	tion, RM=Reduced Matrix,		Grains; Location: PL	=Pore Lining, M=Matrix)	_
Тор	Bottom			Matrix				Mottles			Texture
Depth	Depth	Horizon	Color (I		%		or (Moist)	%	Type	Location	(e.g. clay, sand, loam)
0	3	1	10YR	4/4	100						clay
3	14	2	10YR	5/4	100	10YR	6/8	40	С	M	clay
-											
NRCS Hydric S 1- Histosol 2- Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark 1 - Sandy Muck 4 - Sandy Gleye	don ulfide yers ((LRR N) Below Dark Su Surface (Mineral (LRR N			Redox I Matrix Irface Ive Below Dark Surface Gleyed Mat Id Matirx Dark Surfac Id Dark Surfac	ark Surface (MLRA 147, 148) rix e ace		☐ F13 - Um ☐ F19 - Pie	n-Manganese Ma hbric Surface (MLR dmont Floodplain d Parent Materia	A 122, 136) E 1 SOIIS (MLRA (L E I (MLRA 127, 147)	Indicators for A10 - 2cm M A16 - Coast f F19 - Piedmor TF12 - Very Other (Expla	or Problematic Soils 1 Muck (MLRA 147) Prairie Redox (MLRA 147, 148) It Floodplain Soils (MLRA 136, 147) Shallow Dark Surface ain in Remarks)
Restrictive Layer (If Observed)	Туре:			Depth:				Hydric Soil F			Yes No
Remarks:											



Project/Site:	Ware Road - Seaman 138 kV Transmission Line Pr	oject			Wetland ID: N/A Sample Point SP 6
VEGETATION	(Species identified in all uppercase are non-native s	pecies.)			
Tree Stratum (Plo	t size: 30 ft radius)	% Cover	Dominant	Ind Ctatus	Dominance Test Worksheet
1.	Species Name	% Cover	Dominant 	Ind.Status	Dominance rest worksneet
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)
3.					('y
4.					Total Number of Dominant Species Across All Strata: 2 (B)
5.					· — · · · · · · · · · · · · · · · · · ·
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0
	Total Cover =	0			FACW spp. 5 x 2 = 10
					FAC spp. 60 X 3 = 180
	tum (Plot size: 15 ft radius)				FACU spp. 30 X 4 = 120
1.					UPL spp 5
2. 3.					Total 100 (A) 205 (D)
3. 4.					Total 100 (A) 335 (B)
4. 5.					Provolonce Index – P/A –
6.					Prevalence Index = B/A =
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes □ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes □ ☑ No Dominance Test is > 50%
	Total Cover =	0			Yes □ ☑ No Prevalence Index is ≤ 3.0 *
					Yes □ ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Plot	size: 5 ft radius)				Yes □ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Dichanthelium dichotomum	60	Υ	FAC	
2.	Plantago lanceolata	5	N	UPL	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Carex vulpinoidea	5	N	FACW	
4.	Poa pratensis	30	Υ	FACU	Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
9.					tall.
10. 11.	_ 				
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.	- 				
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	100			,
	. 514. 30701 –				
Woody Vine Stratu	ım (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☐ Yes ☑ No
4.					
5.					
	Total Cover =	0			
Remarks:					
Additional Ren	narks:				



Project/Site:	Ware Road -	Seaman 138 kV Tran	smission Line Pr	oject		Stant	ec Project #:	193704860		Date:	12/12/16	
Applicant:	American E	lectric Power								County:	Adams	
Investigator #1:	Bruce Jone	·S		Invest	igator #2:	Kate Bo	mar			State:	Ohio	
Soil Unit:		clay loam 20-40 per	cent slones				Classification:	N/A		Wetland ID:	Wetland 2	
Landform:	Depression		oon doped	Loc	al Relief:			14//		Sample Point:		
Slope (%):	5		de: 38.98894		ongitude:			Datum:	NVD03	Community ID:		
		tions on the site ty									. FEIVI	
					「!(If no, exp				No	Section:		
		r Hydrology ☐sig				Ar		mstances pre	sent?	Township:		
		r Hydrology □hat	turally problem	natic?			☑ Yes	. □ No		Range:	Dir:	
SUMMARY OF F	FINDINGS											
Hydrophytic Veg	etation Pres	ent?		✓ Yes	□ No			Hydric Soils I	Present?		☑ Yes □	No
Wetland Hydrolo	gy Present?			☑ Yes	□ No			Is This Samp	ling Point V	Vithin A Wetla	and? <a>Ves	No
Remarks:		ression at base st	eep slope with	levee ser	parating it	from adi	acent stream	•				
LIVERGLOOV												
HYDROLOGY												
Wetland Hydro	logy Indica	tors (Check here i	f indicators are	e not pres	ent):				Secondary:			
Primary:		•								B6 - Surface So	oil Cracks	
	A1 - Surface				B9 - Wate						egetated Concave Surface	9
✓	A2 - High Wa				B13 - Aqu					B10 - Drainage		
	A3 - Saturation				B14 - True					B16 - Moss Tri		
	B1 - Water M				C1 - Hydr					C2 - Dry Seaso		
	B2 - Sedimer						spheres on Livin	ig Roots		C8 - Crayfish B		
	B3 - Drift Dep B4 - Algal Ma						educed Iron eduction in Tilled	Soile			Visible on Aerial Imager Stressed Plants	У
	B5 - Iron Dep				Co - Rece			SOIIS		D2 - Geomorph		
		on Visible on Aerial Im	nagery	ä	Other (Ex					D3 - Shallow A		
	Di - manaan	on visible on Achai in	lagery		Other (EX	piairi iir ixc	marks)			D4 - Microtopo		
										D5 - FAC-Neut		
Field Observed												
Field Observati												
Surface Water P		Yes No	Depth:		(in.)			Wetland Hyd	Irology Pre	esent?	I Yes □ No	
Water Table Pre		Yes No	Depth:	6	(in.)			•	3,			
Saturation Prese	ent?	Yes No	Depth:	surface	(in.)							
Describe Recorde	ed Data (stre	am gauge, monitori	ng well aerial r	photos pre	wioue incr				11/1			
Doddingo i toddiad	oa Data (otto					nections i	if available:		N/A			
Domorko:			3 - , 1	oriotoo, pre	vious irisp	ections),	if available:		N/A			
Remarks:			<u> </u>	7110100, p10	vious irisp	ections),	if available:		N/A			
			3 - 7 1	motoo, pre	vious irisp	ections),	if available:		N/A			
SOILS					·							
SOILS	Opequon s	ilty clay loam 20-4			·			moderately w				
SOILS		ilty clay loam 20-4			·			moderately w				
SOILS Map Unit Name: Taxonomy (Subo	group):	ilty clay loam 20-4	0 percent slope	es		Series Dr	ainage Class:		vell drained	=Pore Lining, M=Matrix)		
SOILS Map Unit Name: Taxonomy (Subo	group): tion (Describe to th		0 percent slope	es		Series Dr	ainage Class:	CS=Covered/Coated Sand	vell drained	=Pore Lining, M=Matrix)	Texture	
SOILS Map Unit Name: Taxonomy (Subg	group): tion (Describe to the	e depth needed to document the in	O percent slope	es nce of indicators.) Matrix	(Type: C=Concen	Series Dr	rainage Class:	CS=Covered/Coated Sand Mottles	vell drained Grains; Location: PL			
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the in	O percent slope dicator or confirm the abser	es nce of indicators.) Matrix Moist)	(Type: C=Concerv	Series Dr	rainage Class:	CS=Covered/Coated Sand Mottles %	vell drained Grains; Location: PL Type	Location	(e.g. clay, sand	l, loam)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): tion (Describe to the Bottom Depth 14	e depth needed to document the in-	O percent slope dicator or confirm the abser Color (10YR	es Matrix Moist) 3/3	(Type: C=Concen	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix. or (Moist) 6/6	CS=Covered/Coated Sand Mottles % 30	vell drained Grains; Location: PL Type C	Location PL	(e.g. clay, sand	l, loam) n
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): tion (Describe to the Bottom Depth 14	e depth needed to document the in Horizon 1	O percent slope dicator or confirm the abser Color (Matrix Moist) 3/3	(Type: C=Concent	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix. or (Moist) 6/6	CS=Covered/Coated Sand Mottles % 30	rell drained Grains; Location: PL Type C	Location PL 	(e.g. clay, sand clay loan silty clay lo	I, loam) n am
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): tion (Describe to the Bottom Depth 14	e depth needed to document the in-	O percent slope dicator or confirm the abser Color (10YR	es Matrix Moist) 3/3	(Type: C=Concen	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix. or (Moist) 6/6	CS=Covered/Coated Sand Mottles % 30	vell drained Grains; Location: PL Type C	Location PL	(e.g. clay, sand	I, loam) n am
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): tion (Describe to the Bottom Depth 14	e depth needed to document the in Horizon 1	O percent slope dicator or confirm the abser Color (Matrix Moist) 3/3	(Type: C=Concent	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix. or (Moist) 6/6	CS=Covered/Coated Sand Mottles % 30	rell drained Grains; Location: PL Type C	Location PL 	(e.g. clay, sand clay loan silty clay lo	I, loam) n am
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): tion (Describe to the Bottom Depth 14	e depth needed to document the in Horizon 1	O percent slope Color (10YR	Matrix Moist) 3/3	(Type: C=Conceri	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix. or (Moist) 6/6	CS=Covered/Coated Sand Mottles % 30	rell drained Grains: Location: PL Type C	Location PL 	(e.g. clay, sand clay loar silty clay lo silty clay	I, loam) n am
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	Bottom Depth 14	e depth needed to document the in Horizon 1	O percent slope Color (10YR	es Matrix Moist) 3/3	(Type: C=Concent	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6	CS=Covered/Coated Sand Mottles % 30	rell drained Grains: Location: PL Type C	Location PL 	(e.g. clay, sand clay loar silty clay lo silty clay	I, loam) n am
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): tion (Describe to the Bottom Depth 14	Horizon 1	O percent slope Color (10YR	es Matrix Moist) 3/3	(Type: C=Concern	Series Dr tration, D=Deplet Col 10YR	rainage Class: or (Moist) 6/6	CS=Covered/Coated Sand Mottles % 30	rell drained Grains; Location: PL Type C	Location PL	(e.g. clay, sand clay loar silty clay lo silty clay lo	I, loam) n am
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): tion (Describe to the Bottom Depth 14	Horizon 1	O percent slope Color (10YR	es Matrix Moist) 3/3	(Type: C=Concern	Series Dr tration, D=Deplet Col 10YR	rainage Class: or (Moist) 6/6	CS=Covered/Coated Sand Mottles % 30	rell drained Grains; Location: PL Type C	Location PL	(e.g. clay, sand clay loar silty clay loar silty clay lo	I, loam) n am
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): tion (Describe to the Depth 14	Horizon 1	Color (10YR	es see of indicators.) Matrix Moist) 3/3	(Type: C=Concen	Series Dr tration, D=Deplet Col 10YR	rainage Class: or (Moist) 6/6	CS=Covered/Coated Sand Mottles % 30	rell drained Grains; Location: PL Type C	Location PL	(e.g. clay, sand	I, loam) n am
SOILS Map Unit Name: Taxonomy (Subgen Frofile Description Control of the Control	group): tion (Describe to the Depth 14	Horizon 1	Color (10YR	Matrix Moist) 3/3 s are not p	(Type: C=Concen	Series Dr tration, D=Deplet Col 10YR	rainage Class: ion, RM=Reduced Matrix, or (Moist) 6/6	CS=Covered/Coated Sand Mottles % 30	rell drained Grains; Location: PL Type C	Location PL Indicators for	(e.g. clay, sand clay loar silty clay loar silty clay loar	I, loam) n am
SOILS Map Unit Name: Taxonomy (Substitution of the Description of the	group): tion (Describe to the Depth	Horizon 1	Color (10YR	Matrix Moist) 3/3 s are not p. Redox	(Type: C=Concen	Series Dr tration, D=Deplet Col 10YR	or (Moist) 6/6 -	CS=Covered/Coated Sand Mottles % 30	vell drained Grains; Location: PL Type C	Location PL Indicators fc A10 - 2cm M	(e.g. clay, sand clay loar silty clay loar silty clay loar silty clay loar	I, loam) n am
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe	group): tion (Describe to the Depth	Horizon 1	Color (10YR	Matrix Moist) 3/3 s are not peeds d Matrix	(Type: C=Concen	Series Dr tration, D=Deplet Col 10YR	rainage Class: or (Moist) 6/6 -	Mottles % 30	rell drained Grains: Location: PL Type C	Location PL Indicators fc A10 - 2cm M A16 - Coast F	(e.g. clay, sand clay loar silty clay loar sil	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic	Bottom Depth 14 Soil Field Incode	Horizon 1	Color (10YR See if indicators S5 - Sandys S6 - Stripped S7 - Dark Su	Matrix Moist) 3/3 s are not p Redox d Matrix Minde	(Type: C=Concern % 100	Series Dr tration, D=Deplet Col 10YR	rainage Class: or (Moist) 6/6 -	CS=Covered/Coated Sand Mottles % 30	rell drained Type C	Location PL Indicators for A10 - 2 cm M A16 - Coast F	(e.g. clay, sand clay loar silty clay loar silty clay lo silty clay lo silty clay lo silty clay lo silty clay loar silty clay	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subgen Frofile Description of the Control of the	group): tion (Describe to the Depth 14 Soil Field Income don utifide	Horizon 1	Color (10YR	Matrix Moist) 3/3 -	(Type: C=Concen % 100	Series Dr Col 10YR): (MLRA 147, 1-	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6 F12 - Iroi F13 - Urr F19 - Pie	Mottles % 30	rell drained Grains; Location: PL Type C	Location PL Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor TF12 - Very	(e.g. clay, sand clay loar silty clay loar silty clay loa silty clay loar	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La	group): tion (Describe to the Depth	Horizon 1	Color (10YR	Matrix Moist) 3/3 s are not p Redox Matrix Moist) 3/3 s Below Dirk Surface	(Type: C=Concern % 100	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6 F12 - Iroi F13 - Urr F19 - Pie	Mottles % 30	rell drained Grains; Location: PL Type C	Location PL Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor TF12 - Very	(e.g. clay, sand clay loar silty clay loar silty clay lo silty clay lo silty clay lo silty clay lo silty clay loar silty clay	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck	group): tion (Describe to the Depth	Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 3/3 s are not peedox difference are Below Dark Surface	(Type: C=Concern % 100	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6 F12 - Iroi F13 - Urr F19 - Pie	Mottles % 30	rell drained Grains; Location: PL Type C	Location PL Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor TF12 - Very	(e.g. clay, sand clay loar silty clay loar silty clay loa silty clay loar	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S 1- Histicsol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck 11 - Depleted B	Bottom Depth 14 Soil Field Income Selow Dark Suited Sui	Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 3/3 s are not peedox di Matrix Inface Le Below Di Rich Surface Gleved Mat di Matrix Moist) Matrix Moist) 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/	(Type: C=Concern % 100	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6 F12 - Iroi F13 - Urr F19 - Pie	Mottles % 30	rell drained Grains; Location: PL Type C	Location PL Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor TF12 - Very	(e.g. clay, sand clay loar silty clay loar silty clay loa silty clay loar	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck	group): tion (Describe to the Depth 14	Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 3/3 s are not peed Matrix d Matrix frace lee Below Dark Surface Grifface Addition Clark Surface Dark Surface Dark Surface	(Type: C=Concen % 100	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6 F12 - Iroi F13 - Urr F19 - Pie	Mottles % 30	rell drained Grains; Location: PL Type C	Location PL Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor TF12 - Very	(e.g. clay, sand clay loar silty clay loar silty clay loa silty clay loar	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck 11 - Depleted E 11 - Thick Dark	group): tion (Describe to the Depth	Horizon 1 dicators (check he	Color (10YR if indicators S5 - Sandy F S6 - Stripy F S7 - Dark Su S8 - Polyvalu S9 - Thian Da F2 - Loamy F6 - Redox E F6 - Redox E	Matrix Moist) 3/3 s are not p Redox I Matrix Mrix Below Di Redox I Matrix Mrix Moist)	(Type: C=Concern % 100	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6 F12 - Iroi F13 - Urr F19 - Pie	Mottles % 30	rell drained Type C	Location PL Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sand clay loar silty clay loar silty clay loa silty clay loar	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck 11 - Depleted B 12 - Thick Dark 1 - Sandy Muck	group): tion (Describe to the Depth 14	Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 3/3 s are not park Surface Below Dark Surface d Matrix Dark Surface d Dark Surface Depressions	(Type: C=Concern % 100	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6 F12 - Iroi F13 - Urr F19 - Pie	Mottles % 30	Vell drained Type C	Location PL Indicators fo A10 - 2cm M F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sand clay loar silty clay loar silty clay loa silty clay loar silt	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark 1 - Sandy Muck 4 - Sandy Gleye	group): tion (Describe to the Depth	Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 3/3 s are not p Redox I Matrix Mrix Below Di Redox I Matrix Mrix Moist)	(Type: C=Concern % 100	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6 F12 - Iroi F13 - Urr F19 - Pie	Mottles % 30	Vell drained Type C	Location PL Indicators fo A10 - 2cm M F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sand clay loar silty clay silty cla	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Strattiffed Late 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark 11 - Sandy Muck 4 - Sandy Muck 9 - Sandy Muck 11 - Sandy Muck 12 - Thick Dark 13 - Sandy Muck 14 - Sandy Muck 15 - Sandy Muck 16 - Sandy Muck 17 - Sandy Muck 18 - Sandy Muck 19 - Sandy Muck 19 - Sandy Muck 19 - Sandy Muck 19 - Sandy Muck 10 - Sandy Muck 10 - Sandy Muck 11 - Sandy Muck	group): tion (Describe to the Depth 14	Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 3/3 s are not park Surface Below Dark Surface d Matrix Dark Surface d Dark Surface Depressions	(Type: C=Concern % 100	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6 F12 - Iroi F13 - Urr F19 - Pie	Mottles % 30	Vell drained Type C	Location PL Indicators fo A10 - 2cm M F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sand clay loar silty clay loar silty clay loa silty clay loar silt	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): tion (Describe to the Depth 14	Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 3/3 s are not park Surface Below Dark Surface d Matrix Dark Surface d Dark Surface Depressions	(Type: C=Concern % 100	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6 F12 - Iroi F13 - Urr F19 - Pie	Mottles % 30	Vell drained Type C	Location PL Indicators fo A10 - 2cm M F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sand clay loar silty clay loar silty clay loa silty clay loar silt	I, loam) n am /
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Strattiffed Late 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark 11 - Sandy Muck 4 - Sandy Muck 9 - Sandy Muck 11 - Sandy Muck 12 - Thick Dark 13 - Sandy Muck 14 - Sandy Muck 15 - Sandy Muck 16 - Sandy Muck 17 - Sandy Muck 18 - Sandy Muck 19 - Sandy Muck 19 - Sandy Muck 19 - Sandy Muck 19 - Sandy Muck 10 - Sandy Muck 10 - Sandy Muck 11 - Sandy Muck	group): tion (Describe to the Depth 14	Horizon 1 dicators (check he	Color (10YR	Matrix Moist) 3/3 s are not park Surface Below Dark Surface d Matrix Dark Surface d Dark Surface Depressions	(Type: C=Concern % 100	Series Dr tration, D=Deplet Col 10YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 6/6 F12 - Iroi F13 - Urr F19 - Pie	Mottles % 30	Vell drained Type C	Location PL Indicators fo A10 - 2cm M F19 - Piedmor TF12 - Very Other (Expla	(e.g. clay, sand clay loar silty clay loar silty clay loa silty clay loar silt	I, loam) n am /



Project/Site:	Ware Road -Seaman 138 kV Transmission Line Pr	roject			Wetland ID: Wetland 2 Sample Point SP 7
VEGETATION	(Species identified in all uppercase are non-native s	species.)			
Tree Stratum (Plo	t size: 30 ft radius)				
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:1 (A)
3.					
4.					Total Number of Dominant Species Across All Strata:1 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 82 X 1 = 82
	Total Cover =	0			FACW spp. 7
					FAC spp. 10 X 3 = 30
Sapling/Shrub Stra	tum (Plot size: 15 ft radius)				FACU spp. 2
1.					UPL spp. 0
2.					
3.					Total 101 (A) 134 (B)
4.					
5.					Prevalence Index = B/A = 1. 2
6.					1 Tovalcrice Index = D/A = 1. 2
7.					
8.					Hydrophytic Vegetation Indicators:
9.					
10.					
10.	Total Cover =				Yes ☑ ☐ No Dominance Test is > 50% Yes ☑ ☐ No Prevalence Index is ≤ 3.0 *
	Total Cover =	U			
					Yes 🗆 🗹 No Morphological Adaptations (Explain) *
Herb Stratum (Plo			N.I.	E4 014/	Yes ☐ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Scirpus cyperinus	5	N	FACW	* Indicators of hydric soil and wetland hydrology must be
2.	Equisetum hyemale	2	N	FACW	present, unless disturbed or problematic.
3.	Carex stipata	80	Y	OBL	
4.	Eupatorium perfoliatum	2	N	FAC	Definitions of Vegetation Strata:
5.	Rosa multiflora	2	N	FACU	_
6	Eleocharis obtusa	2	N	OBL	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Dichanthelium clandestinum	10	N	FAC	height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.					Call:
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					and woody plants less than 5.20 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	103			
Woody Vine Stratu	m (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
4.					
5.					
	Total Cover =	0			
Remarks:	. 500. 50701 —				
J					
Additional Dan	orke:				
Additional Ren	Idi No.				



Project/Site: Applicant: Investigator #1:	American E	Seaman 138 kV Trans lectric Power s	mission Line P	•	igator #2:		ec Project #:	193704860		Date: County: State:	12/12/16 Adams Ohio	
Soil Unit:	Opequon silty	clay loam 20-40 perce	nt slopes		NV	VI/WWI	Classification:	N/A		Wetland ID:		
Landform: Slope (%):	Depression 5		: 38.98894		cal Relief: .ongitude:			Datum:	NAD83	Sample Point: Community ID:		
		tions on the site typi							No No	Section:	UPL	
		r Hydrology □signi			ii: (ii no, exp		e normal circu			Township:		
		r Hydrology □hatu					e normal circu ☑ Yes		36111:	Range:		Dir:
SUMMARY OF I		Triyurology Lilatu	rally problem	iatic:			103	_ 140		range.		DII
Hydrophytic Veg		ent?		☐ Yes	. ☑ No			Hydric Soils F	Present?			Yes ☑ No
Wetland Hydrold				☐ Yes				Is This Samp		Vithin A Wetla		Yes No
Remarks:		djacent to Wetland		_ 160	, L 110			is this camp	iiig i oiit v	VIIIIII A VVCII	and:	163 140
- tomanto	011 010p0 a	ajaconi io i i chana										
HYDROLOGY												
		tors (Check here if	indicators are	e not pres	ent):				Secondary:			
Primary:		144			DO 14/	01.1.1				B6 - Surface So		0.1
	A1 - Surface A2 - High Wa				B9 - Wate					B8 - Sparsely Ve B10 - Drainage		ive Surface
	A3 - Saturation				B14 - Tru					B16 - Moss Trir		
	B1 - Water M	larks			C1 - Hydr	ogen Sulfi	de Odor			C2 - Dry Seaso		•
	B2 - Sedimer						spheres on Livin	g Roots		C8 - Crayfish B		
	B3 - Drift Dep B4 - Algal Ma						educed Iron eduction in Tilled	Soile		C9 - Saturation D1 - Stunted or		
	B5 - Iron Den			ä	C7 - Thin			30115		D2 - Geomorph		11.5
		on Visible on Aerial Ima	gery		Other (Ex					D3 - Shallow Ad	quitard	
										D4 - Microtopog D5 - FAC-Neutr		
Field Observati										D5 - FAC-Neuti	railest	
Surface Water F Water Table Pre Saturation Prese	Present? esent?	☐ Yes ☑ No ☐ Yes ☑ No ☐ Yes ☑ No	Depth: Depth: Depth:	N/A	(in.) (in.) (in.)			Wetland Hyd	drology Pre	esent?	Yes 🗹 I	No
Describe Recorde	ed Data (stre	am gauge, monitoring	well, aerial p	photos, pre	evious insp	ections),	if available:		N/A			
	,	0 0 ,	, , ,									
Remarks:						·						
SOILS												
SOILS Map Unit Name:		ilty clay loam 20-40	percent slope	es	(Series Dr	ainage Class:	moderately w	vell drained			
SOILS Map Unit Name: Taxonomy (Sub	group):							•				
SOILS Map Unit Name: Taxonomy (Sub-	group): tion (Describe to th	ilty clay loam 20-40		nce of indicators.)				CS=Covered/Coated Sand		=Pore Lining, M=Matrix)		
SOILS Map Unit Name: Taxonomy (Sub- Profile Descript Top	group): tion (Describe to the	e depth needed to document the indica	ator or confirm the abser	nce of indicators.) Matrix	(Type: C=Concen	tration, D=Deplet	tion, RM=Reduced Matrix, (CS=Covered/Coated Sand Mottles	Grains; Location: PL			Texture
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the indicate the indicate of the in	ator or confirm the abser	nce of indicators.) Matrix Moist)	(Type: C=Concen	tration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL	Location		lay, sand, loam)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0	group): tion (Describe to the Bottom Depth 14	e depth needed to document the indica Horizon 1	Color (Matrix Moist) 3/3	(Type: C=Concen	tration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL Type	Location		lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0	group): tion (Describe to th Bottom Depth 14	e depth needed to document the indica Horizon 1	Color (Matrix Moist) 3/3	(Type: C=Concen	tration, D=Deplet	or (Moist)	Mottles %	Grains; Location: PL Type	Location 		lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0	group): tion (Describe to the Bottom Depth 14	e depth needed to document the indica Horizon 1 	Color (Matrix Moist) 3/3	(Type: C=Concen	cration, D=Deplet	or (Moist)	S=Covered/Coated Sand Mottles %	Grains; Location: PL Type	Location 		lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0	group): tion (Describe to the Bottom Depth 14	e depth needed to document the indicate Horizon 1	Color (10YR	Matrix Moist) 3/3	% 100	tration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL Type	Location 		lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0	group): tion (Describe to the Bottom Depth 14	e depth needed to document the indicate Horizon 1	Color (10YR	Matrix Moist) 3/3	% 100	cration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles %	Type	Location		lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0	group): tion (Describe to the Bottom Depth 14	e depth needed to document the indicate Horizon 1	Color (Matrix Moist) 3/3	(Type: C=Concen	tration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL Type	Location		lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0	group): tion (Describe to the Bottom Depth 14	e depth needed to document the indicate Horizon 1	Color (10YR	Matrix Moist) 3/3	% 100	cration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles %	Type	Location		lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth O	group): tion (Describe to the Bottom Depth 14	e depth needed to document the indicate Horizon 1	Color (10YR	Matrix Moist) 3/3 -	(Type: C=Concen	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL Type	Location		lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth O	group): tion (Describe to the Bottom Depth 14	e depth needed to document the indicate Horizon 1	Color (10YR	Matrix Moist) 3/3 s are not	(Type: C=Concen	tration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL Type	Location Indicators fo	r Problematic	lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0	group): tion (Describe to the Depth	e depth needed to document the indicate Horizon 1	Color (10YR	Matrix Moist) 3/3 s are not Redox	(Type: C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL Type	Location Indicators fo A10 - 2cm M A16 - Coast F	r Problematic //uck (MLRA 147) Prairie Redox (MLI	lay, sand, loam) clay loam 2 Soils ¹ RA 147, 148)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 NRCS Hydric S 11- Histosol 2 - Histic Epipe 3 - Black Histic	group): tion (Describe to the Depth	e depth needed to document the indicate Horizon 1	Color (10YR	Matrix Moist) 3/3 s are not Redox	(Type: C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL Type	Location	r Problematic fuck (MLRA 147) Prairie Redox (ML t Floodplain Soils	lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S	group): tion (Describe to the Depth 14	e depth needed to document the indicate Horizon 1	Color (10YR g if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu	Matrix Moist) 3/3 s are not Redox d Matrix d Matrix fd Matrix	(Type: C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	r Problematic Juck (MLRA 147) Pairie Redox (MLL It Floodplain Soils Shallow Dark	lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subprofile Descript) Top Depth 0	group): tion (Describe to the Depth	e depth needed to document the indicate Horizon 1	Color (10YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalt \$9 - Thin Da	Matrix Moist) 3/3 s are not Redox d Matrix Matrix Moist) 7/8	(Type: C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	r Problematic fuck (MLRA 147) Prairie Redox (ML t Floodplain Soils	lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S	group): tion (Describe to the Depth	Horizon 1 dicators (check her	Color (10YR g if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu	Matrix Moist) 3/3 s are not Redox di Matrix Matrix Moist) 4 Matrix Moist) Be Below D Resort Surface Gleyed Matrix	(Type: C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	r Problematic Juck (MLRA 147) Pairie Redox (MLL It Floodplain Soils Shallow Dark	lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0	group): tion (Describe to the Depth 14	Horizon 1	Color (10YR	Matrix Moist) 3/3 s are not Redox d Matrix d M	(Typer C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	r Problematic Juck (MLRA 147) Pairie Redox (MLL It Floodplain Soils Shallow Dark	lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subprofile Descript) Top Depth 0	group): tion (Describe to the Depth 14	Horizon 1	Color (10YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 3/3 s are not Redox d Matrix Hatrix	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL Type	Location	r Problematic Muck (MLRA 147) Prairie Redox (MLI t Floodplain (MLI Shallow Dark ain in Remarks	lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0	group): tion (Describe to the Depth 14	Horizon 1	Color (10YR	Matrix Moist) 3/3	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL Type	Location	r Problematic fluck (MLRA 147) rairie Redox (MLI tt Floodplain Soils Shallow Dark ain in Remarks	lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subprofile Descript) Top Depth 0	group): tion (Describe to the Depth 14	Horizon 1 dicators (check her	Color (10YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 3/3 s are not Redox d Matrix Hatrix	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL Type	Location	r Problematic Muck (MLRA 147) Prairie Redox (MLI t Floodplain (MLI Shallow Dark ain in Remarks	lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0	group): tion (Describe to the Depth 14	Horizon 1 dicators (check her	Color (10YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 3/3	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL Type	Location	r Problematic fluck (MLRA 147) rairie Redox (MLI tt Floodplain Soils Shallow Dark ain in Remarks	lay, sand, loam) clay loam
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0	group): tion (Describe to the Depth 14	Horizon 1 dicators (check her	Color (10YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 3/3	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL Type	Location	r Problematic fluck (MLRA 147) rairie Redox (MLI tt Floodplain Soils Shallow Dark ain in Remarks	lay, sand, loam) clay loam



Project/Site:	Ware Road - Seaman 138 kV Transmission Line F	roject			Wetland ID: Wetland 2 Sample Point SP 8
VEGETATION	(Species identified in all uppercase are non-native	species.)			
Tree Stratum (Plo	ot size: 30 ft radius)				
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:1 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 2 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					<u> </u>
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 =0
10.	Total Cover =				FACW spp. 0 x 2 = 0
	Total Gover -	- 0			FAC spp. 50 X 3 = 150
O = = 1;= = /Ob = : -b Ob = :	-time (Diet siese 45 ft as dive)				
	atum (Plot size: 15 ft radius)	10	Υ	EACH	FACU spp. 18 X 4 = 72
1.	Juniperus virginiana			FACU	UPL spp. 17
2.					
3.					Total 85 (A) 307 (B)
4.					
5.					Prevalence Index = B/A =
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes ☐ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes ☐ ☑ No Dominance Test is > 50%
	Total Cover =	= 10			Yes □ ☑ No Prevalence Index is ≤ 3.0 *
					Yes □ ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Plo	t size: 5 ft radius)				Yes □ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Dichanthelium clandestinum	50	Υ	FAC	- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10
2.	Daucus carota	5	N	UPL	* Indicators of hydric soil and wetland hydrology must be
3.	Dipsacus fullonum	1	N	FACU	present, unless disturbed or problematic.
4.	Cirsium vulgare	1	N	FAC	Definitions of Vegetation Strata:
5.	Rosa multiflora	2	N	FACU	Definitions of Vegetation Strata.
6		2			Troe
	Plantago lanceolata		N	UPL	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.	Rubus allegheniensis	5	N	FACU	noight (BBH), regulatess of height.
8.	Elymus hystrix	10	N	UPL	Westerlands for the Oir DRII and secretarilian 0.00 ft
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.					
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	- 76			
Woody Vine Strati	um (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☐ Yes ☑ No
4.					Tryurophytic vegetation (165 to 165
<u>4.</u> 5.					
ე.					
Damada	Total Cover =	= 0			
Remarks:					
Additional Ren	narks:				



Drojoot/Sito:												
Project/Site:	Ware Road -	Seaman 138 kV Transr	nission Line P	roject		Stant	ec Project #:	193704860		Date:	12/12/16	
Applicant:	American E	Electric Power								County:	Adams	
Investigator #1:	Michael de	Villiers		Invest	igator #2:	Timothy	Botting			State:	Ohio	
Soil Unit:		n, 0 to 3 percent slopes					Classification:	DEM4 A		Wetland ID:		
		i, u to 3 percent slopes					Ciassilication.	FEIVITA				
Landform:	Field				cal Relief:					Sample Point:		
Slope (%):	0.5 Latitude: 39.00013 Longitude: -83.32753 Datum: NAD83										Upland	
Are climatic/hyd	rologic conditions on the site typical for this time of year? (If no, explain in remarks)											
Are Vegetation [☐, Soil ☐ or Hydrology ☐ significantly disturbed? Are normal circumstances present?											
		r Hydrology □hatur						□ No		Township: Range:	Dir:	
		Triyurology Hiatui	any problem	ialio:			E 103	_ 110		range.	DII.	
SUMMARY OF I												
Hydrophytic Veg				☐ Yes	☑ No			Hydric Soils I			☐ Yes ☑ No	
Wetland Hydrold	ogy Present?	•		☐ Yes	☑ No			Is This Samp	ling Point W	ithin A Wetla	and? 🔳 Yes 🔟 No	
Remarks:	Active row-	crop										
111/55501.001/												
HYDROLOGY												
Wetland Hydro	ology Indica	tors (Check here if i	ndicators are	e not pres	ent):	V			Secondary:			
Primary		toro (orroom room r	naioatoro art	o not proc	OII. /.					B6 - Surface So	nil Cracks	
		Water			B9 - Wate	er-Stained	Leaves				egetated Concave Surface	
	A2 - High Wa				B13 - Aqu					B10 - Drainage		
	A3 - Saturation				B14 - Tru					B16 - Moss Trir		
	B1 - Water M				C1 - Hydr					C2 - Dry Seaso		
	B2 - Sedimer						spheres on Livin	a Roots		C8 - Crayfish B		
	B3 - Drift Der						educed Iron	9 110010			Visible on Aerial Imagery	
	B4 - Algal Ma						duction in Tilled	Soils			Stressed Plants	
	B5 - Iron Dep				C7 - Thin			Collo		D2 - Geomorph		
		on Visible on Aerial Imag	nerv		Other (Ex					D3 - Shallow Ad		
_	Di manaan	on violoto on violat ima	,.,	_	O 11.01 (2X	piani ni ric	mamo)			D4 - Microtopod		
										D5 - FAC-Neutr		
Field Observati												
Surface Water F	Present?	Yes No	Depth:		(in.)			Wetland Hyd	drology Pro	cont2	Yes ☑ No	
Water Table Pre	esent?	☐ Yes ☑ No	Depth:		(in.)			wetiand my	arology Fre	Selit:	iles E No	
Saturation Prese		☐ Yes ☑ No	Depth:		(in.)							
					. ,							
Describe Recorde	ed Data (stre	am gauge, monitoring	well, aerial p	photos, pre	evious insp	ections),	if available:		N/A			
Remarks:												
SOILS												
SOILS	: Tilsit silt loa	am, 0 to 3 percent slo	opes		Ş	Series Dr	ainage Class:	moderately w	vell drained			
SOILS		am, 0 to 3 percent slo	opes		Ç	Series Dı	rainage Class:	moderately w	vell drained			
SOILS Map Unit Name: Taxonomy (Sub	group):	•		nne of indicators)				-		-Pore Lining M-Matrix)		
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip	group): tion (Describe to th	am, 0 to 3 percent sle						CS=Covered/Coated Sand		-Pore Lining, M=Matrix)	Toyturo	
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top	group): tion (Describe to the	e depth needed to document the indica	tor or confirm the abser	Matrix	(Type: C=Concen	tration, D=Deple	tion, RM=Reduced Matrix, (CS=Covered/Coated Sand Mottles	Grains; Location: PL=		Texture	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip	group): tion (Describe to th	•		Matrix		tration, D=Deple		CS=Covered/Coated Sand		Pore Lining, M=Matrix) Location	Texture (e.g. clay, sand, loam)	
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top	group): tion (Describe to the	e depth needed to document the indica	tor or confirm the abser	Matrix	(Type: C=Concen	tration, D=Deple	tion, RM=Reduced Matrix, (CS=Covered/Coated Sand Mottles	Grains; Location: PL=			
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the indica	tor or confirm the abser	Matrix Moist)	(Type: C=Concen	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location	(e.g. clay, sand, loam)	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to th Bottom Depth 16	e depth needed to document the indica Horizon 1	Color (Matrix Moist) 4/2	(Type: C=Concen	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 16	e depth needed to document the indica Horizon 1	Color (Matrix Moist) 4/2	(Type: C=Concen	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to th Bottom Depth 16	e depth needed to document the indica Horizon 1	Color (Matrix Moist) 4/2	(Type: C=Concen	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 16	e depth needed to document the indica Horizon 1	Color (Matrix Moist) 4/2	(Type: C=Concen	Col	or (Moist)	S=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, loam) silty clay loam 	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 16	e depth needed to document the indica Horizon 1	Color (10YR	Matrix Moist) 4/2	% 100	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, loam) silty clay loam 	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 16	Horizon 1	Color (Matrix Moist) 4/2	(Type: C=Concen	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Type	Location	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to th Bottom Depth 16	e depth needed to document the indica Horizon 1	Color (Matrix Moist) 4/2	% 100	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL-	Location	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 16	Horizon 1	Color (Matrix Moist) 4/2	(Type: C=Concen	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Type	Location	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon 1	Color (10YR	Matrix Moist) 4/2	(Type: C=Concen	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Type	Location	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	e depth needed to document the indica Horizon 1	Color (10YR if indicators	Matrix Moist) 4/2 s are not p	(Type: C=Concen	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains: Location: PL-	Location Indicators fo	(e.g. clay, sand, loam) silty clay loam r Problematic Soils 1	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0 NRCS Hydric S	group): tion (Describe to the Depth	e depth needed to document the indica Horizon 1	Color (10YR	Matrix Moist) 4/2 s are not predox	(Type: C=Concen	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL- Type	Location Indicators fo	(e.g. clay, sand, loam) silty clay loam r Problematic Soils ¹	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 NRCS Hydric S 1- Histosol 12 - Histic Epipe	group): tion (Describe to the Depth	e depth needed to document the indica Horizon 1	Color (10YR	Matrix Moist) 4/2 s are not predox at Matrix	(Type: C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F	(e.g. clay, sand, loam) silty clay loam r Problematic Soils 1 Prairie Redox (MLRA 147, 148)	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 NRCS Hydric S 11- Histosol 2 - Histic Epipe 3 - Black Histic	group): tion (Describe to the Depth 16	e depth needed to document the indica Horizon 1	Color (10YR if indicators S5 - Sandy F S6 - Stripped S7 - Dark Su	Matrix Moist) 4/2 s are not p Redox d Matrix urface	(Type: C=Concen	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth	e depth needed to document the indica Horizon 1	cor or confirm the abservation or confirm the abservation of the confirmation of the c	Matrix Moist) 4/2 s are not predox gredox dridate	(Type: C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F 19 - Piedmon TF12 - Very	(e.g. clay, sand, loam) silty clay loam r Problematic Soils 1 Prairie Redox (MLRA 147, 148)	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth	e depth needed to document the indica Horizon 1	Color (10YR if indicators \$5 - Sandy F \$6 - Strippec \$5 - Polyvalu \$9 - Thin Da	Matrix Moist) 4/2 s are not process of Matrix Inface use Below Dork Surface	(Typer C=Concern 9% 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F 19 - Piedmon TF12 - Very	(e.g. clay, sand, loam) silty clay loam r Problematic Soils 1 Puck (MLRA 147) Patrile Redox (MLRA 147, 148) Pt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon 1 dicators (check here	Color (10YR	Matrix Moist) 4/2 s are not predox difference de Below Doirk Surface Gleyed Matrix	(Typer C=Concern 9% 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F 19 - Piedmon TF12 - Very	(e.g. clay, sand, loam) silty clay loam r Problematic Soils 1 Puck (MLRA 147) Patrile Redox (MLRA 147, 148) Pt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon 1 dicators (check here	Color (10YR	Matrix Moist) 4/2 s are not p Redox d Matrix urface ue Below Di rrk Surface Gleved Mat d Matirx	(Type: C=Concent) % 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F 19 - Piedmon TF12 - Very	(e.g. clay, sand, loam) silty clay loam r Problematic Soils 1 Puck (MLRA 147) Patrile Redox (MLRA 147, 148) Pt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	
SOILS Map Unit Name: Taxonomy (Subremain Subremain Subr	group): tion (Describe to the Depth 16	Horizon 1	Color (10YR	Matrix Moist) 4/2 s are not packod Matrix urface ue Below Dark Surface Glelyed Mat d Matrix Dark Surface Surface Surface Matrix Dark Surface	(Typer C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location Indicators fo A10 - 2cm M A16 - Coast F 19 - Piedmon TF12 - Very	(e.g. clay, sand, loam) silty clay loam r Problematic Soils 1 Puck (MLRA 147) Patrile Redox (MLRA 147, 148) Pt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon 1	Color (10YR if indicators \$5 - Sandy F \$6 - Strippet \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox (F7 - Depleter	Matrix Moist) 4/2 s are not packox d Matrix urface gleved Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concern 9% 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, loam) silty clay loam r Problematic Soils 1 Puck (MLRA 147) Patrile Redox (MLRA 147, 148) Pt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon 1 dicators (check here	Color (10YR	Matrix Moist) 4/2 s are not packed Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon 1 dicators (check here	Color (10YR if indicators \$5 - Sandy F \$6 - Strippet \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox (F7 - Depleter	Matrix Moist) 4/2 s are not packox d Matrix urface gleved Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concern 9% 100	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, loam) silty clay loam r Problematic Soils 1 Pluck (MLRA 147) Pluck (MLRA 147) Pluck (MLRA 147) Shallow Dark Surface in in Remarks)	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon 1 dicators (check here	Color (10YR if indicators \$5 - Sandy F \$6 - Strippet \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox (F7 - Depleter	Matrix Moist) 4/2 s are not packed Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon 1 dicators (check here	Color (10YR if indicators \$5 - Sandy F \$6 - Strippet \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox (F7 - Depleter	Matrix Moist) 4/2 s are not packed Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon 1 dicators (check here	Color (10YR if indicators \$5 - Sandy F \$6 - Strippet \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox (F7 - Depleter	Matrix Moist) 4/2 s are not packed Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, loam) silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 16	Horizon 1	Color (10YR if indicators \$5 - Sandy F \$6 - Strippet \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox (F7 - Depleter	Matrix Moist) 4/2 s are not packed Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL- Type	Location	(e.g. clay, sand, loam) silty clay loam	



Project/Site:	Ware Road - Seaman 138 kV Transmission Line Pr	roject			Wetland ID: N/A Sample Point SP 9
VEGETATION	(Species identified in all uppercase are non-native s	pecies.)			
Tree Stratum (Plo	t size: 30 ft radius)				Deminance Test Werkehest
1.	Species Name	% Cover Dom	ninant I	nd.Status	Dominance Test Worksheet
2.					Number of Dominant Species that are OBL, FACW, or FAC:1 (A)
3.					(1)
4.					Total Number of Dominant Species Across All Strata: 2 (B)
5.					(,
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					· · · ·
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp 0
	Total Cover =	0			FACW spp. $0 x 2 = 0$
					FAC spp. 20
	tum (Plot size: 15 ft radius)				FACU spp 0 x 4 = 0
1. 2.					UPL spp 10
3.					Total 30 (A) 110 (B)
4.					10tal (A) 110 (B)
5.					Prevalence Index = B/A = .
6.					Trovalonos mass – 5/71 –
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes □ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes ☐ ☑ No Dominance Test is > 50%
	Total Cover =	0			Yes ☐ ☑ No Prevalence Index is ≤ 3.0 *
					Yes ☐ ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Plot	size: 5 ft radius)				Yes ☐ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Setaria pumila	20	Υ	FAC	* Indicators of hydric soil and wetland hydrology must be
2.	Setaria faberi	10	Υ	UPL	present, unless disturbed or problematic.
3.					
4.					Definitions of Vegetation Strata:
5.					T
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.					rioight (DDI), rogaraicss of rioight.
8. 9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	30			
Woody Vine Stratu	m (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☐ Yes ☑ No
4.					
5.					
<u> </u>	Total Cover =	0			
Remarks:					
Additional Ren	narks:				
l					



Project/Site:											
	Ware Road -	Seaman 138 kV Transı	mission Line P	roject		Stant	ec Project #:	193704860		Date:	12/12/16
Applicant:	American E	Electric Power								County:	Adams
Investigator #1:	Bill Leopolo	4		Invest	igator #2:	Dillon M	cNulty			State:	Ohio
Soil Unit:		t loam, 0-3 percent slop	00				Classification:	NI/A		Wetland ID:	
	,	t loam, 0-3 percent slop	es					IN/A			
Landform:	hillslope				cal Relief:			_		Sample Point:	
Slope (%):	0		39.02030		.ongitude:				NAD83	Community ID:	: PEM
Are climatic/hyd	rologic cond	itions on the site typi	cal for this til	me of yea	r? (If no, exp	olain in remai	rks)	✓ Yes □	No	Section:	
		r Hydrology □signi						mstances pres	sent?	Township:	
		or Hydrology hatu						□ No		Range:	Dir:
		r riyarology 🗀 lata	rally problem	ialic:			E 103	_ 110		Range.	Ы
SUMMARY OF I											
Hydrophytic Veg				✓ Yes				Hydric Soils F			☑ Yes □ No
Wetland Hydrolo	ogy Present?)		☑ Yes	□ No			Is This Samp	ling Point W	ithin A Wetla	and? 🛛 Yes 🔳 No
Remarks:	PEM comp	onent.									
111/5501.001											
HYDROLOGY											
Wetland Hydro	ology Indica	tors (Check here if i	ndicators are	e not pres	ent):				Secondary:		
Primary		toro (oncon nocin i	naioatoro art	o not proc	OII. /.	_				B6 - Surface So	nil Cracks
		Water			B9 - Wate	er-Stained I	eaves				egetated Concave Surface
7	A2 - High Wa					atic Fauna				B10 - Drainage	
	A3 - Saturation					e Aquatic F				B16 - Moss Trir	
	B1 - Water M					ogen Sulfic				C2 - Dry Seaso	
	B2 - Sedimer						spheres on Livin	a Roots		C8 - Crayfish B	
	B3 - Drift De						duced Iron	9 110010			Visible on Aerial Imagery
	B4 - Algal Ma						duction in Tilled	Soils			Stressed Plants
	B5 - Iron Der					Muck Surf		Collo		D2 - Geomorph	
		on Visible on Aerial Ima	gerv			plain in Re				D3 - Shallow Ad	
_	Di manaan	on violoto on rional inia	90.7	_	011101 (27	piani in rec	,			D4 - Microtopo	
										D5 - FAC-Neuti	
Field Observati											
Surface Water F	Present?	Yes No	Depth:	0-2	(in.)			Wetland Hyd	drology Pre	sent?	Yes □ No
Water Table Pre	esent?	☑ Yes □ No	Depth:	8	(in.)			Wetland Hyc	arology i re	Sent:	1163 🗖 110
Saturation Prese	ent?	☑ Yes □ No	Depth:	6	(in.)						
			· ·		` '						
Describe Recorde	ed Data (stre	am gauge, monitoring	g well, aerial p	ohotos, pre	evious insp	ections),	if available:		N/A		
Remarks:	recent rains	s overniaht									
		3									
COILC											
SOILS											
Map Unit Name:		silt loam, 0-3 percen	t slopes		(Series Dr	ainage Class:	moderately w	vell drained		
		silt loam, 0-3 percen	t slopes		ς.	Series Dr	ainage Class:	moderately w	vell drained		
Map Unit Name: Taxonomy (Sub	group):			nce of indicators.)				•		:Pore Lining, M≡Matrix)	
Map Unit Name: Taxonomy (Subprofile Description	group): tion (Describe to th	silt loam, 0-3 percen						CS=Covered/Coated Sand		:Pore Lining, M=Matrix)	Teyture
Map Unit Name: Taxonomy (Sub- Profile Descripe Top	group): tion (Describe to the Bottom	e depth needed to document the indica	ator or confirm the abser	Matrix	(Type: C=Concen	tration, D=Depleti	ion, RM=Reduced Matrix, (CS=Covered/Coated Sand Mottles	Grains; Location: PL=		Texture (a.g. elev cond learn)
Map Unit Name: Taxonomy (Sub- Profile Descript Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the indica	tor or confirm the abser	Matrix (Moist)	(Type: C=Concen	tration, D=Depleti	on, RM=Reduced Matrix, o	CS=Covered/Coated Sand Mottles	Grains; Location: PL=	Location	(e.g. clay, sand, loam)
Map Unit Name: Taxonomy (Subperside Description Top Depth 0	group): tion (Describe to the Bottom	e depth needed to document the indica	ator or confirm the abser	Matrix (Moist) 5/2	(Type: C=Concen	tration, D=Depleti	on, RM=Reduced Matrix, Open (Moist) 4/4	CS=Covered/Coated Sand Mottles % 10	Grains; Location: PL=		
Map Unit Name: Taxonomy (Sub- Profile Descript Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the indica	tor or confirm the abser	Matrix (Moist)	(Type: C=Concen	tration, D=Depleti	on, RM=Reduced Matrix, o	CS=Covered/Coated Sand Mottles	Grains; Location: PL=	Location	(e.g. clay, sand, loam)
Map Unit Name: Taxonomy (Subpersolution) Profile Description Top Depth 0 6	group): tion (Describe to the Bottom Depth 6 8	e depth needed to document the indicated Horizon	Color (2.5Y 10YR	Matrix (Moist) 5/2 2/2	(Type: C=Concen	tration, D=Depleti	on, RM=Reduced Matrix, on (Moist) 4/4 3/4	Mottles % 10 20	Grains; Location: PL=	Location PL M	(e.g. clay, sand, loam) silt loam loam
Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 6 8	group): tion (Describe to the Bottom Depth 6 8 16	Horizon 1 2 3	Color (2.5Y 10YR 2.5Y	Matrix (Moist) 5/2 2/2 4/1	(Type: C=Concen % 90 80 50	rration, D=Depleti	on, RM=Reduced Matrix, on (Moist) 4/4 3/4	CS=Covered/Coated Sand Mottles % 10 20	Grains; Location: PL=	Location PL M	(e.g. clay, sand, loam) silt loam loam silt loam
Map Unit Name: Taxonomy (Subj Profile Descript Top Depth 0 6 8	group): tion (Describe to the Bottom Depth 6 8 16 16	Horizon 1 2 3 3	Color (2.5Y 10YR 2.5Y 2.5Y	Matrix (Moist) 5/2 2/2 4/1 3/1	% 90 80 50 40	Cole 10YR 10YR 10YR 10YR	on, RM=Reduced Matrix, (Or (Moist) 4/4 3/4 4/6	CS=Covered/Coated Sand Mottles % 10 20 10	Grains; Location: PL= Type C C C	Location PL M PL	(e.g. clay, sand, loam) silt loam loam silt loam silt loam
Map Unit Name: Taxonomy (Subpersolution of the Description of the Desc	group): tion (Describe to the Bottom Depth 6 8 16	Horizon 1 2 3	Color (2.5Y 10YR 2.5Y	Matrix (Moist) 5/2 2/2 4/1	(Type: C=Concen % 90 80 50	rration, D=Depleti	on, RM=Reduced Matrix, on (Moist) 4/4 3/4	CS=Covered/Coated Sand Mottles % 10 20	Grains; Location: PL=	Location PL M	(e.g. clay, sand, loam) silt loam loam silt loam
Map Unit Name: Taxonomy (Subj Profile Descript Top Depth 0 6 8	group): tion (Describe to the Bottom Depth 6 8 16 16	Horizon 1 2 3 3	Color (2.5Y 10YR 2.5Y 2.5Y	Matrix (Moist) 5/2 2/2 4/1 3/1	% 90 80 50 40	Cole 10YR 10YR 10YR 10YR	on, RM=Reduced Matrix, (Or (Moist) 4/4 3/4 4/6	CS=Covered/Coated Sand Mottles % 10 20 10	Grains; Location: PL= Type C C C	Location PL M PL	(e.g. clay, sand, loam) silt loam loam silt loam silt loam
Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 6 8 8	group): tion (Describe to the Bottom Depth 6 8 16 16	Horizon 1 2 3 3	Color (2.5Y 10YR 2.5Y 2.5Y	Matrix Moist) 5/2 2/2 4/1 3/1	% 90 80 50 40	Cold 10YR 10YR 10YR 	on, RM=Reduced Matrix, (Or (Moist) 4/4 3/4 4/6	Mottles % 10 20 10	Grains; Location: PL= Type C C C C	Location PL M PL	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 6 8 8	group): tion (Describe to the Depth	Horizon 1 2 3 3	Color (2.5Y 10YR 2.5Y 2.5Y	Matrix Moist) 5/2 2/2 4/1 3/1	(Type: C=Concen % 90 80 50 40	Coldination, D=Depletic Coldination 10YR 10YR 10YR -	on, RM=Reduced Matrix, (Or (Moist) 4/4 3/4 4/6	CS=Covered/Coated Sand Mottles % 10 20 10	Type C C C C	Location PL M PL	(e.g. clay, sand, loam) silt loam loam silt loam silty clay
Map Unit Name: Taxonomy (Subj Profile Descript Top Depth 0 6 8 8	group): tion (Describe to the Depth	Horizon 1 2 3 3	Color (2.5Y 10YR 2.5Y 2.5Y	Matrix (Moist) 5/2 2/2 4/1 3/1	(Type: C=Concen	tration, D=Deplete	on, RM=Reduced Matrix, (Or (Moist) 4/4 3/4 4/6	CS=Covered/Coated Sand Mottles % 10 20 10	Type C C C C	Location PL M PL	(e.g. clay, sand, loam) silt loam loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 6 8 NRCS Hydric S	group): tion (Describe to the Depth	Horizon 1 2 3 3	Color (2.5Y 10YR 2.5Y 2.5Y 2 if indicators	Matrix (Moist) 5/2 2/2 4/1 3/1 s are not p	(Type: C=Concen	Coldination, D=Depletic Coldination 10YR 10YR 10YR -	on, RM=Reduced Matrix, (Or (Moist) 4/4 3/4 4/6	CS=Covered/Coated Sand Mottles % 10 20 10	Grains; Location: PL=	Location PL M PL Indicators fo	(e.g. clay, sand, loam) silt loam loam silt loam silty clay problematic Soils 1
Map Unit Name: Taxonomy (Subj Profile Descript Top Depth 0 6 8 8	group): tion (Describe to the Depth	Horizon 1 2 3 3	Color (2.5Y 10YR 2.5Y 2.5Y	Matrix (Moist) 5/2 2/2 4/1 3/1 s are not p	(Type: C=Concen	tration, D=Deplete	on, RM=Reduced Matrix, 0 Or (Moist) 4/4 3/4 4/6 F12 - Iror	Mottles	Grains; Location: PL= Type C C C C S SSSES (LRR N. N.	Location PL M PL Indicators fo	(e.g. clay, sand, loam) silt loam loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 6 8 NRCS Hydric S	group): tion (Describe to the Bottom Depth 6 8 16 16	Horizon 1 2 3 3	Color (2.5Y 10YR 2.5Y 2.5Y 2 if indicators	Matrix (Moist) 5/2 2/2 4/1 3/1 s are not predox	(Type: C=Concen	tration, D=Deplete	on, RM=Reduced Matrix, 0 Or (Moist) 4/4 3/4 4/6 F12 - Iror	CS=Covered/Coated Sand Mottles % 10 20 10	Grains; Location: PL= Type C C C C S SSSES (LRR N. N.	Location PL M PL Indicators fo	(e.g. clay, sand, loam) silt loam loam silt loam silty clay problematic Soils 1
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 6 8 8 NRCS Hydric S	group): tion (Describe to the Depth	Horizon 1 2 3 3	Color (2.5Y 10YR 2.5Y 2.5Y if indicators S5 - Sandy F S6 - Stripped S7 - Dark Su	Matrix Moist) 5/2 2/2 4/1 3/1 s are not p Redox d Matrix urface	(Type: C=Concen	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR): Z	on, RM=Reduced Matrix, (Or (Moist) 4/4 3/4 4/6	Mottles	Grains; Location: PL= Type C C C C	Location PL M PL Indicators fo A10 - 2cm N A16 - Coast F	(e.g. clay, sand, loam) silt loam loam silt loam silty clay r Problematic Soils 1
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 12 - Histic Epipe	group): tion (Describe to the Depth	Horizon 1 2 3 3	Color (2.5Y 10YR 2.5Y 2.5Y 2 if indicators \$5 - Sandy F \$6 - Stripped	Matrix Moist) 5/2 2/2 4/1 3/1 s are not p Redox d Matrix urface	(Type: C=Concen	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR): Z	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C	Location PL M PL Indicators fo A10 - 2cm N A10 - Coast F F19 - Piedmon	(e.g. clay, sand, loam) silt loam loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 6 8 8 NRCS Hydric S 1 - Histosol 2 - Histic Epipe 3 - Black Histic	group): tion (Describe to the Depth of the	Horizon 1 2 3 3	Color (2.5Y 10YR 2.5Y 2.5Y if indicators S5 - Sandy F S6 - Stripped S7 - Dark Su	Matrix (Moist) 5/2 2/2 4/1 3/1 s are not predox redox urface ue Below Da	(Type: C=Concen	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles Mottles % 10 20 10	Grains; Location: PL= Type C C	Location PL M PL Indicators fo A10 - 2cm N A10 - Coast F F19 - Piedmon	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified L 10 - 2 cm Muck	group): tion (Describe to the Depth	Horizon 1 2 3 3 dicators (check here	Color (2.5Y 10YR 2.5Y 2.5Y 2.5Y p if indicators \$5 - Sandy F \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu, \$9 - Thin Da F2 - Loarny 0	Matrix Moist) 5/2 2/2 4/1 3/1 s are not predox d Matrix urface ue Below Do Ark Surface Gleyed Mat	(Type: C=Concen 96 90 80 50 40 present	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C	Location PL M PL Indicators fo A10 - 2cm N A10 - Coast F F19 - Piedmon	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La	group): tion (Describe to the Depth	Horizon 1 2 3 3 dicators (check here	Color (2.5Y 10YR 2.5Y 2.5Y 2.5Y if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su, \$8 - Polyvalu, \$9 - Thin Da	Matrix Moist) 5/2 2/2 4/1 3/1 s are not predox d Matrix urface ue Below Do Ark Surface Gleyed Mat	(Type: C=Concen 96 90 80 50 40 present	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C	Location PL M PL Indicators fo A10 - 2cm N A10 - Coast F F19 - Piedmon	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified L 10 - 2 cm Muck	group): tion (Describe to the Depth	Horizon 1 2 3 3 dicators (check here	Color (2.5Y 10YR 2.5Y 2.5Y 2.5Y p if indicators \$5 - Sandy F \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu, \$9 - Thin Da F2 - Loarny 0	Matrix Moist) 5/2 2/2 4/1 3/1 s are not p Redox d Matrix urface ue Below D urk Surface Gleved Mat d Matix	(Type: C=Concent) % 90 80 50 40	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C	Location PL M PL Indicators fo A10 - 2cm N A10 - Coast F F19 - Piedmon	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Much 11 - Depleted E 12 - Thick Dark 1 - Sandy Much	group): tion (Describe to the Depth	Horizon 1 2 3 3 dicators (check here	Color (2.5Y 10YR 2.5Y 2.5Y	Matrix Moist) 5/2 2/2 4/1 3/1 s are not park Surface ge Below Dark Surface Gleyed Mattix Dark Surface Surface Surface Matrix Dark Surface	(Type: C=Concen 9% 90 80 50 40 present ark Surface (MLRA 147, 148) rix e	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C	Location PL M PL Indicators fo A10 - 2cm N A10 - Coast F F19 - Piedmon	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 110 - 2 cm Much 111 - Depleted E 112 - Thick Dark	group): tion (Describe to the Depth	Horizon 1 2 3 3 dicators (check here	Color (2.5Y 10YR 2.5Y 2.5Y 2.5Y if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E	Matrix Moist) 5/2 2/2 4/1 3/1 s are not p Redox d Matrix urface Gleved Mat d Matrix Dark Surface Gleved Mat d Matrix	(Typer C=Concent	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C C C	Location PL M PL Indicators fo A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Much 11 - Depleted E 12 - Thick Dark 1 - Sandy Much	group): tion (Describe to the Depth of the	Horizon 1 2 3 3 dicators (check here	Color (2.5Y 10YR 2.5Y 2.5Y 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox L F7 - Deplete	Matrix Moist) 5/2 2/2 4/1 3/1 s are not particular and Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concent	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C C C 3SSES (LRR N, N, N, LA 122, 136) In Soils (MLRA 127, 147) I (MLRA 127, 147)	Location PL M PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Much 11 - Depleted E 12 - Thick Dark 1 - Sandy Much 4 - Sandy Muck 4 - Sandy Gley	group): tion (Describe to the Depth	Horizon 1 2 3 3 dicators (check here	Color (2.5Y 10YR 2.5Y 2.5Y 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox L F7 - Deplete	Matrix Moist) 5/2 2/2 4/1 3/1 s are not p Redox d Matrix urface Gleved Mat d Matrix Dark Surface Gleved Mat d Matrix	(Typer C=Concent	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C C C BSSES (LRR N, N, N, LA 122, 136) In Soils (MLRA 127, 147) I (MLRA 127, 147)	Location PL M PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Libert Strategy S 11 - Depleted E 11 - Depleted E 12 - Thick Dark 11 - Sandy Muck 14 - Sandy Muck 4 - Sandy Gley Restrictive Layer ((f Observed)	group): tion (Describe to the Depth of the	Horizon 1 2 3 3 dicators (check here	Color (2.5Y 10YR 2.5Y 2.5Y 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox L F7 - Deplete	Matrix Moist) 5/2 2/2 4/1 3/1 s are not particular and Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concent	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C C C BSSES (LRR N, N, N, LA 122, 136) In Soils (MLRA 127, 147) I (MLRA 127, 147)	Location PL M PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10-2 cm Muck 11- Depleted E 12- Thick Dark 11- Sandy Muck 4- Sandy Gley Restrictive Layer	group): tion (Describe to the Depth of the	Horizon 1 2 3 3 dicators (check here	Color (2.5Y 10YR 2.5Y 2.5Y 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox L F7 - Deplete	Matrix Moist) 5/2 2/2 4/1 3/1 s are not particular and Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concent	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C C C BSSES (LRR N, N, N, LA 122, 136) In Soils (MLRA 127, 147) I (MLRA 127, 147)	Location PL M PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Libert Strategy S 11 - Depleted E 11 - Depleted E 12 - Thick Dark 11 - Sandy Muck 14 - Sandy Muck 4 - Sandy Gley Restrictive Layer ((f Observed)	group): tion (Describe to the Depth of the	Horizon 1 2 3 3 dicators (check here	Color (2.5Y 10YR 2.5Y 2.5Y 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox L F7 - Deplete	Matrix Moist) 5/2 2/2 4/1 3/1 s are not particular and Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concent	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C C C BSSES (LRR N, N, N, LA 122, 136) In Soils (MLRA 127, 147) I (MLRA 127, 147)	Location PL M PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 6 8 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Libert Strategy S 11 - Depleted E 11 - Depleted E 12 - Thick Dark 11 - Sandy Muck 14 - Sandy Muck 4 - Sandy Gley Restrictive Layer ((f Observed)	group): tion (Describe to the Depth of the	Horizon 1 2 3 3 dicators (check here	Color (2.5Y 10YR 2.5Y 2.5Y 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox L F7 - Deplete	Matrix Moist) 5/2 2/2 4/1 3/1 s are not particular and Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Typer C=Concent	Colinary 10YR 10YR 10YR 10YR 10YR 10YR 10YR (MLRA 147, 14	on, RM=Reduced Matrix, Cor (Moist) 4/4 3/4 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 20 10	Grains; Location: PL= Type C C C C BSSES (LRR N, N, N, LA 122, 136) In Soils (MLRA 127, 147) I (MLRA 127, 147)	Location PL M PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silt loam loam silt loam silt loam silty clay



Project/Site:	Ware Road - Seaman 138 kV Transmission Line Pro	oject			Wetland ID: Wetland 3 Sample Point SP 10
VEGETATION	(Species identified in all uppercase are non-native s	pecies.)			
Tree Stratum (Plo					
	Species Name	% Cover Do		Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:1 (A)
3.					T. 111 (D. 1.10) A (D. 1.10)
4.					Total Number of Dominant Species Across All Strata:(B)
5.					D (D
6.					Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7.					Developed by dev Westerland
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.	Total Cover				OBL spp. 73
	Total Cover =	0			FACW spp. 32
0 - 1 - 1 0 - 1 0 - 1	(D) (D) (C) (C) (D) (C) (D) (C) (D) (D) (D) (D) (D) (D) (D) (D) (D) (D				FAC spp. 2
	tum (Plot size: 15 ft radius)				FACU spp. 0
1. 2.					UPL spp 0
3.					Total 407 (A) 442 (P)
3. 4.					Total 107 (A) 143 (B)
5.					Describered lades D/A
6.					Prevalence Index = B/A = 1.
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes □ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes ☑ No Rapid Test for Hydrophytic Vegetation Yes ☑ No Dominance Test is > 50%
10.	Total Cover =	0			
	Total Cover =	U			
Herb Stratum (Plot	aize, E th radius)				
1.	Scirpus atrovirens	70	Υ	OBL	Yes □ ☑ No Problem Hydrophytic Vegetation (Explain) *
2.	Scirpus cyperinus	10	N	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Bidens frondosa	20	N	FACW	present, unless disturbed or problematic.
4.	Carex sp.	10	N	FAC	Definitions of Vegetation Strata:
5.	Alisma subcordatum	3	N	OBL	Definitions of Vegetation offata.
6	Rumex crispus	2	N	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Juncus effusus	2	N	FACW	height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
10.	Total Cover =	117			, , , ,
	Total Cover =	117			
Woody Vine Stratu	m (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
4.					Tryanophysio rogotation resont 12 165 12 140
5.					
J.	Total Cover =	0	•		
Remarks:	Assume Carex sp. As FAC or wetter.	U			
. Comanto.	Accume Carox op. Ac i Ac or wetter.				
Additional Rem	oorko:				
Additional Ken	Idi No.				



Project/Site: Applicant:	American E	Seaman 138 kV Trans Electric Power	smission Line P	•			ec Project #:	193704860		Date: County:	12/12/16 Adams		
Investigator #1:				Invest	igator #2:			N1/A		State:	Ohio		
Soil Unit:		t loam, 0-3 percent slop	pes	La			Classification:	N/A		Wetland ID:			
Landform: Slope (%):	hillslope 2	Latitude	e: 39.02030		cal Relief: .ongitude:		471	Dotum:	NAD83	Sample Point: Community ID:			
		tions on the site typ							No No	Section:	UPL		
		r Hydrology 🗀ign			ii: (ii no, exp		e normal circu			Township:			
		r Hydrology □hatu				Air		□ No	SCIIL:	Range:	г	Dir:	
SUMMARY OF I		Trydrology Hate	arany problem	iatic:			103	_ 140		italige.		лі. 	
Hydrophytic Veg		ent?		☑ Yes	□ No			Hydric Soils F	Present?			res ☑ No	
Wetland Hydrold				☐ Yes				Is This Samp		Vithin A Wetla		res 🗖 No	
Remarks:		nt for wetland		<u> </u>	, L 110			is this camp	ing i onit v	vitilii A vvette	and:	163 - 110	
Tromanto.	Opiana pon	nt for welland											
HYDROLOGY													
		. (0) 1.1 1/											
		tors (Check here if	indicators are	e not pres	ent):				Secondary:	B6 - Surface So	oil Crooks		
Primary:	A1 - Surface	Water			B9 - Wate	r-Stained	Leaves			B6 - Surrace So B8 - Sparsely Ve		ve Surface	
	A2 - High Wa				B13 - Aqu					B10 - Drainage	Patterns	ve danade	
	A3 - Saturation				B14 - Tru	e Aquatic F	Plants			B16 - Moss Trir	m Lines		
	B1 - Water M				C1 - Hydr					C2 - Dry Seaso			
	B2 - Sedimer						spheres on Livin	g Roots		C8 - Crayfish B			
	B3 - Drift Dep B4 - Algal Ma						educed Iron duction in Tilled	Soile		C9 - Saturation D1 - Stunted or			
	B5 - Iron Dep			ä	C7 - Thin			30113		D2 - Geomorph		13	
		on Visible on Aerial Ima	agery		Other (Ex					D3 - Shallow Ad	quitard		
										D4 - Microtopog			
									П	D5 - FAC-Neutr	ral Test		
Field Observati													
Surface Water F		☐ Yes ☑ No	Depth:	N/A	(in.)			Wetland Hyd	drology Pre	sent?	Yes 🗹 i	No	
Water Table Pre		☐ Yes ☑ No	Depth:	N/A	(in.)			Welland Hye	arology i ic		103 1	10	
Saturation Prese	ent?	☐ Yes ☑ No	Depth:	N/A	(in.)								
Describe Recorde	ed Data (stre	am gauge, monitorin	g well, aerial p	photos pre	vious insr	actions)	if available:		N/A				
	,						ii avallabic.		11//				
Remarks:	recent rains	s overnight	<u> </u>	, , , , , , , , , , , , , , , , , , ,	ovious iriop	ections),	ii avaliable.		IVA				
Remarks: SOILS	recent rains	s overnight	5 , 1		ovious inop	pections),	ii avaliable.		IVA				
SOILS						·		moderately w					
SOILS	TkA; Tilsit s	s overnight silt loam, 0-3 percer		, , , , , , , , , , , , , , , , , , ,		·	rainage Class:	moderately w					
SOILS Map Unit Name: Taxonomy (Sub	: TkA; Tilsit s group):		nt slopes			Series Dr	ainage Class:		vell drained	=Pore Lining, M=Matrix)			
SOILS Map Unit Name: Taxonomy (Sub	: TkA; Tilsit s group):	silt loam, 0-3 percer	nt slopes			Series Dr	ainage Class:		vell drained	=Pore Lining, M=Matrix)		Texture	
SOILS Map Unit Name: Taxonomy (Subprofile Descriptor) Top	TKA; Tilsit s group): tion (Describe to the	silt loam, 0-3 percer	nt slopes	nce of indicators.) Matrix		Series Dr	rainage Class:	CS=Covered/Coated Sand	Vell drained Grains; Location: PL	=Pore Lining, M=Matrix)	(e.g. cl	Texture ay, sand, loam)	
SOILS Map Unit Name: Taxonomy (Subprofile Description)	TkA; Tilsit s group): tion (Describe to th	silt loam, 0-3 percer	nt slopes	nce of indicators.) Matrix	(Type: C=Concen	Series Dr	ainage Class:	CS=Covered/Coated Sand Mottles	vell drained		· · ·	ay, sand, loam))
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth	TkA; Tilsit s group): tion (Describe to the Bottom Depth	silt loam, 0-3 percer e depth needed to document the indice Horizon	cator or confirm the abser	nce of indicators.) Matrix Moist)	(Type: C=Concen	Series Dr	rainage Class:	CS=Covered/Coated Sand Mottles %	Vell drained Grains; Location: PL Type	Location		ay, sand, loam) silt loam)
SOILS Map Unit Name: Taxonomy (Subperfile Descripe Top Depth 0	TkA; Tilsit s group): tion (Describe to the Bottom Depth 8	silt loam, 0-3 percer e depth needed to document the indice Horizon 1	cator or confirm the abser	Matrix Moist) 4/3	(Type: C=Concen	Series Dr tration, D=Deplet Col 2.5Y	rainage Class: ion, RM=Reduced Matrix, or (Moist) 5/2	CS=Covered/Coated Sand Mottles % 5	vell drained Grains; Location: PL Type D	Location M	sil	ay, sand, loam) silt loam ty clay loam)
SOILS Map Unit Name: Taxonomy (Subperfile Descripe Top Depth 0 8	TkA; Tilsit s group): tion (Describe to the Bottom Depth 8	silt loam, 0-3 percer e depth needed to document the indice Horizon 1 2	cator or confirm the abser	Matrix Moist) 4/3 5/3	(Type: C=Concen	Series Dr tration, D=Deplet Col 2.5Y 2.5Y	rainage Class: ion, RM=Reduced Matrix, or (Moist) 5/2 4/4	Mottles % 5	vell drained Grains; Location: PL Type D C	Location M PL	sil	ay, sand, loam) silt loam)
SOILS Map Unit Name: Taxonomy (Subperfile Descripe Top Depth 0 8 14	TKA; Tilsit s group): tion (Describe to the Bottom Depth 8 14 16	silt loam, 0-3 percer e depth needed to document the indice Horizon 1 2 3	Color (2.5Y 2.5Y 2.5Y	Matrix Moist) 4/3 5/3 6/3	(Type: C=Concen % 95 90 95	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y	rainage Class: or (Moist) 5/2 4/4 5/6	Mottles Mottles 5 10 5	vell drained Grains: Location: PL Type D C C	Location M PL PL	sil	ay, sand, loam) silt loam ty clay loam silty clay)
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 8 14	ETKA; Tilsit s group): tion (Describe to the Depth 8 14 16	silt loam, 0-3 percer e depth needed to document the indice Horizon 1 2 3	Color (2.5Y 2.5Y	Matrix Moist) 4/3 5/3 6/3	(Type: C=Concen	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y	rainage Class: or (Moist) 5/2 4/4 5/6	Mottles % 5 10 5	vell drained Grains: Location: PL Type D C C	Location M PL PL	sil	ay, sand, loam) silt loam ty clay loam silty clay)
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 8 14	ETKA; Tilsit s group): tion (Describe to the Depth 8 14 16	silt loam, 0-3 percer e depth needed to document the indice Horizon 1 2 3	Color (2.5Y 2.5Y	Matrix Moist) 4/3 5/3 6/3	(Type: C=Concen	Series Dr Col 2.5Y 2.5Y 2.5Y 	rainage Class: or (Moist) 5/2 4/4 5/6	Mottles	vell drained Grains: Location: PL Type D C C	Location M PL PL	sil	ay, sand, loam) silt loam ty clay loam silty clay)
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 8 14	ETKA; Tilsit s group): tion (Describe to the Depth 8 14 16	silt loam, 0-3 percer e depth needed to document the indice Horizon 1 2 3	Color (2.5Y 2.5Y	Matrix Moist) 4/3 5/3 6/3	(Type: C=Concen	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y	rainage Class: or (Moist) 5/2 4/4 5/6	Mottles % 5 10 5	vell drained Grains; Location: PL Type D C C	Location M PL PL	sil	ay, sand, loam) silt loam ty clay loam silty clay)
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 8 14	ETKA; Tilsit s group): tion (Describe to th	e depth needed to document the indice Horizon 1 2 3	Color (2.5Y 2.5Y	wee of indicators.) Matrix Moist) 4/3 5/3 6/3	(Type: C=Concen	Series Dr Col 2.5Y 2.5Y 2.5Y	rainage Class: or (Moist) 5/2 4/4 5/6	Mottles	vell drained Grains: Location: PL Type D C C	Location M PL PL	sil	ay, sand, loam) silt loam ty clay loam silty clay)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 8 14 NRCS Hydric S	ETKA; Tilsit s group): tion (Describe to th	silt loam, 0-3 percer e depth needed to document the indice Horizon 1 2 3	Color (2.5Y 2.5Y if indicators	Moisty 4/3 5/3 6/3 s are not p	(Type: C=Concen	Series Dr Col 2.5Y 2.5Y 2.5Y 	or (Moist) 5/2 4/4 5/6	Mottles	vell drained Grains; Location: PL Type D C C	Location M PL PL Indicators fo	sil!	ay, sand, loam) silt loam ty clay loam silty clay)
SOILS Map Unit Name: Taxonomy (Subprofile Descript) Top Depth 0 8 14 NRCS Hydric S	Bottom Depth 8 14 16 Soil Field Ind	e depth needed to document the indice Horizon 1 2 3	Color (2.5Y 2.5Y e if indicators S5 - Sandy F	Matrix Moist) 4/3 5/3 6/3 s are not predox	(Type: C=Concen	Series Dr Col 2.5Y 2.5Y 2.5Y	rainage Class: or (Moist) 5/2 4/4 5/6	Mottles	vell drained Grains; Location: PL Type D C C -	Location M PL PL Indicators fo	r Problematic Juck (MLRA 147)	ay, sand, loam) silt loam ty clay loam silty clay Soils ¹)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 8 14 NRCS Hydric S	TKA; Tilsit s group): tion (Describe to th	e depth needed to document the indice Horizon 1 2 3	Color (2.5Y 2.5Y if indicators	Matrix Moist) 4/3 5/3 6/3 s are not peeds Redox I Matrix	(Type: C=Concen	Series Dr Col 2.5Y 2.5Y 2.5Y	rainage Class: or (Moist) 5/2 4/4 5/6 F12 - Iror F13 - Um	Mottles	vell drained Grains: Location: PL Type D C C 3SSES (LRR N, № RA 122, 136)	Location M PL PL Indicators fo A10 - 2cm M A16 - Coast F	sil!	ay, sand, loam) silt loam ty clay loam silty clay Soils ¹)
SOILS Map Unit Name: Taxonomy (Subprofile Descript) Top Depth 0 8 14 NRCS Hydric S	TKA; Tilsit s group): tion (Describe to th Depth 8 14 16 Soil Field Inco	e depth needed to document the indice Horizon 1 2 3	Color (2.5Y 2.5Y 2.5Y	Matrix Moist) 4/3 5/3 6/3 s are not packox y if Matrix	(Type: C=Concen	Series Dr Col 2.5Y 2.5Y):	ainage Class: or (Moist) 5/2 4/4 5/6	Mottles % 5 10 5	vell drained Grains: Location: PL Type D C C 3SSES (LRR N, № RA 122, 136)	Location M PL PL Indicators fo A10 - 2cm M A16 - Coast F	sill r Problematic fluck (MLRA 147) Prairie Redox (MLI	ay, sand, loam) silt loam ty clay loam silty clay Soils ¹ RA 147, 148) (MLRA 136, 147))
SOILS Map Unit Name: Taxonomy (Subprofile Descript) Top Depth 0 8 14 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La	TKA; Tilsit s group): tion (Describe to the Depth 8 14 16 Soil Field Incompleted in the Bedon straight of the Bedon st	e depth needed to document the indice Horizon 1 2 3	Color (2.5Y 2.5Y 2.5Y E if indicators S5 - Sandy F S6 - Strippes S7 - Dark Su S8 - Polyvalu S9 - Thin Da	Matrix Moist) 4/3 5/3 6/3 s are not p Redox d Matrix urfarce urface urface	(Type: C-Concen	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y): (MLRA 147, 12	ion, RM=Reduced Matrix, i or (Moist) 5/2 4/4 5/6	Mottles % 5 10 5	vell drained Grains; Location: PL Type D C C 3SSES (LRR N, N. At 122, 136) □ I Soils (MLRA E.	Location M PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	r Problematic Auck (MLRA 147) Prairie Redox (MLI tt Floodplain Soils	ay, sand, loam) silt loam ty clay loam silty clay Soils RA 147, 148) (MLRA 136, 147) Surface)
SOILS Map Unit Name: Taxonomy (Subprofile Descript) Top Depth 0 8 14 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified L 10 - 2 cm Muck	TKA; Tilsit s group): tion (Describe to th	e depth needed to document the indice Horizon 1 2 3 dicators (check he	Color (2.5Y 2.5Y 2.5Y e if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu S9 - Thin Da F2 - Loamy (Matrix Moist) 4/3 5/3 6/3 s are not peedox difference	(Type: C-Concen	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y): (MLRA 147, 12	ion, RM=Reduced Matrix, i or (Moist) 5/2 4/4 5/6	Mottles % 5 10 5	vell drained Grains; Location: PL Type D C C 3SSES (LRR N, N. At 122, 136) □ I Soils (MLRA E.	Location M PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	r Problematic Juck (MLRA 147) Prairie Redox (MLI tt Floodplain Soils Shallow Dark	ay, sand, loam) silt loam ty clay loam silty clay Soils RA 147, 148) (MLRA 136, 147) Surface)
SOILS Map Unit Name: Taxonomy (Subprofile Descript) Top Depth 0 8 14 NRCS Hydric S 1- Histosol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10-2 cm Much	Bottom Depth 8 14 16 Soil Field Incode suyers (URR N) Selow Dark Sui	e depth needed to document the indice Horizon 1 2 3 dicators (check he	cator or confirm the abservator or confirm t	Matrix Moist) 4/3 5/3 6/3 s are not particular and the surface geleved Mat de Matrix Inface use Below Dr rk Surface Gleved Mat de Matrix Inface use Matrix Inface use Below Dr rk Surface Gleved Mat de Matrix Inface use Matr	(Type: C=Concen % 95 95 90 95	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y): (MLRA 147, 12	ion, RM=Reduced Matrix, i or (Moist) 5/2 4/4 5/6	Mottles % 5 10 5	vell drained Grains; Location: PL Type D C C 3SSES (LRR N, N. At 122, 136) □ I Soils (MLRA E.	Location M PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	r Problematic Juck (MLRA 147) Prairie Redox (MLI tt Floodplain Soils Shallow Dark	ay, sand, loam) silt loam ty clay loam silty clay Soils RA 147, 148) (MLRA 136, 147) Surface)
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 8 14 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Muck 11 - Depleted E 11 - Tbepleted E 11 - Thick Dark	Bottom Depth Bottom Depth Bottom 14 16 Soil Field Indexed on the state of the stat	Horizon Horizon 1 2 3 dicators (check here	Color (2.5Y 2.5Y 2.5Y if indicators \$5 - Sandy Fe \$6 - Strippe \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Day \$6 - Redox I \$6 - Redox I	Motrix Moisti 4/3 5/3 6/3 s are not parkedox infrace ge Below Dark Surface Gluyda Mattix Dark Surface Surface Mattix Dark Surface Surface Mattix	(Type: C=Concen % 95 95 90 95	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y): (MLRA 147, 12	ion, RM=Reduced Matrix, i or (Moist) 5/2 4/4 5/6	Mottles % 5 10 5	vell drained Grains; Location: PL Type D C C 3SSES (LRR N, N. At 122, 136) □ I Soils (MLRA E.	Location M PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	r Problematic Juck (MLRA 147) Prairie Redox (MLI tt Floodplain Soils Shallow Dark	ay, sand, loam) silt loam ty clay loam silty clay Soils RA 147, 148) (MLRA 136, 147) Surface	
SOILS Map Unit Name: Taxonomy (Subprofile Descript) Top Depth 0 8 14 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Mucht 11 - Depleted E 12 - Thick Dark 11 - Sandy Mucht 11 - Sandy Mucht 11 - Sandy Mucht	Bottom Depth 8 14 16 Soil Field Indeedon Selow Dark Sur (JER N) Below Dark Sur (S Surface K Mineral (JER N, Mineral (Horizon Horizon 1 2 3 dicators (check here	Color (2.5Y 2.5Y 2.5Y	Matrix Moist) 4/3 5/3 6/3 s are not p Redox I Matrix Irface Ire Below D rk Surface Gleved Mat d Matrix Jark Surface d Dark Surface	(Type: C=Concen % 95 90 95 present ark Surface (MLRA 147, 148) rix de face	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y): (MLRA 147, 12	ion, RM=Reduced Matrix, i or (Moist) 5/2 4/4 5/6	Mottles % 5 10 5	Vell drained Grains; Location: PL Type D C C 3SSES (LRR N, N RA 122, 136) I SOIlS (MLRA 127, 147)	Location M PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	r Problematic Juck (MLRA 147) Prairie Redox (MLR Shallow Dark sin in Remarks	ay, sand, loam) silt loam ty clay loam silty clay Soils RA 147, 148) (MLRA 136, 147) Surface	
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 8 14 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Muck 11 - Depleted E 11 - Tbepleted E 11 - Thick Dark	Bottom Depth Bottom Depth 8 14 16 Soil Field Indexedon Bulfide ayers (URR N) Below Dark Sur & Surface k Mineral (URR N, ed Matrix)	Horizon Horizon 1 2 3 dicators (check here	Color (2.5Y 2.5Y 2.5Y if indicators \$5 - Sandy Fe \$6 - Strippe \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Day \$6 - Redox I \$6 - Redox I	Matrix Moist) 4/3 5/3 6/3 6/3 s are not pedox di Matrix irface use Below Dark Surface Gleyed Mat di Matirx Dark Surface di Dark Surface Depression:	(Type: C=Concen % 95 90 95 present ark Surface (MLRA 147, 148) rix de face	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y): (MLRA 147, 12	ion, RM=Reduced Matrix, i or (Moist) 5/2 4/4 5/6	Mottles % 5 10 5	Vell drained Grains; Location: PL Type D C C	Location M PL PL Indicators fo A10 - 2cm M A10 - 2cm M TF19 - Piedmon TF12 - Very Other (Expla	r Problematic fulck (MLRA 147) Frairie Redox (MLI tt Floodplain Soils Shallow Dark ain in Remarks	ay, sand, loam) silt loam ty clay loam silty clay Soils A147, 148) (MLRA 136, 147) Surface	
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 8 14 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark 11 - Sandy Muck 4 - Sandy Muck 4 - Sandy Gley	Bottom Depth 8 14 16 Soil Field Indeedon Selow Dark Sur (JER N) Below Dark Sur (S Surface K Mineral (JER N, Mineral (Horizon Horizon 1 2 3 dicators (check here	Color (2.5Y 2.5Y 2.5Y	Matrix Moist) 4/3 5/3 6/3 s are not p Redox I Matrix Irface Ire Below D rk Surface Gleved Mat d Matrix Jark Surface d Dark Surface	(Type: C=Concen % 95 90 95 present ark Surface (MLRA 147, 148) rix de face	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y): (MLRA 147, 12	ion, RM=Reduced Matrix, i or (Moist) 5/2 4/4 5/6	Mottles % 5 10 5	Vell drained Grains; Location: PL Type D C C	Location M PL PL Indicators fo A10 - 2cm M A10 - 2cm M TF19 - Piedmon TF12 - Very Other (Expla	r Problematic Juck (MLRA 147) Prairie Redox (MLR Shallow Dark sin in Remarks	ay, sand, loam) silt loam ty clay loam silty clay Soils A147, 148) (MLRA 136, 147) Surface	
SOILS Map Unit Name: Taxonomy (Subperofile Descript) Top Depth 0 8 14 NRCS Hydric S 1- Histosol 12 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Mucket 11 - Depleted E 12 - Thick Dark 11 - Sandy Mucket 4 - Sandy Gley Restrictive Layer	Bottom Depth Bottom Depth 8 14 16 Soil Field Indexedon Bulfide ayers (URR N) Below Dark Sur & Surface k Mineral (URR N, ed Matrix)	Horizon Horizon 1 2 3 dicators (check here	Color (2.5Y 2.5Y 2.5Y	Matrix Moist) 4/3 5/3 6/3 6/3 s are not pedox di Matrix irface use Below Dark Surface Gleyed Mat di Matirx Dark Surface di Dark Surface Depression:	(Type: C=Concen % 95 90 95 present ark Surface (MLRA 147, 148) rix de face	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y): (MLRA 147, 12	ion, RM=Reduced Matrix, i or (Moist) 5/2 4/4 5/6	Mottles % 5 10 5	Vell drained Grains; Location: PL Type D C C 3SSES (LRR N, N TA 122, 136) IN SOIlS (MLRA 127, 147) If (MLRA 127, 147)	Location M PL PL Indicators fo A10 - 2cm M A10 - 2cm M TF19 - Piedmon TF12 - Very Other (Expla	r Problematic fulck (MLRA 147) Frairie Redox (MLI tt Floodplain Soils Shallow Dark ain in Remarks	ay, sand, loam) silt loam ty clay loam silty clay Soils A147, 148) (MLRA 136, 147) Surface	
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 8 14 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Much 11 - Depleted E 12 - Thick Dark 11 - Sandy Much 4 - Sandy Gley Restrictive Layer (If Observed)	Bottom Depth Bottom Depth 8 14 16 Soil Field Indexedon Bulfide ayers (URR N) Below Dark Sur & Surface k Mineral (URR N, ed Matrix)	Horizon Horizon 1 2 3 dicators (check here	Color (2.5Y 2.5Y 2.5Y	Matrix Moist) 4/3 5/3 6/3 6/3 s are not pedox di Matrix irface use Below Dark Surface Gleyed Mat di Matirx Dark Surface di Dark Surface Depression:	(Type: C=Concen % 95 90 95 present ark Surface (MLRA 147, 148) rix de face	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y): (MLRA 147, 12	ainage Class: or (Moist) 5/2 4/4 5/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 5 10 5	Vell drained Grains; Location: PL Type D C C 3SSES (LRR N, N TA 122, 136) IN SOIlS (MLRA 127, 147) If (MLRA 127, 147)	Location M PL PL Indicators fo A10 - 2cm M A10 - 2cm M TF19 - Piedmon TF12 - Very Other (Expla	r Problematic fulck (MLRA 147) Frairie Redox (MLI tt Floodplain Soils Shallow Dark ain in Remarks	ay, sand, loam) silt loam ty clay loam silty clay Soils A147, 148) (MLRA 136, 147) Surface	
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 8 14 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Much 11 - Depleted E 12 - Thick Dark 11 - Sandy Much 4 - Sandy Gley Restrictive Layer (If Observed)	Bottom Depth Bottom Depth 8 14 16 Soil Field Indexedon Bulfide ayers (URR N) Below Dark Sur & Surface k Mineral (URR N, ed Matrix)	Horizon Horizon 1 2 3 dicators (check here	Color (2.5Y 2.5Y 2.5Y	Matrix Moist) 4/3 5/3 6/3 6/3 s are not pedox di Matrix irface use Below Dark Surface Gleyed Mat di Matirx Dark Surface di Dark Surface Depression:	(Type: C=Concen % 95 90 95 present ark Surface (MLRA 147, 148) rix de face	Series Dr tration, D=Deplet Col 2.5Y 2.5Y 2.5Y): (MLRA 147, 12	ainage Class: or (Moist) 5/2 4/4 5/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 5 10 5	Vell drained Grains; Location: PL Type D C C 3SSES (LRR N, N TA 122, 136) IN SOIlS (MLRA 127, 147) If (MLRA 127, 147)	Location M PL PL Indicators fo A10 - 2cm M A10 - 2cm M TF19 - Piedmon TF12 - Very Other (Expla	r Problematic fulck (MLRA 147) Frairie Redox (MLI tt Floodplain Soils Shallow Dark ain in Remarks	ay, sand, loam) silt loam ty clay loam silty clay Soils A147, 148) (MLRA 136, 147) Surface	



Project/Site:	Ware Road - Seaman 138 kV Transmission Line Pr	oject			Wetland ID: Wetland 3 Sample Point SP 11
VEGETATION	(Charles identified in all unpersons are non-notive a	nacioa \			
	(Species identified in all uppercase are non-native sot size: 30 ft radius)	pecies.)			
Tiee Stratum (Fic	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					Definition for Norwalloc
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)
3.					, · · · · · · · · · · · · · · · · · · ·
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.					(,
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					· · · · · · · · · · · · · · · · · · ·
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0
	Total Cover =	0			FACW spp. 88 X 2 = 176
					FAC spp. 15 X 3 = 45
Sapling/Shrub Stra	atum (Plot size: 15 ft radius)				FACU spp. 0
1.					UPL spp. 0
2.					
3.					Total 103 (A) 221 (B)
4.					
5.					Prevalence Index = B/A = 2.1
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes ☐ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes ☑ ☐ No Dominance Test is > 50%
	Total Cover =	0			Yes ☑ ☐ No Prevalence Index is ≤ 3.0 *
					Yes 🔲 🗹 No Morphological Adaptations (Explain) *
	t size: 5 ft radius)				Yes 🛘 🗹 No Problem Hydrophytic Vegetation (Explain) *
1.	Elymus virginicus	70	Y	FACW	* Indicators of hydric soil and wetland hydrology must be
2.	Eupatorium perfoliatum	10	N	FACW	present, unless disturbed or problematic.
3.	Symphyotrichum pilosum	5	N	FAC	
4.	Andropogon gerardii	10	N	FAC	Definitions of Vegetation Strata:
5.	Dichanthelium clandestinum	10	N	FAC	_
6	Onoclea sensibilis	5	N	FACW	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.	Bidens frondosa	3	N	FACW	neight (DBH), regardless of neight.
8.					B. H. (B) I. Woody plants less than 2 in DDI and greater than 2.20 ft
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.					
11.					Herb - All herbaceous (non-woody) plants, regardless of size,
12.					and woody plants less than 3.28 ft. tall.
13.					
14. 15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
15.					Woody Villes - All Woody Villes greater than 6.20 ft. in neight.
	Total Cover =	113			
Woody Vine Stt-	(Plot size: 20 ft radius)				
1.	um (Plot size: 30 ft radius)				
2.					
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
4.					Tiyuropiiyilo vegetatioii i leaciit 12 165 12 100
5.					
J.	Total Cover =	0			
Remarks:	Total Cover =	U			
itemarks.					
Additional Par	narke:				
Additional Ren	iidi nə.				



Project/Site:	Ware Road -	Seaman 138 kV Transr	mission Line P	roject		Stant	ec Project #:	193704860		Date:	12/12/16	
Applicant:	American E	Electric Power								County:	Adams	
Investigator #1:	Bill Leopold	t		Invest	igator #2:	Dillon M	lcNulty			State:	Ohio	
Soil Unit:	SmD: Shelton	cta-Muse assciation, hill	v				Classification:	N/A		Wetland ID:	NON JD	
Landform:	hillslope		,	Loc	cal Relief:					Sample Point:		
Slope (%):	0	Latitudo	39.02030		ongitude:			Datum:	NAD83	Community ID:		
		tions on the site typic							No	,	Opianu	
					I ! (If no, ex					Section:		
		r Hydrology 🗀 ignit				Ar		mstances pre	sent?	Township:		
		r Hydrology □hatur	ally problem	atic?			☑ Yes	□ No		Range:		Dir:
SUMMARY OF	FINDINGS											
Hydrophytic Veg	getation Pres	ent?		✓ Yes	□ No	1		Hydric Soils I	Present?			Yes ☑ No
Wetland Hydrol	oav Present?)		☑ Yes	□ No	1		Is This Samp	olina Point V	Vithin A Wetla	and?	Yes <a> No
Remarks:		c Soils-shallow bedro	ock wet area				4		9			
rtomanto.	1 Tobiomati	o Cono orianon board	on, wor are	a at 100 01	olopo III	oongatot	4.					
111/2221221												
HYDROLOGY												
Wetland Hydro	ology Indica	tors (Check here if in	ndicators are	e not pres	ent):	J			Secondary:			
Primary					,					B6 - Surface So	oil Cracks	
√	A1 - Surface	Water			B9 - Wate	er-Stained	Leaves		1	B8 - Sparsely Ve	egetated Conc	ave Surface
	A2 - High Wa	ater Table			B13 - Aqu	uatic Fauna	a			B10 - Drainage	Patterns	
	A3 - Saturation				B14 - Tru	e Aquatic I	Plants			B16 - Moss Trir	n Lines	
	B1 - Water M					ogen Sulfi				C2 - Dry Seaso		e
	B2 - Sedimer						spheres on Livin	g Roots		C8 - Crayfish B		
	B3 - Drift Dep						educed Iron			C9 - Saturation		
	B4 - Algal Ma						duction in Tilled	Soils		D1 - Stunted or		ints
	B5 - Iron Dep	oosits on Visible on Aerial Imad				Muck Surf				D2 - Geomorph		
	B7 - Inundatio	on visible on Aeriai imaç	gery		Other (Ex	plain in Re	emarks)			D3 - Shallow Ad D4 - Microtopog		
									H	D5 - FAC-Neuti	grapriic Reliei ral Test	
										20 1710 11041		
Field Observat												
Surface Water F	Present?	Yes No	Depth:	0-1	(in.)			Wetland Hyd	drology Pr	sent?	l Yes □	No
Water Table Pre	esent?	☐ Yes ☑ No	Depth:	N/A	(in.)			wettand riye	arology i it	South:	1 103 🗀	140
Saturation Pres	ent?	☐ Yes ☑ No	Depth:	N/A	(in.)							
D 11 D 1	15		· ·		(/				N/A			
		am gauge, monitoring	ı well, aerlal p	onotos, pre	iviolis inst							
					Wiodo iiio	bections),	ii avaiiabie.		IV/A			
Remarks:	recent rains	s overnight			711000 1110	bections),	ii avallable.		IN/A			
Remarks:	recent rains	s overnight			ovioue inter	pections),	ii avaliable.		IVA			
Remarks:	recent rains	s overnight		, , , , , , , , , , , , , , , , , , ,	ovious inop	Dections),	ii avaliable.		N/A			
SOILS			n. hilly	7.				moderately w				
SOILS Map Unit Name	: SmD; Sheli	s overnight tocta-Muse assciatio	n, hilly	71				moderately w				
SOILS Map Unit Name Taxonomy (Sub	: SmD; Sheli	tocta-Muse assciatio				Series Dr	ainage Class:	-	vell drained	Para Lista M Marko		
SOILS Map Unit Name Taxonomy (Sub Profile Descrip	: SmD; Shelt group): tion (Describe to the			nce of indicators.)		Series Dr	ainage Class:	CS=Covered/Coated Sand	vell drained	.=Pore Lining, M=Matrix)		Touture
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top	: SmD; Shelt group): tion (Describe to the Bottom	tocta-Muse assciatio	tor or confirm the abser	nce of indicators.) Matrix	(Type: C=Concer	Series Dr	rainage Class:	CS=Covered/Coated Sand Mottles	Vell drained Grains; Location: PL			Texture
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	: SmD; Sheli group): tion (Describe to th Bottom Depth	tocta-Muse assciatio	tor or confirm the abser	nce of indicators.) Matrix Moist)	(Type: C=Concer	Series Dr	rainage Class:	CS=Covered/Coated Sand Mottles %	vell drained Grains; Location: PL Type	Location	(e.g. (clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top	: SmD; Shelt group): tion (Describe to the Bottom	tocta-Muse assciatio	Color (nce of indicators.) Matrix	(Type: C=Concer	Series Dr	rainage Class:	CS=Covered/Coated Sand Mottles	Vell drained Grains; Location: PL	Location M	(e.g. (
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	: SmD; Sheli group): tion (Describe to th Bottom Depth	tocta-Muse assciatio e depth needed to document the indicat Horizon	Color (nce of indicators.) Matrix Moist)	(Type: C=Concer	Series Dr	rainage Class:	CS=Covered/Coated Sand Mottles %	vell drained Grains; Location: PL Type	Location	(e.g. t	clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	: SmD; Shelt group): tion (Describe to th Bottom Depth 7	tocta-Muse assciatio depth needed to document the indicated Horizon 1	tor or confirm the abser	Matrix Moist) 6/4	(Type: C=Concer % 90	Series Dr	rainage Class: tion, RM=Reduced Matrix, 1 or (Moist) 5/4 6/1	CS=Covered/Coated Sand Mottles % 10	vell drained Grains: Location: PL Type D	Location M	(e.g. (clay, sand, loam) silty clay
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheligroup): tion (Describe to the Depth 7 16	tocta-Muse assciatio e depth needed to document the indicat Horizon 1 2	Color (2.5Y 7.5YR	Matrix Moist) 6/4 5/6	(Type: C=Concer % 90 70	Series Dr stration, D=Deplet Col 10YR 7.5YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 5/4 6/1	CS=Covered/Coated Sand Mottles % 10 30	vell drained Grains: Location: PL Type D D	Location M M	(e.g. (clay, sand, loam) silty clay silty clay
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheli group): tion (Describe to the Bottom Depth 7 16	tocta-Muse assciatio e depth needed to document the indicate Horizon 1 2	Color (2.5Y 7.5YR	Matrix Moist) 6/4 5/6	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR	rainage Class: or (Moist) 5/4 6/1	CS=Covered/Coated Sand Mottles % 10 30	vell drained Grains: Location: PL Type D D	Location M M	(e.g. (clay, sand, loam) silty clay silty clay
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheli group): tion (Describe to the Bottom Depth 7 16	tocta-Muse assciatio e depth needed to document the indicate Horizon 1 2	Color (2.5Y 7.5YR	Matrix Moist) 6/4 5/6	(Type: C=Concer	Series Dr Col 10YR 7.5YR	rainage Class: or (Moist) 5/4 6/1	CS=Covered/Coated Sand Mottles % 10 30	vell drained Grains; Location: PL Type D D	Location M M	(e.g. (clay, sand, loam) silty clay silty clay
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheli group): tion (Describe to the Bottom Depth 7 16	tocta-Muse assciatio e depth needed to document the indicate Horizon 1 2	Color (2.5Y 7.5YR	Matrix Moist) 6/4 5/6	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR	rainage Class: or (Moist) 5/4 6/1	CS=Covered/Coated Sand Mottles % 10 30	vell drained Grains: Location: PL Type D D	Location M M	(e.g. t	clay, sand, loam) silty clay silty clay
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheli group): tion (Describe to the Bottom Depth 7 16	tocta-Muse assciatio e depth needed to document the indicate Horizon 1 2	Color (2.5Y 7.5YR	Matrix Moist) 6/4 5/6	(Type: C=Concer	Series Dr Col 10YR 7.5YR	rainage Class: or (Moist) 5/4 6/1	CS=Covered/Coated Sand Mottles % 10 30	vell drained Grains; Location: PL Type D D	Location M M	(e.g. (clay, sand, loam) silty clay silty clay
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheli group): tion (Describe to the Bottom Depth 7 16 	tocta-Muse assciatio e depth needed to document the indicate Horizon 1 2	Color (2.5Y 7.5YR	Matrix Moist) 6/4 5/6	(Type: C=Concer	Series Dr Col 10YR 7.5YR	rainage Class: or (Moist) 5/4 6/1	CS=Covered/Coated Sand Mottles % 10 30	vell drained Grains; Location: PL Type D D	Location M M	(e.g. (clay, sand, loam) silty clay silty clay
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Shell group): tion (Describe to the Depth 7 16	Horizon 1 2	Color (2.5Y 7.5YR	Matrix Moist) 6/4 5/6	(Type: C=Concer	Series Dr Col 10YR 7.5YR	rainage Class: or (Moist) 5/4 6/1	CS=Covered/Coated Sand Mottles % 10 30	vell drained Grains; Location: PL Type D D	Location M M		clay, sand, loam) silty clay silty clay
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric S	: SmD; Shell group): tion (Describe to the Depth 7 16	tocta-Muse assciatio e depth needed to document the indicate Horizon 1 2	Color (2.5Y 7.5YR a if indicators	Matrix Moist) 6/4 5/6 s are not p	(Type: C=Concer	Series Dr Col 10YR 7.5YR	rainage Class: or (Moist) 5/4 6/1	CS=Covered/Coated Sand Mottles % 10 30	vell drained Grains; Location: PL Type D D	Location M M Indicators for	r Problemati	clay, sand, loam) silty clay silty clay ic Soils 1
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric S	: SmD; Shelingroup): tion (Describe to the Depth 7 16	Horizon 1 2	Color (2.5Y 7.5YR	Matrix Moist) 6/4 5/6 s are not p	(Type: C=Concer	Series Dr Col 10YR 7.5YR	rainage Class: tion, RM=Reduced Matrix, or (Moist) 5/4 6/1	CS=Covered/Costed Sand Mottles % 10 30 -	Vell drained Grains: Location: PL Type D D	Location M M Indicators for A10 - 2cm M	r Problemati	clay, sand, loam) silty clay silty clay ic Soils ¹
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 12 - Histic Epipe	: SmD; Sheligroup): tion (Describe to the Depth 7 16 Soil Field Incordance of the Depth In	Horizon 1 2	Color (2.5Y 7.5YR	Matrix Moist) 6/4 5/6 s are not peeds	(Type: C=Concer	Series Dr Col 10YR 7.5YR	or (Moist) 5/4 6/1	CS=Covered/Coated Sand Mottles % 10 30	Vell drained Grains: Location: PL Type D D	Location M M Indicators for A10 - 2cm N A16 - Coast F	r Problemati /IUCK (MLRA 147) Prairie Redox (M	clay, sand, loam) silty clay silty clay ic Soils 1
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric 3 1 - Histosol 2 - Histic Epipe 3 - Black Histic	: SmD; Sheli group): tion (Describe to th	Horizon 1 2	Color (2.5Y 7.5YR a if indicators S5 - Sandy F S6 - Stripped S7 - Dark Su	Matrix Moist) 6/4 5/6 s are not p Redox d Matrix urface	(Type: C=Concer	Series Dr Col 10YR 7.5YR):	rainage Class: or (Moist) 5/4 6/1	CS=Covered/Costed Sand Mottles % 10 30 -	vell drained Type D D	Location M M Indicators for A10 - 2 cm N A16 - Coast F F19 - Piedmon	r Problemati Muck (MLRA 147) Prairie Redox (M It Floodplain Soi	clay, sand, loam) silty clay silty clay ic Soils ¹ LRA 147, 148) Is (MLRA 136, 147)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S	: SmD; Shelingroup): tion (Describe to the Depth 7 16	Horizon 1 2	Color (2.5Y 7.5YR	Moist) 6/4 5/6 s are not percent of Matrix	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR): (MLRA 147, 1-1)	rainage Class: or (Moist) 5/4 6/1 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 30	Vell drained Grains; Location: PL Type D D	Location M M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very	r Problemati /IUCK (MLRA 147) Prairie Redox (M	clay, sand, loam) silty clay silty clay ic Soils ¹ LRA 147, 148) Is (MLRA 136, 147) s Surface
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric 3 1 - Histosol 2 - Histic Epipe 3 - Black Histic	: SmD; Shelingroup): tion (Describe to the Depth 7 16	Horizon 1 2	Color (2.5Y 7.5YR a if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu	Matrix Moist) 6/4 5/6 s are not p Redox 9 Matrix Irface Irface Irface	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR): (MLRA 147, 1-1)	rainage Class: or (Moist) 5/4 6/1 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 10 30	Vell drained Grains; Location: PL Type D D	Location M M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very	r Problemati Juck (MLRA 147) to Floodplain Soi Shallow Dark	clay, sand, loam) silty clay silty clay ic Soils ¹ LRA 147, 148) Is (MLRA 136, 147) s Surface
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric: 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La	: SmD; Shelingroup): tion (Describe to the Depth 7 16	Horizon 1 2 dicators (check here	Color (2.5Y 7.5YR if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da	Matrix Moist) 6/4 5/6 s are not peedox difference are Below Dark Surface	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR): (MLRA 147, 1-1)	rainage Class: or (Moist) 5/4 6/1 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 30	Vell drained Grains; Location: PL Type D D	Location M M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very	r Problemati Juck (MLRA 147) to Floodplain Soi Shallow Dark	clay, sand, loam) silty clay silty clay ic Soils ¹ LRA 147, 148) Is (MLRA 136, 147) s Surface
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheli group): tion (Describe to the Depth 7 16	Horizon 1 2 dicators (check here	Color (2.5Y 7.5YR a if indicators S5 - Sandy F S6 - Strippes S7 - Dark Su S9 - Thin Da F2 - Loamy 0	Matrix Moist) 6/4 5/6 s are not particular and the second of the s	(Type: C=Concer	Series Dr tration, D=Deplet Col 10YR 7.5YR): (MLRA 147, 1-1)	rainage Class: or (Moist) 5/4 6/1 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 30	Vell drained Grains; Location: PL Type D D	Location M M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very	r Problemati Juck (MLRA 147) to Floodplain Soi Shallow Dark	clay, sand, loam) silty clay silty clay ic Soils ¹ LRA 147, 148) Is (MLRA 136, 147) s Surface
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Shelingroup): tion (Describe to the Depth 7 16	Horizon 1 2 dicators (check here	Color (2.5Y 7.5YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 6/4 5/6 s are not p Redox 9 Matrix Irface Ire Below D rk Surface Gleved Mat d Matrix Jark Surface d Dark Surface	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR): (MLRA 147, 1-1)	rainage Class: or (Moist) 5/4 6/1 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 30	Vell drained Grains; Location: PL Type D D	Location M M Indicators for A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very	r Problemati Juck (MLRA 147) to Floodplain Soi Shallow Dark	clay, sand, loam) silty clay silty clay ic Soils ¹ LRA 147, 148) Is (MLRA 136, 147) s Surface
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histo Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified L 10 - 2 cm Muc 11 - Depleted I 11 - Thick Darl	: SmD; Shelingroup): tion (Describe to the Depth 7 16	Horizon 1 2 dicators (check here	Color (2.5Y 7.5YR 2 if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu S9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E	Matrix Moist) 6/4 5/6 s are not p Redox 9 Matrix Irface Ire Below D rk Surface Gleved Mat d Matrix Jark Surface d Dark Surface	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR): (MLRA 147, 1-1)	rainage Class: or (Moist) 5/4 6/1 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 30	Vell drained Grains; Location: PL Type D D	Location M M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Explain	r Problemati Juck (MLRA 147) to Floodplain Soi Shallow Dark ain in Remark	clay, sand, loam) silty clay silty clay ic Soils ¹ LRA 147, 148) Is (MLRA 136, 147) s Surface
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheligroup): tion (Describe to the Depth 7 16	Horizon 1 2 dicators (check here	Color (2.5Y 7.5YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 6/4 5/6 s are not pedox d Matrix irface us Below Dark Surface Cleyed Mat d Matirx Dark Surface d Dark Surface Depression:	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR): (MLRA 147, 1-1)	rainage Class: or (Moist) 5/4 6/1 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 30	Vell drained Grains; Location: PL Type D D	Location M M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	r Problemati //uck (MLRA 147) //uck (MLRA 147) //uck 14	clay, sand, loam) silty clay silty clay ic Soils LRA 147, 148) Is (MLRA 136, 147) c Surface s)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheligroup): tion (Describe to the Depth 7 16	Horizon 1 2 dicators (check here	Color (2.5Y 7.5YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 6/4 5/6 s are not p Redox 9 Matrix Irface Ire Below D rk Surface Gleved Mat d Matrix Jark Surface d Dark Surface	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR): (MLRA 147, 1-1)	rainage Class: or (Moist) 5/4 6/1 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 30	Vell drained Grains; Location: PL Type D D	Location M M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	r Problemati Juck (MLRA 147) to Floodplain Soi Shallow Dark ain in Remark	clay, sand, loam) silty clay silty clay ic Soils LRA 147, 148) Is (MLRA 136, 147) c Surface s)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheligroup): tion (Describe to the Depth 7 16	Horizon 1 2 dicators (check here	Color (2.5Y 7.5YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 6/4 5/6 s are not pedox d Matrix irface us Below Dark Surface Cleyed Mat d Matirx Dark Surface d Dark Surface Depression:	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR): (MLRA 147, 1-1)	rainage Class: or (Moist) 5/4 6/1 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 30	Vell drained Grains; Location: PL Type D D	Location M M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	r Problemati //uck (MLRA 147) //uck (MLRA 147) //uck 14	clay, sand, loam) silty clay silty clay ic Soils LRA 147, 148) Is (MLRA 136, 147) c Surface s)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheligroup): tion (Describe to the Depth 7 16	Horizon 1 2 dicators (check here	Color (2.5Y 7.5YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 6/4 5/6 s are not pedox d Matrix irface us Below Dark Surface Cleyed Mat d Matirx Dark Surface d Dark Surface Depression:	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR): (MLRA 147, 1-1)	rainage Class: or (Moist) 5/4 6/1 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 30	Vell drained Grains; Location: PL Type D D	Location M M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	r Problemati //uck (MLRA 147) //uck (MLRA 147) //uck 14	clay, sand, loam) silty clay silty clay ic Soils LRA 147, 148) Is (MLRA 136, 147) c Surface s)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	: SmD; Sheligroup): tion (Describe to the Depth 7 16	Horizon 1 2 dicators (check here	Color (2.5Y 7.5YR if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Deplete	Matrix Moist) 6/4 5/6 s are not pedox d Matrix irface us Below Dark Surface Cleyed Mat d Matirx Dark Surface d Dark Surface Depression:	(Type: C=Concer % 90 70	Series Dr tration, D=Deplet Col 10YR 7.5YR): (MLRA 147, 1-1)	rainage Class: or (Moist) 5/4 6/1 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 30	Vell drained Grains; Location: PL Type D D	Location M M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	r Problemati //uck (MLRA 147) //uck (MLRA 147) //uck 14	clay, sand, loam) silty clay silty clay ic Soils LRA 147, 148) Is (MLRA 136, 147) c Surface s)



Project/Site:	Ware Road - Seaman 138 kV Tra	nsmission Line Pro	oject			Wetland ID: NON JD Sample Point SP 12
VEGETATION	(Species identified in all uppercase	e are non-native sp	pecies.)			
Tree Stratum (Plo	t size: 30 ft radius)					Deminance Teet Werkeheet
1.	Species Name	-	% Cover Dor	minant 	Ind.Status	Dominance Test Worksheet
2.						Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
3.						Number of Dominant Species that are OBL, FACW, of FAC(A)
4.						Total Number of Dominant Species Across All Strata: 2 (B)
5.						Total Number of Borninant opecies Across Air otrata(5)
6.						Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.						(· -)
8.						Prevalence Index Worksheet
9.						Total % Cover of: Multiply by:
10.						OBL spp. 0
		Total Cover =	0			FACW spp. 5 x 2 = 10
						FAC spp. 80 x 3 = 240
Sapling/Shrub Stra	tum (Plot size: 15 ft radius)					FACU spp. 0 x 4 = 0
1.						UPL spp. 0
2.						
3.						Total <u>85</u> (A) <u>250</u> (B)
4.						
5.						Prevalence Index = B/A = 2.9 1
6.						
7.						
8.						Hydrophytic Vegetation Indicators:
9.						Yes No Rapid Test for Hydrophytic Vegetation
10.		T				Yes ☑ ☐ No Dominance Test is > 50%
		Total Cover =	0			Yes □ No Prevalence Index is ≤ 3.0 *
						Yes 🗆 🗷 No Morphological Adaptations (Explain) *
Herb Stratum (Plot 1.	Juncus tenuis		40	Υ	FAC	Yes ☐ ☑ No Problem Hydrophytic Vegetation (Explain) *
2.	Bidens frondosa		5	N	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Carex blanda		10	N	FAC	present, unless disturbed or problematic.
4.	Symphyotrichum pilosum		10	N	FAC	Definitions of Vegetation Strata:
5.	Setaria pumila		20	Y	FAC	Dominiono di Vogotation di ata.
6						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.						height (DBH), regardless of height.
8.						
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.						tall.
11.						
12.						Herb - All herbaceous (non-woody) plants, regardless of size,
13.						and woody plants less than 3.28 ft. tall.
14.		-				
15.						Woody Vines - All woody vines greater than 3.28 ft. in height.
		Total Cover =	85			
-	m (Plot size: 30 ft radius)					
1.						
2.						Hudranhytia Vagatatian Present CVas C Na
3.						Hydrophytic Vegetation Present ☑ Yes ☐ No
4. 5.						
ე.		Total Cover =	0			
Remarks:		i otal Covel =	U			
Tomarks.						
<u> </u>						
Additional Ren	narke:					
Additional Ren	ıaı nə.					



Project/Site: Applicant: Investigator #1: Soil Unit: Landform: Slope (%):	American E Eric Parket Shelocta-Bro hillslope 40	wnsville association, ste Latitude:	ep 39.03577	Invest Loc	al Relief: ongitude:	Abigail I VI/WWI Convex -83.263	Classification:		NAD83	Date: County: State: Wetland ID: Sample Point: Community ID:	SP 13
		itions on the site typic			r? (If no, exp				No	Section:	
		or Hydrology □signif				Ar	e normal circu Yes		sent?	Township:	5.
SUMMARY OF F		or Hydrology □hatur	ally problem	atic?			₩ Yes	□ N0		Range:	Dir:
Hydrophytic Veg		ent?		✓ Yes	□ No			Hydric Soils I	Present?		☐ Yes ☑ No
Wetland Hydrold				☐ Yes				Is This Samp		Vithin A Wetla	
Remarks:											
LIVERGLOOV											
HYDROLOGY			" .								
Primary:	A1 - Surface A2 - High Wa A3 - Saturati B1 - Water N B2 - Sedimer B3 - Drift De B4 - Algal Ma B5 - Iron Dep B7 - Inundati	ater Table on Marks nt Deposits posits at or Crust		e not pres	B9 - Wate B13 - Aqu B14 - True C1 - Hydre C3 - Oxidi C4 - Prese	atic Fauna e Aquatic ogen Sulfic zed Rhizo ence of Re ent Iron Re Muck Surf	a Plants de Odor spheres on Livin educed Iron eduction in Tilled face			B10 - Drainage B16 - Moss Trii C2 - Dry Seaso C8 - Crayfish B C9 - Saturation	egetated Concave Surface Patterns m Lines on Water Table Surrows i Visible on Aerial Imagery s Stressed Plants nic Position quitard graphic Relief
Field Observati Surface Water F Water Table Pre Saturation Prese	Present?	Yes V No Yes V No No	Depth: Depth: Depth:	N/A N/A N/A	(in.) (in.) (in.)			Wetland Hyd	drology Pre	esent?]Yes ☑ No
Describe Recorde	ed Data (stre	am gauge, monitoring	well, aerial p	hotos, pre	vious insp	ections),	if available:		N/A		
Remarks:											
SOILS											
	Shelocta-B	rownsville associatio	n. steep		5	Series Dr	ainage Class:	well drained			
Taxonomy (Sub	group):						V				
		ne depth needed to document the indicat	or or confirm the absen		(Type: C=Concent	ration, D=Deple	tion, RM=Reduced Matrix, 0		Grains; Location: PL	=Pore Lining, M=Matrix)	
Тор	Bottom		0 1 (Matrix	0/	0.1	(8.4 : 1)	Mottles	-		Texture
Depth 0	Depth	Horizon 1	Color (I	VIOIST) 5/4	100		or (Moist)	%	Type 	Location	(e.g. clay, sand, loam)
11	11 20	2	10YR 10YR	6/6	100						silt loam silty clay loam
1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark 1 - Sandy Muck 4 - Sandy Gley	don ulfide lyers ((LRR N) Below Dark Su Surface K Mineral (LRR N		S5 - Sandy R S6 - Stripped S7 - Dark Sul S8 - Polyvalu S9 - Thin Dar F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	dedox Matrix Inface Below Dark Surface Gleyed Matrix Dark Surface Jack Surface	ark Surface MLRA 147, 148) rix e ace		☐ F13 - Um ☐ F19 - Pie	n-Manganese Ma bric Surface (MLR dmont Floodplain d Parent Materia	RA 122, 136) E In Soils (MLRA E E II (MLRA 127, 147)	A10 - 2cm M A16 - Coast F F19 - Piedmor TF12 - Very Other (Expla	or Problematic Soils 1 Muck (MLRA 147) Prairie Redox (MLRA 147, 148) nt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface ain in Remarks)
Restrictive Layer (If Observed)	Туре:	N/A		Depth:	N/A			Hydric Soil I			Yes No
Remarks:											



Project/Site:	Ware Road - Seaman 138 kV Transmission Line Pr	roject			Wetland ID: Wetland 4 Sample Point SP 13
VEGETATION	(Species identified in all uppercase are non-native s	species.)			
Tree Stratum (Plo	t size: 30 ft radius)				
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:3(A)
3.					
4.					Total Number of Dominant Species Across All Strata:4 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: .0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 = 0
-	Total Cover =	0			FACW spp. 25
					FAC spp. 63 X 3 = 189
Sapling/Shrub Stra	atum (Plot size: 15 ft radius)				FACU spp. 25
1.					$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2.					
3.					Total 113 (A) 339 (B)
4.					10tal 113 (A) 338 (B)
5.					Description D/A
5. 6.					Prevalence Index = B/A =
7.					Hudrophytia Varatation Indicators
8.					Hydrophytic Vegetation Indicators:
9.					Yes ☐ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes ☑ ☐ No Dominance Test is > 50%
	Total Cover =	0			Yes ☑ ☐ No Prevalence Index is ≤ 3.0 *
					Yes ☐ ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Plo	·				Yes □ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Dichanthelium clandestinum	40	Υ	FAC	* Indicators of hydric soil and wetland hydrology must be
2.	Packera aurea	20	Υ	FACW	present, unless disturbed or problematic.
3.	Symphyotrichum pilosum	20	Υ	FAC	F
4.	Solidago canadensis	20	Υ	FACU	Definitions of Vegetation Strata:
5.	Poa palustris	5	N	FACW	
6	Polemonium reptans	3	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Athyrium angustum	3	N	FAC	height (DBH), regardless of height.
8.	Prunella vulgaris	2	N	FACU	
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
15.					Woody Villes - 7 iii Woody Villos grouter than 5.25 th iii Nogiti.
	Total Cover =	113			
144 1 1 2 2	(2)				
	ım (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
4.					
5.					
	Total Cover =	0			
Remarks:					
Additional Ren	narks:				



Are Vegetation [American E Eric Parker Shelocta-Bro Swale 20 rologic condi 7, Soil	wnsville association, st	eep 39.03583 ical for this ti ificantly distu	Low	cal Relief: ongitude:	Abigail I WI/WWI Linear c -83.263	Classification: concave 53 rks)	Datum: ☑ Yes □ Imstances pres		Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range:	SP 14 PEM		
Hydrophytic Veg Wetland Hydrolo				✓ Yes				Hydric Soils F		V:th::- A \A/atla	☑ Yes		
Remarks:		ar wetland, inlet an	d outlet is a U		5 L 100			is this Samp	illig Politi v	vitilii A vvetia	and? 🔼 Yes	s ■ No	
HYDROLOGY Wetland Hydro	logy Indica	tors (Check here if	indicators are	e not nres	sent):				Secondary:				
Primary:	A1 - Surface A2 - High Wa A3 - Saturati B1 - Water M B2 - Sedimer B3 - Drift Dep B4 - Algal Ma B5 - Iron Dep	Water ter Table on larks tt Deposits oosits tt or Crust			B9 - Wate B13 - Aqu B14 - Tru C1 - Hydr C3 - Oxid C4 - Pres C6 - Rece C7 - Thin	er-Stained uatic Fauna e Aquatic I ogen Sulfic ized Rhizo ence of Re	a Plants de Odor spheres on Livin educed Iron eduction in Tilled face			B10 - Drainage B16 - Moss Trir C2 - Dry Seaso C8 - Crayfish B C9 - Saturation	egetated Concave S Patterns n Lines n Water Table urrows Visible on Aerial I Stressed Plants ic Position quitard graphic Relief		
Field Observati Surface Water F Water Table Pre Saturation Prese Describe Recorde	Present? esent? ent?	☐ Yes ☑ No ☐ Yes ☑ No ☑ Yes ☐ No am gauge, monitorin	Depth: Depth: Depth: g well, aerial p	N/A 0	(in.) (in.) (in.)	pections),	if available:	Wetland Hyd	irology Pre	esent? 🗵	l Yes □ No		
Remarks:	Surface wa	ter runoff from drav	v to south, no	associat	ed water t	able in a	uger pit.						
SOILS Map Unit Name:	Shelocta-B	rownsville associati	on, steep			Series Dr	ainage Class:	well drained					
Taxonomy (Subj													
	1	e depth needed to document the indic	ator or confirm the abser		(Type: C=Concer	tration, D=Deplet	tion, RM=Reduced Matrix,		Grains; Location: PL	=Pore Lining, M=Matrix)			
Top	Bottom	Hariman	Color (Matrix	T 0/	Cal	au (Maiat)	Mottles	T	Lasation		exture sand, loam	.\
Depth 0	Depth 9	Horizon 1	2.5Y	5/2	% 70	10YR	or (Moist) 4/6	% 30	Type C	Location M	` ` ` ` ` ` ` ` `	lay loam	<u>) </u>
9	20	2	2.5Y	6/2	60	10TR	5/8	40	C	M		y clay	
			2.01								Sili	.y ciay 	
1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark 1 - Sandy Muck 4 - Sandy Gleye	don ulfide lyers ((LRR N) Below Dark Sui Surface (Mineral (LRR N,		e if indicators \$5 - Sandy F \$6 - Strippee \$7 - Dark St. \$8 - Polyval. \$9 - Thin Da \$7 - Loamy 6 \$7 - Redox I \$7 - Deplete \$8 - Redox I	Redox d Matrix urface ue Below D urk Surface Gleyed Mat d Matirx Dark Surfac d Dark Sur	ark Surface (MLRA 147, 148 rrix ce face		☐ F13 - Um ☐ F19 - Pie	n-Manganese Ma hbric Surface MLR edmont Floodplain d Parent Materia	122, 136) En Soils (MLRA E L L I (MLRA 127, 147)	A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	or Problematic Sc fluck (MLRA 147) Prairie Redox (MLRA 14 t Floodplain Soils (MLI Shallow Dark Sur ain in Remarks)	i7, 148) RA 136, 147) face	oblematic.
Restrictive Layer (If Observed)	Туре:	N/A		Depth:	N/A			Hydric Soil F	Present?	J	Yes □ No		
Remarks:													



Project/Site:	Ware Road - Seaman 138 kV Transmission Line	Project			Wetland ID: Wetland 4 Sample Point SP 14
VEGETATION	(Species identified in all uppercase are non-native	species.)			
Tree Stratum (Plo	t size: 30 ft radius)				
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:1 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.				-	
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0
	Total Cover	= 0			FACW spp. 32 X 2 = 64
					FAC spp. 63 X 3 = 189
Sapling/Shrub Stra	atum (Plot size: 15 ft radius)				FACU spp. 2 x 4 = 8
1.					UPL spp. 7
2.					···
3.					Total 104 (A) 296 (B)
4.					(-)
5.					Prevalence Index = B/A =
6.					Trovalorido inidox = 5/11 =
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes □ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes ☑ ☐ No Dominance Test is > 50%
10.	Total Cover:				Yes ☑ No Prevalence Index is ≤ 3.0 *
	Total Cover	= 0			
Lie ele Carrettura (Die	t since E ft modium)				' ' ' ' ' ' '
Herb Stratum (Plo		60	Υ	FAC	Yes □ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Dichanthelium clandestinum				* Indicators of hydric soil and wetland hydrology must be
2. 3.	Scirpus cyperinus	20	N	FACW	present, unless disturbed or problematic.
	Eutrochium maculatum	10	N	FACW	Definitions of Visualistics Office
4.	Packera anonyma	7	N	UPL	Definitions of Vegetation Strata:
5.	Athyrium angustum	3	N	FAC	T
6	Polystichum acrostichoides	2	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.	Ludwigia alternifolia	2	N	FACW	noight (BBH), regulatess of height.
8.					Out the VOL 1 Weeds plants lose than 2 in DDH and greater than 2.29 ft
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.					
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover	= 104			
Woody Vine Stratu	ım (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
4.					
5.					
	Total Cover	= 0			
Remarks:					
-					
Additional Ren	narks:				
Additional Ref	nui no.				



						0	D :	100701000		ъ.	40/44/40		
Project/Site:		Seaman 138 kV Transn	nission Line Pr	roject		Stant	ec Project #:	193704860		Date:	12/11/16		
Applicant:		Electric Power		las ca at	: #O.	Dan Cal				County:	Pike Ohio		
Investigator #1: Soil Unit:				invest	igator #2:		classification:	NI/A		State: Wetland ID:			
		wnsville association, ste	ер					IN/A)	
Landform:	Side slope ~0	Latitudo	39.04974		al Relief:			Dotum	NAD83	Sample Point:			
Slope (%):		tions on the site typic			ongitude:				No No	Community ID:	PEW		
					I! (If no, exp		rks) e normal circu			Section:			
		r Hydrology □signif r Hydrology □hatur				AIG	e normal circu	_ '	Sent	Township:		D:	
SUMMARY OF F		nyurology Lialur	ally problem	alic?			E Tes	□ 140		Range:		Dir:	
		a.m.t.O		□ Vaa	□ No			Lludvia Caila I	Duccout			Vac 🗆	Ma
Hydrophytic Veg				✓ Yes				Hydric Soils I		V:4b: 0 \0/o4le			No
Wetland Hydrolo Remarks:	gy Present?			₩ Yes	□ No			is This Samp	oling Point v	Vithin A Wetla	and? 🔟	Yes	No
Remarks:													
HYDROLOGY													
Wetland Hydro	logy Indica	tors (Check here if in	ndicators are	e not pres	ent):				Secondary:				
Primary:				_						B6 - Surface So			
	A1 - Surface				B9 - Wate					B8 - Sparsely V		ave Surface	
V	A2 - High Wa A3 - Saturation				B13 - Aqu B14 - True					B10 - Drainage B16 - Moss Trii			
	B1 - Water M			7	C1 - Hydr					C2 - Dry Seaso		Α.	
	B2 - Sedimer						spheres on Livin	g Roots		C8 - Crayfish B			
	B3 - Drift Dep						educed Iron	3		C9 - Saturation	Visible on Ae		
	B4 - Algal Ma						duction in Tilled	Soils		D1 - Stunted or		ints	
	B5 - Iron Dep			V	C7 - Thin					D2 - Geomorph			
	B7 - Inundation	on Visible on Aerial Imag	gery		Other (Ex	plain in Re	marks)		님	D3 - Shallow Ao D4 - Microtopoo	quitard		
										D5 - FAC-Neut			
Field Observed											101 1001		
Field Observati													
Surface Water P		☑ Yes □ No	Depth:		(in.)			Wetland Hyd	drology Pre	esent?	I Yes □	No	
Water Table Pre		☑ Yes □ No	Depth:		(in.)			,	3,				
Saturation Prese	ent?	☑ Yes □ No	Depth:		(in.)								
Describe Recorde	ed Data (stre	am gauge, monitoring	well, aerial p	hotos pre	vious inon	٠. ١			A I / A				
					vious irisp	ections),	ıt avallable:		N/A				
Remarks:		gg-,	,,	notos, pro	vious irisp	ections),	if available:		N/A				
Remarks:	•	gg-, <u>g</u>		710t03, pro	vious irisp	ections),	if available:		N/A				
				логоз, рго	vious irisp	ections),	if available:		N/A				
SOILS	Sholocta-R			notos, pro	·	,,,		modoratolyw					
SOILS Map Unit Name:		rownsville associatio		niotos, pre	·	,,,	ir available:	moderately w					
SOILS Map Unit Name: Taxonomy (Subg	group):	rownsville associatio	n, steep			Series Dr	ainage Class:	•	vell drained				
SOILS Map Unit Name: Taxonomy (Subo	group): ion (Describe to th		n, steep	ice of indicators.)		Series Dr	ainage Class:	CS=Covered/Coated Sand	vell drained	=Pore Lining, M=Matrix)	T	Touture	
SOILS Map Unit Name: Taxonomy (Subg Profile Descript	group): tion (Describe to the Bottom	rownsville associatio	n, steep	nce of indicators.) Matrix	(Type: C=Concen	Series Dr	ainage Class:	CS=Covered/Coated Sand Mottles	Vell drained Grains; Location: PL		(0.0.4)	Texture	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth	group): tion (Describe to the Bottom Depth	rownsville associatio e depth needed to document the indicated Horizon	on, steep	nce of indicators.) Matrix Moist)	(Type: C=Concent	Series Dr	ainage Class: ion, RM=Reduced Matrix. or (Moist)	CS=Covered/Coated Sand Mottles %	vell drained Grains; Location: PL Type	Location	(e.g. (clay, sand, loa	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): ion (Describe to the Bottom Depth	rownsville associatio e depth needed to document the indicat Horizon 1	or or confirm the absent	Matrix Moist) 2.5/N	(Type: C=Concen	Series Dr	ainage Class:	CS=Covered/Coated Sand Mottles	Vell drained Grains; Location: PL		(e.g.	clay, sand, loa clay	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): tion (Describe to the Bottom Depth 6 6	rownsville associatio e depth needed to document the indicat Horizon 1	n, steep cor or confirm the absentation of the state of	Matrix Moist) 2.5/N 5/1	(Type: C=Concent % 30 50	Series Dr	ainage Class: ion, RM=Reduced Matrix, (or (Moist)	CS=Covered/Coated Sand Mottles %	vell drained Grains; Location: PL Type	Location 	(e.g. (clay, sand, loa clay clay	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0	group): ion (Describe to the Bottom Depth 6 6 6	rownsville associatio e depth needed to document the indicat Horizon 1 1	or or confirm the absent	Matrix Moist) 2.5/N	(Type: C=Concen	Series Dr	ainage Class: ion, RM=Reduced Matrix, or (Moist)	CS=Covered/Coated Sand Mottles %	vell drained Grains; Location: PL Type	Location 	(e.g. (clay, sand, loa clay	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0	group): tion (Describe to the Bottom Depth 6 6 6 12	rownsville associatio e depth needed to document the indicat Horizon 1	n, steep cor or confirm the absentation of the steep to	Matrix Moist) 2.5/N 5/1	(Type: C=Concent % 30 50	Series Dr	ainage Class: ion, RM=Reduced Matrix, (or (Moist)	CS=Covered/Coated Sand Mottles %	vell drained Grains; Location: PL Type	Location 	(e.g. t	clay, sand, loa clay clay	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0	group): ion (Describe to the Bottom Depth 6 6 6	rownsville associatio e depth needed to document the indicat Horizon 1 1	n, steep co or confirm the absentation of the steep of t	Matrix Moist) 2.5/N 5/1 3/6	(Type: C=Concern	Series Dr tration, D=Deplet Col	ainage Class: ion, RM=Reduced Matrix, or (Moist) 4/6	CS=Covered/Coated Sand Mottles % 10	vell drained Grains: Location: PL Type C	Location M	(e.g.	clay, sand, loa clay clay clay	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 0 6	group): tion (Describe to the Bottom Depth 6 6 6 12	rownsville associatio e depth needed to document the indicat Horizon 1 1 2	n, steep co or confirm the absentation of the steep of t	Matrix Moist) 2.5/N 5/1 3/6 6/1	(Type: C=Concent) % 30 50 10 60	Series Dr tration, D=Deplet Col	ainage Class: ion, RM=Reduced Matrix, or (Moist) 4/6	CS=Covered/Coated Sand Mottles % 10	vell drained Grains: Location: PL Type C	Location M	(e.g. (clay, sand, loa clay clay clay clay	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 0 6	Broup): Sion (Describe to the Bottom Depth 6 6 6 12 12	rownsville associatio e depth needed to document the indicat Horizon 1 1 2 2	n, steep Color (I N 10Y 10YR 5GY N	ce of indicators.) Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N	(Type: C=Concern 96 30 50 10 60 10	Series Dr tration, D=Deplet Col 10YR	ainage Class: ion, RM=Reduced Matrix, for (Moist) 4/6	CS=Covered/Coated Sand Mottles %6 10	vell drained Grains; Location: PL Type C	Location M	(e.g. (clay, sand, loa clay clay clay clay clay	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 6 6	group): ition (Describe to the Depth 6 6 6 12 12	rownsville associatio e depth needed to document the indicate Horizon 1 1 2 2	n, steep Color (I N 10Y 10YR 5GY N	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N	(Type: C=Concern	Series Dr tration, D=Deplete Col	ainage Class: ion, RM=Reduced Matrix, (or (Moist) 4/6	CS=Covered/Coated Sand Mottles % 10	vell drained Grains: Location: PL Type C	Location M	(e.g. (clay, sand, loa clay clay clay clay clay	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 6 6	Bottom Depth 6 6 6 12 12	rownsville associatio e depth needed to document the indicate to the indicate	n, steep cor or confirm the absentation of the steep coron co	bee of indicators.) Matrix Moisty 2.5/N 5/1 3/6 6/1 2.5/N	(Type: C=Concent	Series Dr tration, D=Deplet Col 10YR	ainage Class: ion, RM=Reduced Matrix, (or (Moist) 4/6	CS=Covered/Coated Sand Mottles % 10	vell drained Grains: Location: PL Type C	Location M		clay, sand, loa clay clay clay clay clay	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 6 6	Bottom Depth 6 6 6 12 12	rownsville associatio e depth needed to document the indicate Horizon 1 1 2 2	Color (IN 10YR 10YR 5GY N 10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Matrix Moisty 2.5/N 5/1 3/6 6/1 2.5/N s are not p	(Type: C=Concent	Series Dr tration, D=Deplete Col	ainage Class: ion, RM=Reduced Matrix, or (Moist) 4/6	CS=Covered/Coated Sand Mottles % 10	vell drained Grains; Location: PL Type	Location M Indicators for	or Problemat	clay, sand, loa clay clay clay clay clay clay clay cla	am)
SOILS Map Unit Name: Taxonomy (Subgen Frofile Description Control Con	group): ion (Describe to the Depth 6 6 6 12 12	rownsville associatio e depth needed to document the indicate to the indicate	n, steep cor or confirm the absentation of the steep coron co	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N s are not p.	(Type: C=Concent	Series Dr tration, D=Deplet Col 10YR	ainage Class: ion, RM=Reduced Matrix, or (Moist) 4/6	CS=Covered/Coated Sand Mottles % 10	vell drained Grains; Location: PL Type C	Location M Indicators for A10 - 2cm M		clay, sand, loa clay clay clay clay clay clay clay cla	am)
SOILS Map Unit Name: Taxonomy (Subgen Frofile Description Company Com	Bottom Depth 6 6 6 12 12 Soil Field Inc.	rownsville associatio e depth needed to document the indicate to the indicate	n, steep Color (I N 10Y 10YR 5GY N if indicators \$5 - Sandy R	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N s are not peedox I Matrix	(Type: C=Concent	Series Dr tration, D=Deplet Col 10YR	ainage Class: ion, RM=Reduced Matrix, or (Moist) 4/6	CS=Covered/Costed Sand Mottles % 10	vell drained Grains: Location: PL Type C	Location M Indicators for A10 - 2 cm fills A16 - Coast fills F19 - Piedmor	or Problemat Muck (MLRA 147) Prairie Redox (M tt Floodplain Soi	clay, sand, loa clay clay clay clay clay clay clay cla	am)
SOILS Map Unit Name: Taxonomy (Subgen Frofile Description Control of the Control	group): ion (Describe to the Depth 6 6 6 6 12 12 5 oil Field Income Depth 6 6 6 6 6 6 1 12 12 12 12 12 12 15 6 15 6	rownsville associatio e depth needed to document the indicate to the indicate	n, steep Color (I N 10Y 10YR 5GY N if indicators S5 - Sandy R S6 - Stripped S7 - Dark Su S8 - Polyvalu	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N s are not peeds # Matrix	(Type: C=Concen	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10	Vell drained Grains; Location: PL Type C 33SSES (LRR N, № A122, 136) □ In Soils (MLRA E	Location M Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor	or Problemat Muck (MERA 147) Prairie Redox (M ht Floodplain Soi Shallow Dark	clay, sand, loa clay clay clay clay clay clay clay cla	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 6 6 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 4 - Hydrogen S 5 - Stratified La	group): ion (Describe to the Depth 6 6 6 12 12	rownsville associatio e depth needed to document the indicate to the indicate	Color (I N 10Y 10YR 5GY N if indicators \$5 - Sandy R \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Dar	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N 3 are not predox limited by the second secon	(Type: C=Concern 9% 30 50 10 60 10 present	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 4/6 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 10	Vell drained Grains; Location: PL Type C 33SSES (LRR N, № A122, 136) □ In Soils (MLRA E	Location M Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor	or Problemat Muck (MLRA 147) Prairie Redox (M tt Floodplain Soi	clay, sand, loa clay clay clay clay clay clay clay cla	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 6 6 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic V 4 - Hydrogen S 5 - Stratiffed Late 10 - 2 cm Muck	group): ion (Describe to the Depth 6 6 6 6 12 12	rownsville associatio e depth needed to document the indicate Horizon 1 1 2 2 dicators (check here	n, steep Color (I N 10Y 10YR 5GY N if indicators \$5 - Sandy R \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Dar F2 - Loamy (C	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N s are not peedox Matrix Moist) 6 deformation of peedox Matrix Moist	(Type: C=Concern 9% 30 50 10 60 10 present	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10	Vell drained Grains; Location: PL Type C 33SSES (LRR N, № A122, 136) □ In Soils (MLRA E	Location M Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor	or Problemat Muck (MERA 147) Prairie Redox (M ht Floodplain Soi Shallow Dark	clay, sand, loa clay clay clay clay clay clay clay cla	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 6 6 6 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratiffied La 10 - 2 cm Muck 11 - Depleted B	Bottom Depth 6 6 6 12 12 Soil Field Ind don utifide yers (CRR N) Selow Describe to the	rownsville associatio e depth needed to document the indicate Horizon 1 1 2 2 dicators (check here	n, steep Color (I N 10Y 10YR 5GY N if indicators \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu \$8 - Polyvalu \$7 - Loamy (I F3 - Depleted	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N s are not particular fractions of the second particular fractions of the sec	(Type: C=Concern % 30 50 10 60 10 present	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10	Vell drained Grains; Location: PL Type C 33SSES (LRR N, № A122, 136) □ In Soils (MLRA E	Location M Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor	or Problemat Muck (MERA 147) Prairie Redox (M ht Floodplain Soi Shallow Dark	clay, sand, loa clay clay clay clay clay clay clay cla	am)
SOILS Map Unit Name: Taxonomy (Subgen Frofile Description of the Company of the	group): ion (Describe to the Depth 6 6 6 6 12 12 5 iol Field Income don ulfide yers (LRR N) below Dark Surface	rownsville associatio e depth needed to document the indicat Horizon 1 1 2 2 dicators (check here	n, steep Color (I N 10Y 10YR 5GY N if indicators S5 - Sandy R S5 - Stripped S7 - Dark Su S8 - Polyvalu S9 - Thin Dar F2 - Loamy C F3 - Depleted F6 - Redox D	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N s are not pledox if Matrix ifface lee Below Dark Surface (solved Matrix Dark Surface) Dark Surface Dark Surface Dark Surface	(Type: C=Concen 96 30 50 10 10 oresent ark Surface MLRA 147, 148) ix	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10	Vell drained Grains; Location: PL Type C 33SSES (LRR N, № A122, 136) □ In Soils (MLRA E	Location M Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor	or Problemat Muck (MERA 147) Prairie Redox (M ht Floodplain Soi Shallow Dark	clay, sand, loa clay clay clay clay clay clay clay cla	am)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 6 6 6 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratiffied La 10 - 2 cm Muck 11 - Depleted B	group): ion (Describe to the Depth 6 6 6 6 12 12 12	rownsville associatio e depth needed to document the indicat Horizon 1 1 2 2 dicators (check here	n, steep Color (I N 10Y 10YR 5GY N if indicators \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu \$8 - Polyvalu \$7 - Loamy (I F3 - Depleted	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N 3 are not preduced Matrix ifface le Below Dark Surface of Matrix Dark Surface d' Dark Surface	(Type: C=Concern 9% 30 50 10 60 10 present ark Surface MLRA 147, 148) ix e acce	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 4/6 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Costed Sand Mottles % 10	rell drained Grains; Location: PL Type C 3SSES (LRR N, N. A. 22, 136) In Soils (MLRA 127, 147)	Location M Indicators for A10 - 2cm M A16 - Coast F F19 - Piedmor	or Problemat Muck (MERA 147) Prairie Redox (M ht Floodplain Soi Shallow Dark ain in Remark	clay, sand, loa clay clay clay clay clay clay clay cla	
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 6 6 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark 1 - Sandy Muck	group): ion (Describe to the Depth 6 6 6 6 12 12 12	rownsville associatio e depth needed to document the indicat Horizon 1 1 2 2 dicators (check here	Color (I N 10Y 10YR 5GY N if indicators \$5 - Sandy R \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Dar F2 - Loamy (I F3 - Depleted F6 - Redox D F7 - Depleted	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N 3 are not preduced Matrix ifface le Below Dark Surface of Matrix Dark Surface d' Dark Surface	(Type: C=Concern 9% 30 50 10 60 10 present ark Surface MLRA 147, 148) ix e acce	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 4/6 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Costed Sand Mottles % 10	Vell drained Grains; Location: PL Type C 3SSES (LRR N, N. A122, 136)	Location M Indicators fc A10 - 2cm M A16 - Coast f F19 - Piedmor TF12 - Very Other (Expla	or Problemat Muck (MERA 147) Prairie Redox (M ht Floodplain Soi Shallow Dark ain in Remark	clay, sand, loaclay clay clay clay clay clay clay clay	
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 6 6 6 NRCS Hydric S 1- Histosol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10- 2 cm Muck 11- Depleted E 12- Thick Dark 11- Sandy Muck 4- Sandy Gleyt Restrictive Layer (If Observed)	group): ion (Describe to the Depth 6 6 6 6 12 12 5 oil Field Incomplete (LRR N) below Dark Surface to Martix	rownsville associatio e depth needed to document the indicat Horizon 1 1 2 2 dicators (check here	Color (I N 10Y 10YR 5GY N if indicators \$5 - Sandy R \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Dar F2 - Loamy (I F3 - Depleted F6 - Redox D F7 - Depleted	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N s are not pledox I Matrix rface ele Below Dark Surface de Matrix Dark Surface do Dark Surface de Dark Surf	(Type: C=Concern 9% 30 50 10 60 10 present ark Surface MLRA 147, 148) ix e acce	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10	Vell drained Grains; Location: PL Type C 3SSES (LRR N, N. A122, 136)	Location M Indicators fc A10 - 2cm M A16 - Coast f F19 - Piedmor TF12 - Very Other (Expla	or Problemat Muck (MERA 147) Prairie Redox (M ht Floodplain Soi Shallow Dark ain in Remark	clay, sand, loaclay clay clay clay clay clay clay clay	
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 0 6 6 6 NRCS Hydric S 1- Histicsol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10- 2 cm Muck 11- Depleted E 12- Thick Dark 11- Sandy Muck 4- Sandy Gleye Restrictive Layer	group): ion (Describe to the Depth 6 6 6 6 12 12 5 oil Field Incomplete (LRR N) below Dark Surface to Martix	rownsville associatio e depth needed to document the indicat Horizon 1 1 2 2 dicators (check here	Color (I N 10Y 10YR 5GY N if indicators \$5 - Sandy R \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Dar F2 - Loamy (I F3 - Depleted F6 - Redox D F7 - Depleted	Matrix Moist) 2.5/N 5/1 3/6 6/1 2.5/N s are not pledox I Matrix rface ele Below Dark Surface de Matrix Dark Surface do Dark Surface de Dark Surf	(Type: C=Concern 9% 30 50 10 60 10 present ark Surface MLRA 147, 148) ix e acce	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 4/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10	Vell drained Grains; Location: PL Type C 3SSES (LRR N, N. A122, 136)	Location M Indicators fc A10 - 2cm M A16 - Coast f F19 - Piedmor TF12 - Very Other (Expla	or Problemat Muck (MERA 147) Prairie Redox (M ht Floodplain Soi Shallow Dark ain in Remark	clay, sand, loaclay clay clay clay clay clay clay clay	



Project/Site:	Ware Road - Seaman 138 kV Transmission L	ine Project			Wetland ID: Wetland 5 Sample Point SP 15
VEGETATION	(Species identified in all uppercase are non-na	ative species.)			
Tree Stratum (Plo	ot size: 30 ft radius)				
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:1 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 = 0
	Total Cov	ver = 0			FACW spp. 10 X 2 = 20
					FAC spp. 0 x 3 = 0
Sapling/Shrub Stra	atum (Plot size: 15 ft radius)				FACU spp. 0 x 4 = 0
1.					UPL spp. 0 x 5 = 0
2.					···
3.					Total 10 (A) 20 (B)
4.					(-)
5.					Prevalence Index = B/A = 2.000
6.					1104alolio Iliaox - 2/11 - 2/00
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes \(\square\) No Rapid Test for Hydrophytic Vegetation
10.					Yes ☑ ☐ No Dominance Test is > 50%
10.	Total Cov				Yes ☑ No Prevalence Index is ≤ 3.0 *
	Total Cov	vei = 0			
Lie ele Carrettura (Die	toine. Et andion				
Herb Stratum (Plo	Juncus effusus	5	Υ	FACW	Yes □ □ No Problem Hydrophytic Vegetation (Explain) *
2.		3	N	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Scirpus cyperinus Poa palustris	2	N	FACW	present, unless disturbed or problematic.
4.	· · · · · · · · · · · · · · · · · · ·				Definitions of Variation Strate.
5.					Definitions of Vegetation Strata:
6					Tree
					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7. 8.					
					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
9.					tall.
10.					
11.					Hart- All harbaccous (non woods) plants, regardless of city
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					
14.					March 198 and All mondaying programmer 0.00 ft in built
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cov	ver = 10			
	um (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
4.					
5.					
	Total Cov	ver = 0			
Remarks:					
•					
Additional Ren	marks:				
I					



Project/Site:												
	Ware Road -	Seaman 138 kV Transr	nission Line P	roject		Stant	ec Project #:	193704860		Date:	12/11/16	
Applicant:	American E	Electric Power								County:	Pike	
Investigator #1:	Aaron Kwo	lek		Invest	igator #2:	Dan Scl	nepis			State:	Ohio	
Soil Unit:	Shelocta-Bro	wnsville association, ste	ep		- NV	WW/IW	Classification:	N/A		Wetland ID:	Wetland 5	
Landform:	Side slope	, ,	-1	Loc	cal Relief:					Sample Point:	SP 16	
Slope (%):	~0	Latitude	39.04976		ongitude:		504	Datum:		Community ID:		
		itions on the site typic								Section:	Opinio	
		or Hydrology □signit			11: (II 110, exp		e normal circu			Township:		
						Α.		□ No			D :	
		r Hydrology □hatur	ally problem	iatic?			<u> </u>	□ 140		Range:	Dir:	
SUMMARY OF I												
Hydrophytic Veg				☐ Yes				Hydric Soils I			☐ Yes ☑ Ne	
Wetland Hydrolo	ogy Present?)		☐ Yes	☑ No			Is This Samp	oling Point W	/ithin A Wetla	and? 🔳 Yes 🔼 No	0
Remarks:												
HYDROLOGY												
		. (0)							_			
_		tors (Check here if i	ndicators are	e not pres	ent):	√			Secondary:			
Primary:		144.4			DO 14/	0				B6 - Surface So		
					B9 - Wate						egetated Concave Surface	
	A2 - High Wa A3 - Saturation			ä	B13 - Aqu B14 - Tru					B10 - Drainage B16 - Moss Trir		
	B1 - Water N				C1 - Hydr					C2 - Dry Seaso		
	B2 - Sedime						spheres on Livin	a Roots		C8 - Crayfish B		
	B3 - Drift De						educed Iron	9.10010			Visible on Aerial Imagery	
	B4 - Algal Ma						duction in Tilled	Soils			Stressed Plants	
	B5 - Iron Dep				C7 - Thin	Muck Surf	ace			D2 - Geomorph		
	B7 - Inundati	on Visible on Aerial Imaç	gery		Other (Ex	plain in Re	emarks)			D3 - Shallow Ad		
										D4 - Microtopog		
									ш	D5 - FAC-Neutr	ral Test	
Field Observati	ions:											
Surface Water F	Present?	☐ Yes ☑ No	Depth:		(in.)							
Water Table Pre		☐ Yes ☑ No	Depth:		(in.)			Wetland Hyd	drology Pre	sent?	Yes 🗹 No	
Saturation Prese		☐ Yes ☑ No	Depth:		(in.)							
Saturation Frese	ent:	□ res □ No	Depth.		(111.)							
Describe Recorde	ed Data (stre	am gauge, monitoring	ı well, aerial p	photos, pre	evious insp	ections),	if available:		N/A			
Remarks:												
SOILS												
SOILS	· Sholocta-R	rownevillo accociatio	un stoon			Sorios D	rainago Class	moderately w	voll drained			
Map Unit Name:		rownsville associatio	n, steep		Ş	Series Dr	ainage Class:	moderately w	vell drained			
Map Unit Name: Taxonomy (Sub	group):		•					-				
Map Unit Name: Taxonomy (Subprofile Description	group): tion (Describe to th	rownsville associatio	•					CS=Covered/Coated Sand		Pore Lining, M=Matrix)		
Map Unit Name: Taxonomy (Sub- Profile Descripe Top	group):		tor or confirm the abser	Matrix	(Type: C=Concen	tration, D=Deple	tion, RM=Reduced Matrix, (CS=Covered/Coated Sand Mottles		Pore Lining, M=Matrix)	Texture	
Map Unit Name: Taxonomy (Subprofile Description	group): tion (Describe to th		•	Matrix		tration, D=Deple		CS=Covered/Coated Sand		Pore Lining, M=Matrix) Location	Texture (e.g. clay, sand, loar	n)
Map Unit Name: Taxonomy (Sub- Profile Descripe Top	group): tion (Describe to the Bottom	e depth needed to document the indical	tor or confirm the abser	Matrix	(Type: C=Concen	tration, D=Deple	tion, RM=Reduced Matrix, (CS=Covered/Coated Sand Mottles	Grains; Location: PL=			n)
Map Unit Name: Taxonomy (Sub- Profile Descript Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the indicated Horizon	tor or confirm the abser	Matrix Moist) 4/3	(Type: C=Concen	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location	(e.g. clay, sand, loar	n)
Map Unit Name: Taxonomy (Subperfile Descripe Top Depth 0 1	group): tion (Describe to the Bottom Depth 1	e depth needed to document the indicated Horizon	Color (10YR 10YR	Matrix Moist) 4/3 4/3	(Type: C=Concen	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, loar silty clay silty clay	n)
Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 1 1	group): tion (Describe to the Bottom Depth 4 4	Horizon 1 2 2	Color (10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6	(Type: C=Concen % 100 10 90	Col	or (Moist)	Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, loar silty clay silty clay silty clay	n)
Map Unit Name: Taxonomy (Subpersolution of the Description of the Desc	group): tion (Describe to the Bottom Depth 4 4	Horizon 1 2 2	Color (10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6	% 100 10 90	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, loar silty clay silty clay silty clay	n)
Map Unit Name: Taxonomy (Subpersolution of the Control of the Cont	group): tion (Describe to the Bottom Depth 1 4 4	Horizon 1 2 2	Color (10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6	% 100 10 90	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location	(e.g. clay, sand, loar silty clay silty clay silty clay 	n)
Map Unit Name: Taxonomy (Subpersolution of the Description of the Desc	group): tion (Describe to the Bottom Depth 4 4	Horizon 1 2 2	Color (10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6	% 100 10 90	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location 	(e.g. clay, sand, loar silty clay silty clay silty clay	n)
Map Unit Name: Taxonomy (Subpersolution of the Control of the Cont	group): tion (Describe to the Bottom Depth 1 4 4	Horizon 1 2 2	Color (10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6	% 100 10 90	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location	(e.g. clay, sand, loar silty clay silty clay silty clay 	m)
Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 1 1	group): tion (Describe to the Bottom Depth 1 4 4	Horizon 1 2 2	Color (10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6	(Type: C=Concen % 100 10 90	tration, D=Deple	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location	(e.g. clay, sand, loar silty clay silty clay silty clay 	m)
Map Unit Name: Taxonomy (Subj Profile Descript Top Depth 0 1	group): tion (Describe to the Bottom Depth 1 4 4 4	Horizon 1 2 2	Color (10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6	(Type: C=Concen	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location	(e.g. clay, sand, loar silty clay silty clay silty clay	m)
Map Unit Name: Taxonomy (Subj Profile Descript Top Depth 0 1	group): tion (Describe to the Bottom Depth 1 4 4 4	Horizon 1 2 2	Color (10YR 10YR 10YR 10YR a if indicators	Matrix Moist) 4/3 4/3 5/6 s are not p	(Type: C=Concen	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location Indicators fo	(e.g. clay, sand, loar silty clay silty clay silty clay r Problematic Soils 1	m)
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 1 NRCS Hydric S	group): tion (Describe to the Depth	Horizon 1 2 2	Color (10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6 s are not predox	(Type: C=Concen	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Location Indicators fo	(e.g. clay, sand, loar silty clay silty clay silty clay	m)
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 1 NRCS Hydric S	group): tion (Describe to the Depth	Horizon 1 2 2	Color (10YR 10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6 s are not peedox	(Type: C=Concen	Col	or (Moist)	Mottles %	Grains; Location: PL=	Location Indicators fo A10 - 2cm M A16 - Coast F	(e.g. clay, sand, loar silty clay silty clay silty clay r Problematic Soils ¹	m)
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S	group): tion (Describe to the Depth	Horizon 1 2 2	Color (10YR 10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6 s are not p Redox d Matrix urface	(Type: C=Concent) % 100 10 90 Dresent	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	(e.g. clay, sand, loar silty clay silty clay silty clay	m)
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La	group): tion (Describe to the Depth	Horizon 1 2 2	Color (10YR 10YR 10YR 10YR 10YR 56 - Strippec S6 - Strippec S8 - Polyvalu S9 - Thin Da	Matrix Moist) 4/3 4/3 5/6 s are not pedox d Matrix irface le Below Dirk Surface	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	(e.g. clay, sand, loar silty clay silty clay silty clay	n)
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified L 10 - 2 cm Muck	group): tion (Describe to the Depth	Horizon 1 2 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 56-Stripped 57-Dark Su 58-Polyvalu 59-Thin Da F2-Loamy (Matrix Moist) 4/3 4/3 5/6 s are not peedox d Matrix urface ue Below Do rk Surface Gleyed Mat	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	(e.g. clay, sand, loar silty clay silty clay silty clay	n)
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified Le 10-2 cm Muck 11- Depleted B	group): tion (Describe to the Depth	Horizon 1 2 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 56-Stripper S7-Dark Su S8-Polyvalu S9-Thin Da F2-Loamy (F3-Depleter	Matrix Moist) 4/3 4/3 5/6 s are not p Redox d Matrix urface ue Below D: rk Surface Gleved Mat d Matirx	(Type: C=Concent) % 100 10 90	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	(e.g. clay, sand, loar silty clay silty clay silty clay	m)
Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2 - Histosol 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark	group): tion (Describe to the Depth	Horizon 1 2 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6 s are not particular and par	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	(e.g. clay, sand, loar silty clay silty clay silty clay	m)
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Much 11 - Depleted E 12 - Thick Dark 1 - Sandy Much	group): tion (Describe to the Depth	Horizon 1 2 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 56-Stripper S7-Dark Su S8-Polyvalu S9-Thin Da F2-Loamy (F6-Redox L F7-Deplete	Matrix Moist) 4/3 4/3 5/6 s are not predox by Matrix urface Jeved Mat d Matrix Jark Surface Jork Surface	(Typer C=Concern 9% 100 10 90	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location	(e.g. clay, sand, loar silty clay silty clay silty clay	
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark 1 - Sandy Muck 4 - Sandy Gley	group): tion (Describe to the Depth	Horizon 1 2 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 10YR 10YR 10YR	Matrix Moist) 4/3 4/3 5/6 s are not predox by Matrix urface Jeved Mat d Matrix Jark Surface Jork Surface	(Typer C=Concern 9% 100 10 90	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location	(e.g. clay, sand, loar silty clay silty clay silty clay silty clay	
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10-2 cm Muck 11- Depleted E 12- Thick Dark 11- Sandy Muck 14- Sandy Muck 14- Sandy Gley Restrictive Layer	group): tion (Describe to the Depth	Horizon 1 2 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 56-Stripper S7-Dark Su S8-Polyvalu S9-Thin Da F2-Loamy (F6-Redox L F7-Deplete	Matrix Moist) 4/3 4/3 5/6 s are not predox by Matrix urface Jeved Mat d Matrix Jark Surface Jork Surface	(Typer C=Concern 9% 100 10 90	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location	(e.g. clay, sand, loar silty clay silty clay silty clay	
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified L 10 - 2 cm Much 11 - Depleted E 12 - Thick Dark 11 - Sandy Much 14 - Sandy Gley Restrictive Layer (If Observed)	group): tion (Describe to the Depth	Horizon 1 2 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 56-Stripper S7-Dark Su S8-Polyvalu S9-Thin Da F2-Loamy (F6-Redox L F7-Deplete	Matrix Moist) 4/3 4/3 5/6 s are not particular face are Below Dark Surface Gleyed Matt d Matrix Dark Surface Joak Surface d Dark Surface Depression:	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location	(e.g. clay, sand, loar silty clay silty clay silty clay silty clay	
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10-2 cm Muck 11- Depleted E 12- Thick Dark 11- Sandy Muck 14- Sandy Muck 14- Sandy Gley Restrictive Layer	group): tion (Describe to the Depth	Horizon 1 2 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 56-Stripper 57-Dark Su S8-Polyvalu S9-Thin Da F2-Loamy (F6-Redox E F7-Deplete	Matrix Moist) 4/3 4/3 5/6 s are not particular face are Below Dark Surface Gleyed Matt d Matrix Dark Surface Joak Surface d Dark Surface Depression:	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location	(e.g. clay, sand, loar silty clay silty clay silty clay silty clay	
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified L 10 - 2 cm Much 11 - Depleted E 12 - Thick Dark 11 - Sandy Much 14 - Sandy Gley Restrictive Layer (If Observed)	group): tion (Describe to the Depth	Horizon 1 2 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 56-Stripper 57-Dark Su S8-Polyvalu S9-Thin Da F2-Loamy (F6-Redox E F7-Deplete	Matrix Moist) 4/3 4/3 5/6 s are not particular face are Below Dark Surface Gleyed Matt d Matrix Dark Surface Joak Surface d Dark Surface Depression:	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location	(e.g. clay, sand, loar silty clay silty clay silty clay silty clay	
Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 1 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified L 10 - 2 cm Much 11 - Depleted E 12 - Thick Dark 11 - Sandy Much 14 - Sandy Gley Restrictive Layer (If Observed)	group): tion (Describe to the Depth	Horizon 1 2 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 56-Stripper 57-Dark Su S8-Polyvalu S9-Thin Da F2-Loamy (F6-Redox E F7-Deplete	Matrix Moist) 4/3 4/3 5/6 s are not particular face are Below Dark Surface Gleyed Matt d Matrix Dark Surface Joak Surface d Dark Surface Depression:	(Typer C=Concent	Col	or (Moist)	Mottles %	Grains; Location: PL= Type	Location	(e.g. clay, sand, loar silty clay silty clay silty clay silty clay	



Project/Site:	Ware Road - Seaman 138 kV Transmission	Line Project			Wetland ID: Wetland 5 Sample Point SP 16
VEGETATION	(Species identified in all uppercase are non-r	native species.)			
Tree Stratum (Plo	t size: 30 ft radius)				
	Species Name	% Cover		Ind.Status	Dominance Test Worksheet
1.	Quercus rubra	30	Y	FACU	
2.	Acer rubrum	25	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC:(A)
3.	Populus deltoides	10	N	FAC	
4.	Ulmus rubra	10	N	FAC	Total Number of Dominant Species Across All Strata: (B)
5.	Aesculus glabra	5	N	FACU	
6.					Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp 0
	Total Co	over = 80			FACW spp. 2
					FAC spp. 45
Sapling/Shrub Stra	atum (Plot size: 15 ft radius)				FACU spp. 61 X 4 = 244
1.	Fagus grandifolia	8	Υ	FACU	UPL spp. 0 x 5 = 0
2.	Quercus rubra	12	Υ	FACU	···
3.	Rubus allegheniensis	4	N	FACU	Total 108 (A) 383 (B)
4.	Carya glabra	2	N	FACU	
5.					Prevalence Index = B/A =
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes □ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes □ ☑ No Dominance Test is > 50%
10.	Total Co				Yes □ ☑ No Prevalence Index is ≤ 3.0 *
	Total Co	ovei = 20			
Lient Chretine (Die	tainer Ethandina)				
Herb Stratum (Plot		2	Υ	FACW	Yes □ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Poa palustris				* Indicators of hydric soil and wetland hydrology must be
2. 3.					present, unless disturbed or problematic.
					Definitions of Venetation Office
4.					Definitions of Vegetation Strata:
5.					T
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.					neight (טום ו), regardess of height.
8.					Meady plants less than 2 in DDI and greater than 2 20 ft
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.					
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Co	over = 2			
Woody Vine Stratu	ım (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☐ Yes ☑ No
4.					
5.					
	Total Co	over = 0			
Remarks:					
Additional Ren	narks:				
Additional Ren	nui no.				



Project/Site:											
	Ware Road -	Seaman 138 kV Transr	nission Line P	roject		Stant	ec Project #:	193704860		Date:	12/11/16
Applicant:	American E	Electric Power								County:	Pike
Investigator #1:	Eric Parker	r		Invest	igator #2:	Abigail I	Medis			State:	Ohio
Soil Unit:	Rarden silt lo	am			- NV	VI/WWI	Classification:	N/A		Wetland ID:	Wetland 6
Landform:	hillslope			Loc	cal Relief:					Sample Point:	SP 17
Slope (%):	8-10	Latitude	39.06590		ongitude:			Datum:		Community ID:	
		itions on the site typic								Section:	1 2.00
		or Hydrology □signit			II : (II 110, ex			mstances pre		Township:	
		or Hydrology □hatur				Air		□ No			Die
		r Hydrology Liatur	ally problem	iatic?			e res	□ 100		Range:	Dir:
SUMMARY OF I											
Hydrophytic Veg				✓ Yes				Hydric Soils I			☑ Yes □ No
Wetland Hydrold				☑ Yes	□ No			Is This Samp	ling Point W	ithin A Wetla	and? <a>Yes No
Remarks:	Seepage b	y excavated area adj	acent to RO	W.							
HYDROLOGY											
	de en de elle e	1 (Ob	l' t								
_		tors (Check here if in	ndicators are	e not pres	ent):				Secondary:	20 0 (0	7.0
Primary	: A1 - Surface	Motor			B9 - Wate	r Stainad	Loovos			B6 - Surface So	oll Cracks egetated Concave Surface
	A2 - High Wa				B13 - Aqu					B10 - Sparsely ve B10 - Drainage	
	A3 - Saturation				B14 - Tru					B16 - Moss Trir	
	B1 - Water M				C1 - Hydr					C2 - Dry Seaso	
	B2 - Sedimer						spheres on Livin	g Roots		C8 - Crayfish B	
	B3 - Drift De						duced Iron				Visible on Aerial Imagery
	B4 - Algal Ma						duction in Tilled	Soils			Stressed Plants
	B5 - Iron Dep				C7 - Thin					D2 - Geomorph	
	B7 - Inundati	on Visible on Aerial Imaç	gery		Other (Ex	plain in Re	marks)			D3 - Shallow Ad	
										D4 - Microtopo D5 - FAC-Neuti	grapnic Relier ral Tost
										DO TAO NEGLI	ai rest
Field Observati											
Surface Water F	Present?	☐ Yes ☑ No	Depth:	N/A	(in.)			Wetland Hyd	Irology Pre	sont?	l Yes □ No
Water Table Pre	esent?	☐ Yes ☑ No	Depth:	N/A	(in.)			Wetland Hy	ilology i le	Sciit:	res 🗀 No
Saturation Prese	ent?	☐ Yes ☑ No	Depth:	N/A	(in.)						
Dogoribo Booord	ad Data (atra	am gauge, monitoring	well periol r	shoton pro	vious ison	ootiona)	if available:		N/A		
				onotos, pre	evious irisp	ections),	ii avaliable.		IV/A		
Remarks:	Seep wetla	ind on hillside - hill to	north								
SOILS											
Map Unit Name:	0 1 2										
Map Unit Name.	: Rarden silt	loam			9	Series Dr	ainage Class:	somewhat po	orly drained		
Taxonomy (Sub		loam			Ş	Series Dr	ainage Class:	somewhat po	orly drained		
Taxonomy (Sub	group):	loam e depth needed to document the indical	tor or confirm the abser	nce of indicators.)							
Taxonomy (Sub-	group): tion (Describe to th		tor or confirm the abser					CS=Covered/Coated Sand			Texture
Taxonomy (Sub-	group): tion (Describe to the Bottom	ne depth needed to document the indical		Matrix	(Type: C=Concen	tration, D=Deplet	ion, RM=Reduced Matrix, (CS=Covered/Coated Sand Mottles	Grains; Location: PL=	Pore Lining, M=Matrix)	
Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the indicate	Color (Matrix Moist)	(Type: C=Concen	tration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL=	Pore Lining, M=Matrix) Location	(e.g. clay, sand, loam)
Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to the Bottom Depth 8	te depth needed to document the indicate Horizon	Color (Matrix Moist) 5/2	(Type: C=Concen	tration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles % 20	Grains; Location: PL=	Pore Lining, M=Matrix) Location	(e.g. clay, sand, loam) silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 8 8	Horizon 1	Color (2.5Y 2.5Y	Matrix Moist) 5/2 5/1	(Type: C=Concen % 65 15	Col 10YR	or (Moist) 5/8	Mottles % 20	Grains; Location: PL=	Pore Lining, M=Matrix) Location M	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to the Bottom Depth 8	te depth needed to document the indicate Horizon	Color (Matrix Moist) 5/2	(Type: C=Concen	tration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles % 20	Grains; Location: PL=	Pore Lining, M=Matrix) Location	(e.g. clay, sand, loam) silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 8 8	Horizon 1	Color (2.5Y 2.5Y	Matrix Moist) 5/2 5/1	(Type: C=Concen % 65 15	Col 10YR	or (Moist) 5/8	Mottles % 20	Grains; Location: PL=	Pore Lining, M=Matrix) Location M	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8	group): tion (Describe to the Bottom Depth 8 8	Horizon 1 1	Color (2.5Y 2.5Y 	Matrix Moist) 5/2 5/1	(Type: C=Concen % 65 15	Col 10YR	or (Moist) 5/8	CS=Covered/Coated Sand Mottles % 20	Grains; Location: PL=	Pore Lining, M=Matrix) Location M	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8	group): tion (Describe to the Bottom Depth 8 8	Horizon 1 1	Color (2.5Y 2.5Y 	Matrix Moist) 5/2 5/1	% 65 15	cration, D=Deplet	or (Moist) 5/8	CS=Covered/Coated Sand Mottles % 20	Type C	Pore Lining, M=Matrix) Location M	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8	group): tion (Describe to the Bottom Depth 8 8	Horizon 1 1	Color (2.5Y 2.5Y 	Matrix Moist) 5/2 5/1	(Type: C=Concen	tration, D=Deplet	or (Moist) 5/8	Mottles % 20	Type C	Pore Lining, M=Matrix) Location M	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8	group): tion (Describe to the Bottom Depth 8 8	Horizon 1 1	Color (2.5Y 2.5Y 	Matrix Moist) 5/2 5/1	% 65 15	tration, D=Deplet Col 10YR	or (Moist) 5/8	CS=Covered/Coated Sand Mottles % 20	Grains; Location: PL= Type C	Pore Lining, M-Matrix) Location M	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8	group): tion (Describe to the Bottom Depth 8 8	Horizon 1 1	Color (2.5Y 2.5Y	Matrix Moist) 5/2 5/1	(Type: C=Concen	Col 10YR	or (Moist) 5/8	CS=Covered/Coated Sand Mottles % 20	Grains; Location: PL= Type C	Pore Lining, M-Matrix) Location M	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8 NRCS Hydric S	group): tion (Describe to the Bottom Depth 8 8	Horizon 1 1	Color (2.5Y 2.5Y a if indicators	Matrix Moist) 5/2 5/1 s are not p	(Type: C=Concen	tration, D=Deplet Col 10YR	or (Moist) 5/8	CS=Covered/Coated Sand Mottles % 20	Grains; Location: PL= Type C	Pore Lining, M-Matrix) Location M Indicators for	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8 NRCS Hydric S	group): tion (Describe to the Depth 8 8 Soil Field Inc	Horizon 1 1	Color (2.5Y 2.5Y if indicators \$5 - Sandy F	Matrix Moist) 5/2 5/1 s are not predox	(Type: C=Concen	Col 10YR	or (Moist) 5/8	Mottles % 20	Grains; Location: PL= Type C	Pore Lining, M-Matrix) Location M Indicators fo A10 - 2cm M	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8 NRCS Hydric S 1- Histosol 12 - Histic Epipe	group): tion (Describe to the Depth	Horizon 1 1	Color (2.5Y 2.5Y	Matrix Moist) 5/2 5/1 s are not predox at Matrix	(Type: C=Concen	Col 10YR	or (Moist) 5/8	Mottles % 20	Grains; Location: PL= Type C A 122, 136) Grains; Location: PL=	Pore Lining, M-Matrix) Location M Indicators fo A10 - 2cm N A16 - Coast F	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8 NRCS Hydric S 11- Histosol 2 - Histic Epipe 3 - Black Histic	group): tion (Describe to the Depth	Horizon 1 1	Color (2.5Y 2.5Y if indicators S5 - Sandy F S6 - Stripped S7 - Dark Su	Matrix Moist) 5/2 5/1 s are not p Redox d Matrix urface	(Type: C=Concen	Col 10YR):	or (Moist) 5/8	Mottles % 20	Grains; Location: PL= Type C	Pore Lining, M-Matrix) Location M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S	group): tion (Describe to the Depth 8	Horizon 1 1	Color (2.5Y 2.5Y if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu	Matrix Moist) 5/2 5/1 s are not predox	(Type: C=Concent) % 65 15	Col 10YR):	or (Moist) 5/8	Mottles % 20	Type C	Location M Indicators fo A10 - 2cm N A16 - Coast F F19 - Piedron TF12 - Very	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8 NRCS Hydric S 1- Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La	group): tion (Describe to the Depth	Horizon 1 1	Color (2.5Y 2.5Y if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu S9 - Thin Da	Matrix Moist) 5/2 5/1 s are not process of Matrix Inface Just Matrix Inface Just Matrix Just	(Type: C=Concen 9% 65 15	Col 10YR):	or (Moist) 5/8	Mottles % 20	Type C	Location M Indicators fo A10 - 2cm N A16 - Coast F F19 - Piedron TF12 - Very	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S	group): tion (Describe to the Depth	Horizon 1 1 dicators (check here	Color (2.5Y 2.5Y if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu	Matrix Moist) 5/2 5/1 s are not predox di Matrix urface ue Below Do rk Surface Gleyed Mat	(Type: C=Concen 9% 65 15	Col 10YR):	or (Moist) 5/8	Mottles % 20	Type C	Location M Indicators fo A10 - 2cm N A16 - Coast F F19 - Piedron TF12 - Very	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 110 - 2 cm Mucl 111 - Depleted B 112 - Thick Dark	group): tion (Describe to the Depth 8	Horizon 1 dicators (check here	Color (2.5Y 2.5Y if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu S9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E	Matrix Moist) 5/2 5/1 s are not packod Matrix urface ue Below Dark Surface Glelyed Mat d Matrix Dark Surface Surface Surface Matrix Dark Surface	(Type: C=Concen % 65 15	Col 10YR):	or (Moist) 5/8	Mottles % 20	Type C	Location M Indicators fo A10 - 2cm N A16 - Coast F F19 - Piedron TF12 - Very	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8 NRCS Hydric \$ 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen \$ 5 - Stratified La 10 - 2 cm Mucl 11 - Depleted E 12 - Thick Dark 11 - Sandy Mucl	group): tion (Describe to the Depth 8 8 8	Horizon 1 dicators (check here	Color (2.5Y 2.5Y if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 5/2 5/1 s are not packodx d Matrix rface gleved Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concent 9% 65 15	Col 10YR):	or (Moist) 5/8	Mottles % 20	Type C	Pore Lining, M-Matrix) Location M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Explain	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8	group): tion (Describe to the Depth 8 8 8	Horizon 1 dicators (check here	Color (2.5Y 2.5Y if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu S9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E	Matrix Moist) 5/2 5/1 s are not packodx d Matrix rface gleved Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concent 9% 65 15	Col 10YR):	or (Moist) 5/8	Mottles % 20	Type C	Pore Lining, M-Matrix) Location M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Explain	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8 NRCS Hydric S 1- Histosol 2- Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Mucl 11 - Depleted E 12 - Thick Dark 11 - Sandy Mucl 4 - Sandy Mucl 4 - Sandy Gley Restrictive Layer	group): tion (Describe to the Depth	Horizon 1 dicators (check here	Color (2.5Y 2.5Y if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 5/2 5/1 s are not page and Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concent % 65 15	Col 10YR):	or (Moist) 5/8	Mottles % 20	Type C C SSSES (LRR N, N. A 122, 136) D SOIls (MLRA 127, 147)	Pore Lining, M-Matrix) Location M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8	group): tion (Describe to the Depth	Horizon 1 1 dicators (check here	Color (2.5Y 2.5Y a if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu S9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox I F7 - Depleter F8 - Redox I	Matrix Moist) 5/2 5/1 s are not precise and precise are selected with the	(Type: C=Concent 9% 65 15	Col 10YR):	or (Moist) 5/8	Mottles % 20	Type C C SSSES (LRR N, N. A 122, 136) D SOIls (MLRA 127, 147)	Pore Lining, M-Matrix) Location M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8 NRCS Hydric S 1- Histosol 2- Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Mucl 11 - Depleted E 12 - Thick Dark 11 - Sandy Mucl 4 - Sandy Mucl 4 - Sandy Gley Restrictive Layer	group): tion (Describe to the Depth	Horizon 1 1 dicators (check here	Color (2.5Y 2.5Y a if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu S9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox I F7 - Depleter F8 - Redox I	Matrix Moist) 5/2 5/1 s are not precise and precise are selected with the	(Type: C=Concent % 65 15	Col 10YR):	or (Moist) 5/8	Mottles % 20	Type C C SSSES (LRR N, N. A 122, 136) D SOIls (MLRA 127, 147)	Pore Lining, M-Matrix) Location M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8	group): tion (Describe to the Depth	Horizon 1 1 dicators (check here	Color (2.5Y 2.5Y a if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu S9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox I F7 - Depleter F8 - Redox I	Matrix Moist) 5/2 5/1 s are not precise and precise are selected with the	(Type: C=Concent % 65 15	Col 10YR):	or (Moist) 5/8	Mottles % 20	Type C C SSSES (LRR N, N. A 122, 136) D SOIls (MLRA 127, 147)	Pore Lining, M-Matrix) Location M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silty clay loam silty clay loam
Taxonomy (Sub- Profile Descrip Top Depth 0 8	group): tion (Describe to the Depth	Horizon 1 1 dicators (check here	Color (2.5Y 2.5Y a if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu S9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox I F7 - Depleter F8 - Redox I	Matrix Moist) 5/2 5/1 s are not precise and precise are selected with the	(Type: C=Concent % 65 15	Col 10YR):	or (Moist) 5/8	Mottles % 20	Type C C SSSES (LRR N, N. A 122, 136) D SOIls (MLRA 127, 147)	Pore Lining, M-Matrix) Location M Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam) silty clay loam silty clay loam



Project/Site:	Ware Road - Seaman 138 kV Transmission Line P	roject			Wetland ID: Wetland 6 Sample Point SP 17
VECETATION	(Considerational in all comments and an artists				
VEGETATION Tree Stratum (Plo	(Species identified in all uppercase are non-native of size: 30 ft radius)	species.)			
Tiee Stratum (Fic	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					Dominance Foot Workerlook
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)
3.					, · · · · · · · · · · · · · · · · · · ·
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.					(,
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					· · · · · · · · · · · · · · · · · · ·
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 55 x 1 = 55
	Total Cover =	. 0			FACW spp. 13 X 2 = 26
					FAC spp. 10 X 3 = 30
Sapling/Shrub Stra	atum (Plot size: 15 ft radius)				FACU spp. 20 x 4 = 80
1.					UPL spp. 0 x 5 = 0
2.					
3.					Total 98 (A) 191 (B)
4.					··
5.					Prevalence Index = B/A =
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes ☑ ☐ No Rapid Test for Hydrophytic Vegetation
10.					Yes ☑ ☐ No Dominance Test is > 50%
	Total Cover =	0			Yes ☑ ☐ No Prevalence Index is ≤ 3.0 *
					Yes □ ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Plo	t size: 5 ft radius)				Yes □ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Scirpus atrovirens	50	Υ	OBL	* Indicators of hydric soil and watland hydrology must be
2.	Sporobolus neglectus	15	N	FACU	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Juncus effusus	7	N	FACW	
4.	Dichanthelium clandestinum	5	N	FAC	Definitions of Vegetation Strata:
5.	Bidens trichosperma	5	N	OBL	
6	Andropogon virginicus	3	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Juncus dudleyi	3	N	FACW	height (DBH), regardless of height.
8.	Ludwigia alternifolia	3	N	FACW	
9.	Euthamia graminifolia	3	N	FAC	Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.	Symphyotrichum pilosum	2	N	FAC	Con-
11.	Solidago canadensis	2	N	FACU	
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					and woody planto look than 0.20 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	98			
	um (Plot size: 30 ft radius)				
1.					
2.					W. J. J. W. J. J. B. J.
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
4.					
5.					
	Total Cover =	. 0			
Remarks:					
Additional Ren	narks:				



Duningt/Cite.												
Project/Site:	Ware Road -	Seaman 138 kV Transn	mission Line P	roject		Stant	ec Project #:	193704860		Date:	12/11/16	
Applicant:	American E	Electric Power								County:	Pike	
Investigator #1:				Invest	igator #2:	Ahinail I	Medis			State:	Ohio	
				mvcst			Classification:	NI/A		-1		6
Soil Unit:		ownsville association, st	eep					N/A		Wetland ID:		0
Landform:	hillslope				al Relief:					Sample Point:		
Slope (%):	8-10 Latitude: 39.06500 Longitude: -83.20849 Datum: NAD8										Upland	
Are climatic/hyd	/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)											
	etation ☐, Soil ☐or Hydrology ☐significantly disturbed? Are normal circumstances present?											
		r Hydrology hatur				,		□ No		Township:		Die
		nydrology Liaiur	any problem	ialic?			<u> </u>	□ 1NO		Range:		Dir:
SUMMARY OF I												
Hydrophytic Veg	etation Pres	ent?		☐ Yes	☑ No			Hydric Soils I	Present?			Yes ☑ No
Wetland Hydrold				☐ Yes	☑ No			Is This Samo	ling Point \	Within A Wetla	and?	Yes No
Remarks:		thin and adjacent to h	nietorio avos				1	10 11110 00111				
ixemaiks.	Located wil	iriiri arid adjacerit to i	iistorio exca	valion un	aer and m	cai itovi	•					
HYDROLOGY												
Wetlend Hudre	leav Indiae	tere (Chaok hara if i	ndiantara ar	not proc	ont \.	[7]			0			
_		tors (Check here if in	nuicators are	e not pres	ent):	√			Secondary:			
Primary		MAZ. C.			DO 14/-1	0				B6 - Surface So		0.1
	A1 - Surface					er-Stained				B8 - Sparsely V		icave Surrace
	A2 - High Wa					uatic Fauna				B10 - Drainage		
	A3 - Saturation					e Aquatic				B16 - Moss Tri		
	B1 - Water M				C1 - Hydr					,		ole
	B2 - Sedimer						spheres on Livin	ig Roots				
	B3 - Drift Dep						educed Iron			ee eararanon		
	B4 - Algal Ma						duction in Tilled	Soils				lants
	B5 - Iron Dep				C7 - Thin							
	B7 - Inundation	on Visible on Aerial Imag	gery		Other (Ex	plain in Re	marks)					
											graphic Relie	ef
										D5 - FAC-Neut	ral Test	
Field Observati	ons:											
			5	NI/A	(! \							
Surface Water F		☐ Yes ☑ No	Depth:		(in.)			Wetland Hyd	drology Pr	esent?	Yes ☑	No
Water Table Pre	esent?	Yes No	Depth:	N/A	(in.)			,				
Saturation Prese	ent?	☐ Yes ☑ No	Depth:	N/A	(in.)							
December Decemb	I D - 4 - / - 4					\	:f = = !! = != ! = .		NI/A			
	ed Data (stre	am gauge, monitoring	weii, aeriai p	pnotos, pre	evious insp	pections),	if available:		N/A			
Remarks:												
Remarks:												
SOILS		200				0 : 5						
SOILS Map Unit Name:		Brownsville associati	on, steep			Series Dr		somewhat po	oorly draine	ed		
SOILS		Brownsville associati	on, steep		,	Series Dr		somewhat po	oorly draine	ed		
SOILS Map Unit Name: Taxonomy (Sub	group):	Brownsville associati		nce of indicators.)			ainage Class:					
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip	group): tion (Describe to th						ainage Class:	CS=Covered/Coated Sand				Texture
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top	group): tion (Describe to the Bottom	e depth needed to document the indicat	tor or confirm the abser	Matrix	(Type: C=Concen	ntration, D=Deple	rainage Class:	CS=Covered/Coated Sand Mottles	Grains; Location: P	L=Pore Lining, M=Matrix)	(0.0	Texture
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the indicate	tor or confirm the abser	Matrix Moist)	(Type: C=Concen	ntration, D=Deple	rainage Class:	CS=Covered/Coated Sand Mottles %	Grains; Location: Pl	L=Pore Lining, M=Matrix)	(e.g.	clay, sand, loam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top	group): tion (Describe to the Bottom	e depth needed to document the indicat	tor or confirm the abser	Matrix	(Type: C=Concen	ntration, D=Deple	rainage Class:	CS=Covered/Coated Sand Mottles	Grains; Location: P	L=Pore Lining, M=Matrix)	(e.g.	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the indicate	Color (Matrix Moist) 6/6	(Type: C=Concen	ntration, D=Deple	rainage Class:	CS=Covered/Coated Sand Mottles %	Grains; Location: Pl	L=Pore Lining, M=Matrix)	(e.g.	clay, sand, loam)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 20	e depth needed to document the indicated Horizon	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3	(Type: C=Concer % 60 30	column Co	rainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Grains; Location: Pi	L=Pore Lining, M=Matrix) Location M	(e.g.	clay, sand, loam) silty clay
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 20	e depth needed to document the indicated Horizon 1	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3	(Type: C=Concen % 60 30	Col 10YR	rainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Grains; Location: Pi	L=Pore Lining, M=Matrix) Location M	(e.g.	clay, sand, loam) silty clay
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 20	e depth needed to document the indicated Horizon	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3	(Type: C=Concer % 60 30	column Co	rainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Grains; Location: Pi	L=Pore Lining, M=Matrix) Location M	(e.g.	clay, sand, loam) silty clay
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 20	e depth needed to document the indicated Horizon 1	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3	(Type: C=Concen % 60 30	Col 10YR	rainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Grains; Location: Pi	L=Pore Lining, M=Matrix) Location M	(e.g.	clay, sand, loam) silty clay
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 20	e depth needed to document the indicated Horizon 1	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3	% 60 30	Col 10YR	rainage Class: ion, RM=Reduced Matrix. or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Grains; Location: Pl	LePore Lining, M=Matrix) Location M	(e.g.	clay, sand, loam) silty clay
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	e depth needed to document the indicated Horizon 1	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3	% 60 30	column co	rainage Class: ion, RM=Reduced Matrix. or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Type C	LePore Lining, M=Matrix) Location M	(e.g.	clay, sand, loam) silty clay
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	e depth needed to document the indicated Horizon 1	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3	(Type: C=Concen	Col 10YR	rainage Class: ion, RM=Reduced Matrix. or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Grains; Location: PI	LePore Lining, M=Matrix) Location M	(e.g.	clay, sand, loam) silty clay
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	e depth needed to document the indicated Horizon 1	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3	% 60 30	column co	rainage Class: ion, RM=Reduced Matrix. or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Type C	LePore Lining, M=Matrix) Location M	(e.g.	clay, sand, loam) silty clay
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	e depth needed to document the indicated Horizon 1	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3	(Type: C=Concen	column co	rainage Class: ion, RM=Reduced Matrix. or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Type C	LePore Lining, M=Matrix) Location M		clay, sand, loam) silty clay
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1	Color (10YR 2.5Y a if indicators	Matrix Moist) 6/6 6/3 s are not p	(Type: C=Concen	Col 10YR	or (Moist) 6/8	CS=Covered/Coated Sand Mottles 96 10	Grains: Location: Pr	LePore Lining, M=Matrix) Location M Indicators for	or Problema	clay, sand, loam) silty clay stic Soils 1
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0 NRCS Hydric S	group): tion (Describe to the Depth 20	Horizon 1	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3 s are not p	(Type: C=Concen	Col 10YR	rainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Grains; Location: Pi	LePore Lining, M=Matrix) Location M	or Problema Muck (MLRA 14	clay, sand, loam) silty clay tic Soils 1
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 NRCS Hydric S 1- Histosol 12 - Histic Epipe	group): tion (Describe to the Depth	Horizon 1	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3 s are not p	(Type: C=Concen	Col 10YR	rainage Class: or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Grains; Location: PI Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm N A16 - Coast F	pr Problema Muck (MLRA 14 Prairie Redox (clay, sand, loam) silty clay titic Soils ¹ 7) MLRA 147, 148)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 NRCS Hydric S 11- Histosol 2 - Histic Epipe 3 - Black Histic	group): tion (Describe to the Depth	Horizon 1	Color (10YR 2.5Y a if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su	Matrix Moist) 6/6 6/3 s are not p Redox d Matrix urface	(Type: C=Concent	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Grains; Location: Programs; Location: Programs	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm M A16 - Coast F19 - Piedmor	or Problema Muck (MLRA 14 Prairie Redox (at Floodplain S	clay, sand, loam) silty clay titic Soils 1 77 MLRA 147, 148) oills (MLRA 136, 147)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3 s are not peedox fridace ge Below Da	(Type: C=Concer	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm N A16 - Coast F F19 - Piedmor TF12 - Very	or Problema Juck (MLRA 14 Prairie Redox (th t Floodplain S Shallow Da	clay, sand, loam) silty clay tic Soils ¹ 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1	Color (10YR 2.5Y if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da	Matrix Moist) 6/6 6/3 s are not peedox d Matrix irface le Below Dark Surface	(Type: C=Concern	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm N A16 - Coast f F19 - Piedmor TF12 - Very	or Problema Juck (MLRA 14 Prairie Redox (th t Floodplain S Shallow Da	clay, sand, loam) silty clay tic Soils ¹ 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1 dicators (check here	Color (10YR 2.5Y a if indicators S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu, S9 - Thin Da F2 - Loamy 0	Matrix Moist) 6/6 6/3 s are not peedox d Matrix urface ue Below Da rk Surface Gleyed Matri	(Type: C=Concern	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm N A16 - Coast F F19 - Piedmor TF12 - Very	or Problema Juck (MLRA 14 Prairie Redox (th t Floodplain S Shallow Da	clay, sand, loam) silty clay tic Soils ¹ 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth	Horizon 1 dicators (check here	Color (10YR 2.5Y	Matrix Moist) 6/6 6/3 Redox I Matrix Irface I Below Da rk Surface Gleved Matt Gleved Matt Gleved Matix	(Type: C=Concer % 60 30 -	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm N A16 - Coast F F19 - Piedmor TF12 - Very	or Problema Juck (MLRA 14 Prairie Redox (th t Floodplain S Shallow Da	clay, sand, loam) silty clay tic Soils ¹ 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface
SOILS Map Unit Name: Taxonomy (Subprofile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1	Color (10YR 2.5Y if indicators \$5 - Sandy F \$6 - Stripped \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox D	Matrix Moist) 6/6 6/3 s are not p Redox I Matrix Irface Jee Below De Rr Surface Geleyed Mati Dark Surface Dark Surface	(Type: C=Concer 9% 60 30	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm N A16 - Coast F F19 - Piedmor TF12 - Very	or Problema Juck (MLRA 14 Prairie Redox (th t Floodplain S Shallow Da	clay, sand, loam) silty clay tic Soils ¹ 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1	Color (10YR 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 6/6 6/3 s are not p Redox I Matrix Irface Below Di rk Surface Gleyed Matt d Matrix Jark Surface d Dark Surf	(Typer C=Concern 9% 60 30	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm M A16 - Coast R F19 - Piedmor TF12 - Very Other (Explain	or Problema Muck (MLRA 14 Prairie Redox (th t Floodplain S Shallow Da ain in Reman	clay, sand, loam) silty clay tic Soils 1 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface ks)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1	Color (10YR 2.5Y if indicators \$5 - Sandy F \$6 - Stripped \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox D	Matrix Moist) 6/6 6/3 s are not p Redox I Matrix Irface Below Di rk Surface Gleyed Matt d Matrix Jark Surface d Dark Surf	(Typer C=Concern 9% 60 30	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm M A16 - Coast R F19 - Piedmor TF12 - Very Other (Explain	or Problema Muck (MLRA 14 Prairie Redox (th t Floodplain S Shallow Da ain in Reman	clay, sand, loam) silty clay tic Soils ¹ 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1	Color (10YR 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 6/6 6/3 s are not p Redox If Matrix Inface Is Below Dark Surface Gleyed Mati Dark Surface Dark Surface Dark Surface Dark Surface Dark Surface	(Typer C=Concern 9% 60 30	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm M A16 - Coast H F19 - Piedmor TF12 - Very Other (Expla	or Problema Muck (MLRA 14 Prairie Redox (th t Floodplain S Shallow Da ain in Reman	clay, sand, loam) silty clay tic Soils 1 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface ks)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1	Color (10YR 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 6/6 6/3 s are not p Redox I Matrix Irface Below Di rk Surface Gleyed Matt d Matrix Jark Surface d Dark Surf	(Type: C=Concer	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm M A16 - Coast H F19 - Piedmor TF12 - Very Other (Expla	r Problema fluck (MLRA 14 Prairie Redox (th Floodplain S Shallow Da ain in Reman	clay, sand, loam) silty clay tic Soils 1 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface ks)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1	Color (10YR 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 6/6 6/3 s are not p Redox If Matrix Inface Is Below Dark Surface Gleyed Mati Dark Surface Dark Surface Dark Surface Dark Surface Dark Surface	(Type: C=Concer	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm M A16 - Coast H F19 - Piedmor TF12 - Very Other (Expla	r Problema fluck (MLRA 14 Prairie Redox (th Floodplain S Shallow Da ain in Reman	clay, sand, loam) silty clay tic Soils 1 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface ks)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1 dicators (check here	Color (10YR 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 6/6 6/3 s are not p Redox If Matrix Inface Below Dark Surface Gleyed Matt d Matrix Dark Surface d Dark Surface Dark Surface	(Type: C=Concer	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm M A16 - Coast H F19 - Piedmor TF12 - Very Other (Expla	r Problema fluck (MLRA 14 Prairie Redox (th Floodplain S Shallow Da ain in Reman	clay, sand, loam) silty clay tic Soils 1 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface ks)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Depth 20	Horizon 1 dicators (check here	Color (10YR 2.5Y if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Deplete F6 - Redox E F7 - Deplete	Matrix Moist) 6/6 6/3 s are not p Redox If Matrix Inface Below Dark Surface Gleyed Matt d Matrix Dark Surface d Dark Surface Dark Surface	(Type: C=Concer	Col 10YR):	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	Mottles % 10	Grains; Location: P Type C	LePore Lining, M=Matrix) Location M Indicators fc A10 - 2cm M A16 - Coast H F19 - Piedmor TF12 - Very Other (Expla	r Problema fluck (MLRA 14 Prairie Redox (th Floodplain S Shallow Da ain in Reman	clay, sand, loam) silty clay tic Soils 1 7) MLRA 147, 148) oils (MLRA 136, 147) rk Surface ks)



Project/Site:	Ware Road - Seaman 138 kV Transmission Line Pr	oject			Wetland ID: Wetland 6 Sample Point SP 18
VEGETATION	(Species identified in all uppersons are non-notive a	nasias \			
	(Species identified in all uppercase are non-native soft size: 30 ft radius)	pecies.)			
Tree otratem (Fie	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 2
	Total Cover =	0			FACW spp. 2 X 2 = 4
					FAC spp. 21 X 3 = 63
Sapling/Shrub Stra	atum (Plot size: 15 ft radius)				FACU spp91
1.	Rubus allegheniensis	1	N	FACU	UPL spp. 0
2.	Platanus occidentalis	1	N	FACW	
3.					Total 116 (A) 433 (B)
4.					
5.					Prevalence Index = B/A =
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes 🔲 🛂 No Rapid Test for Hydrophytic Vegetation
10.					Yes ☐ ☑ No Dominance Test is > 50%
	Total Cover =	2			Yes ☐ ☑ No Prevalence Index is ≤ 3.0 *
					Yes ☐ ☑ No Morphological Adaptations (Explain) *
	t size: 5 ft radius)			EAGU	Yes ☐ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Sporobolus neglectus	60	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
2.	Andropogon virginicus	20	N N	FACU	present, unless disturbed or problematic.
3.	Dichanthelium clandestinum	15	N	FAC	Definitions of Variation Strate.
4. 5.	Solidago canadensis	10 3	N N	FACU	Definitions of Vegetation Strata:
6	Symphyotrichum pilosum			FAC	Troo
7.	Dichanthelium acuminatum	2	N N	FAC OBL	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
8.	Bidens trichosperma Ludwigia alternifolia	1	N	FACW	
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
10.	Total Cover =				, , , ,
	Total Gover =	114			
Woody Vine Strati	um (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☐ Yes ☑ No
4.					
5.					
-	Total Cover =	0			
Remarks:		-			
Additional Ren	marks:				
	-				



Are Vegetation [American B Aaron Kwo Clifty silt loar Floodplain ~0 rologic cond ¬, Soil ¬, Co ¬, Soil ¬, Co FINDINGS	Latitude titions on the site type or Hydrology hatte	e: 39.09380 oical for this tir ificantly distu	Invest Loc L ne of year rbed?	cal Relief: ongitude: r? (If no, exp	Dan Sci WI/WWI Linear -83.163 Dalain in rema	Classification:	Datum: ✓ Yes □ umstances pres	No sent? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range:	SP 19 : UPLAND Dir:
Primary:	A1 - Surface A2 - High Wa A3 - Saturati B1 - Water N B2 - Sedime B3 - Drift De B4 - Algal Ma B5 - Iron Dep B7 - Inundati	ater Table on farks nt Deposits posits at or Crust		e not pres	B9 - Wate B13 - Aqu B14 - Tru C1 - Hydr C3 - Oxid C4 - Pres	natic Fauna e Aquatic ogen Sulfi ized Rhizo ence of Re ent Iron Re Muck Suri	a Plants de Odor spheres on Livir educed Iron eduction in Tilled face			B10 - Drainage B16 - Moss Trir C2 - Dry Seaso C8 - Crayfish B C9 - Saturation	egetated Concave Surface Patterns m Lines on Water Table urrows Visible on Aerial Imagery Stressed Plants nic Position quitard graphic Relief
Surface Water P Water Table Pre Saturation Prese	Present? esent? ent?	Yes V No Yes V No Yes V No No am gauge, monitorin	Depth: Depth: Depth: ng well, aerial p		(in.) (in.) (in.) evious insp	pections),	if available:	Wetland Hyd	N/A	esent?]Yes ☑ No
SOILS Map Unit Name: Taxonomy (Subs		am, occasionally flo	ooded		(Series Di	ainage Class:	: moderately w	ell drained		
Profile Descript	tion (Describe to the	e depth needed to document the indi	cator or confirm the absen	ce of indicators.)	(Type: C=Concen	tration, D=Deple	tion, RM=Reduced Matrix,	CS=Covered/Coated Sand	Grains; Location: PL	=Pore Lining, M=Matrix)	
Тор	Bottom			Matrix				Mottles			Texture
Depth	Depth	Horizon	Color (l	Moist)	%	Co	or (Moist)	%	Type	Location	(e.g. clay, sand, loam)
0	16	1	10YR	3/4	100						silt loam
										-	
										-	
NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark 1 - Sandy Muck 4 - Sandy Gleye	don ulfide yers ((LRR N) Below Dark Su Surface (Mineral (LRR N		re if indicators S5 - Sandy R S6 - Stripped S7 - Dark Su S8 - Polyvalu S9 - Thin Dai F2 - Loamy (F3 - Deplete F6 - Redox C F8 - Redox C	dedox I Matrix I Matrix I Matrix I Matrix I Matrix I Surface I Gleyed Mat I Matirx I Matrix I Matrix I Matrix I Mark Surface I Dark Surface	ark Surface (MLRA 147, 148) rix e ace		☐ F13 - Un ☐ F19 - Pie	n-Manganese Manbric Surface (MLR admont Floodplain at Parent Materia	A 122, 136) E 1 SOIIS (MLRA (L E I (MLRA 127, 147)	A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	or Problematic Soils 1 Muck (MLRA 147) Prairie Redox (MLRA 147, 148) It Floodplain Soils (MLRA 136, 147) Shallow Dark Surface ain in Remarks)
Restrictive Layer (If Observed)	Type:			Depth:				Hydric Soil F	Present?		Yes ☑ No
Remarks:											



Project/Site:	Ware Road - Seaman 138 kV Transmission Line Pr	roject			Wetland ID: N/A Sample Point SP 19
VEGETATION Tree Stratum (Plo	(Species identified in all uppercase are non-native s	pecies.)			
Tree Stratum (Plo	Species Name	% Cover Do	ominant	Ind.Status	Dominance Test Worksheet
1.	Acer negundo	30	Y	FAC	Dominance rest Worksheet
2.	Ulmus americana	10	Y	FACW	Number of Dominant Species that are OBL, FACW, or FAC: 4 (A)
3.					, · · · · · · · · · · · · · · · · · · ·
4.					Total Number of Dominant Species Across All Strata: 6 (B)
5.					·
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
7.					
8.				-	Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 = 0
	Total Cover =	40			FACW spp. 15
					FAC spp. 85
	tum (Plot size: 15 ft radius)				FACU spp
1.	Acer negundo	30	Υ	FAC	UPL spp. 0 x 5 = 0
2.					
3.					Total 150 (A) 485 (B)
4.					Decile and the DA
5.					Prevalence Index = B/A =
6. 7.					
8.	_ 				Hydranhytia Vagatatian Indicators:
9.					Hydrophytic Vegetation Indicators: Yes □ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes □ ☑ No Rapid Test for Hydrophytic Vegetation Yes ☑ □ No Dominance Test is > 50%
10.	Total Cover =				Yes □ ✓ No Prevalence Index is ≤ 3.0 *
	Total Cover =	30			
Herb Stratum (Plot	size: 5 ft radius)				Yes ☐ ☑ No Morphological Adaptations (Explain) * Yes ☐ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Ambrosia trifida	20	Υ	FAC	Tes a b No Problem Hydrophytic Vegetation (Explain)
2.	Galium aparine	20	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Viola sororia	5	N	FAC	present, unless disturbed or problematic.
4.	Alliaria petiolata	30	Υ	FACU	Definitions of Vegetation Strata:
5.	Elymus virginicus	5	N	FACW	
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.					tan.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					and woody pranto 1000 than 0.20 ft. tail.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	80			
	(7)				
	m (Plot size: 30 ft radius)				
1.					
2. 3.	_ 				Hydrophytic Vegetation Present ☑ Yes ☐ No
3. 4.					Trydrophytic vegetation Fresent 12 Tes 12 No
5.					
J	Total Cover =	0			
Remarks:	i otal covel =	U			
. tomanto.					
<u> </u>					
Additional Ren	narks:				
, additional item	idi No.				



Project/Site:	Ware Road -	Seaman 138 kV Transr	nission Line Pr	roject		Stant	ec Project #:	193704860		Date:	12/08/16		
Applicant:		Electric Power								County:	Pike		
Investigator #1:				Invest	igator #2:					State:	Ohio		
Soil Unit:		n, occasionally flooded		1			Classification:	N/A		Wetland ID:			
Landform:	Floodplain	l atituala	20,00000		cal Relief:		4.7	Deture	NADOO	Sample Point:			
Slope (%):	~0		39.09668		ongitude:				NAD83 No	Community ID	: UPLAND		
		tions on the site typic			I! (If no, exp		_{rks)} e normal circu			Section:			
		r Hydrology □signit r Hydrology □hatur				Air	e normai circu Ves		Sent	Township:		D:	
SUMMARY OF F		n nyurology 🗀 latur	ally problem	alic?			E Tes	NO		Range:		Dir:	
Hydrophytic Veg		ont?		☐ Yes	. ☑ No			Hydric Soils	Drocont?		Ø	Yes 🗆	No
Wetland Hydrolo				☐ Yes						Vithin A Wetla		Yes 🔟	No
Remarks:	gy Fresent?				E NO			is this same	Jilly Follit v	vitilii A weta	anu!	res 😐	NO
rtomants.													
HYDROLOGY													
	la mulhadia a	tone (Chaolahana it i			- \-				0				
Wetland Hydro Primary:		tors (Check here if in	ndicators are	e not pres	ent):	V			Secondary:	B6 - Surface So	oil Crooke		
	A1 - Surface	Water			B9 - Wate	r-Stained	Leaves			B8 - Sparsely V		cave Surface	
	A2 - High Wa				B13 - Aqu					B10 - Drainage			
	A3 - Saturation	on			B14 - True					B16 - Moss Tri	m Lines		
	B1 - Water M				C1 - Hydr			5 .		C2 - Dry Seaso		le	
	B2 - Sedimer B3 - Drift Der						spheres on Livin educed Iron	ig Roots		C8 - Crayfish B C9 - Saturation		orial Imagany	
	B4 - Algal Ma						duction in Tilled	Soils		D1 - Stunted or			
	B5 - Iron Dep				C7 - Thin					D2 - Geomorph	nic Position		
	B7 - Inundati	on Visible on Aerial Imaç	gery		Other (Ex	plain in Re	marks)			D3 - Shallow A			
										D4 - Microtopo		f	
										D5 - FAC-Neut	rai rest		
Field Observati													
Surface Water F		☐ Yes ☑ No	Depth:		(in.)			Wetland Hyd	drology Pro	esent?	Yes ☑	No	
Water Table Pre		☐ Yes ☑ No	Depth:		(in.)			,					
Saturation Prese	ent?	☐ Yes ☑ No	Depth:		(in.)								
Describe Recorde	ed Data (stre	am gauge, monitoring	well, aerial p	hotos, pre	wioue iner	ootiona)	if available:		NI/A				
				,	vious irisp	ections),	ii avallable.		N/A				
Remarks:				, p	vious irisp	ections),	ii avallable.		N/A				
Remarks:			•	, p	rvious irisp	ections),	ii avaliable.		N/A				
Remarks: SOILS				, , , , ,	svious irisp	ections),	ii avallable.		N/A				
SOILS	Clifty silt lo	am, occasionally floo	oded		·	,,,	ainage Class:	moderately w					
SOILS		am, occasionally floc	oded	, ,	·	,,,		moderately w					
SOILS Map Unit Name: Taxonomy (Subs	group):					Series Dr	ainage Class:	•	vell drained	.=Pore Lining, M=Matrix)			
SOILS Map Unit Name: Taxonomy (Subs	group):	am, occasionally floc				Series Dr	ainage Class:	•	vell drained	.=Pore Lining, M=Matrix)		Texture	
SOILS Map Unit Name: Taxonomy (Subprofile Description	group): tion (Describe to th			ace of indicators.) Matrix		Series Dr	ainage Class:	CS=Covered/Coated Sand	vell drained	.=Pore Lining, M=Matrix)	(e.g.	Texture clay, sand, k	oam)
SOILS Map Unit Name: Taxonomy (Subperofile Description	group): tion (Describe to the Bottom	e depth needed to document the indical	tor or confirm the absen	ace of indicators.) Matrix	(Type: C=Concen	Series Dr	ainage Class:	CS=Covered/Coated Sand	vell drained		(e.g.		oam)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth	group): tion (Describe to the Bottom Depth	e depth needed to document the indicated Horizon	tor or confirm the absen	nce of indicators.) Matrix Moist)	(Type: C=Concent	Series Dr	ainage Class: ion, RM=Reduced Matrix. or (Moist)	CS=Covered/Coated Sand Mottles %	vell drained Grains; Location: PL Type	Location	(e.g.	clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Substitution of the Control of the	group): tion (Describe to the Bottom Depth	e depth needed to document the indicate Horizon	Color (I	Matrix Moist) 3/3	(Type: C=Concen	Series Dr	ainage Class: ion, RM=Reduced Matrix, 1 or (Moist)	CS=Covered/Coated Sand Mottles %	vell drained I Grains; Location: PL Type	Location 	(e.g.	clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 1	group): tion (Describe to the Bottom Depth 15	e depth needed to document the indical Horizon 1 2	Color (I	Matrix Moist) 3/3 4/1	(Type: C=Concent	Series Dr tration, D=Deplet Col	ainage Class: ion, RM=Reduced Matrix, for (Moist) 6/8	CS=Covered/Coated Sand Mottles % 8	vell drained Grains: Location: PL Type C	Location M	(e.g.	clay, sand, lo clay clay	oam)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 1	group): tion (Describe to the Bottom Depth 15	e depth needed to document the indicate Horizon 1 2	Color (I	Matrix Moist) 3/3 4/1	(Type: C=Concent	Series Dr tration, D=Deplet Col 10YR	ainage Class: ion, RM=Reduced Matrix, 1 or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 8	vell drained I Grains: Location: PL Type C	Location M	(e.g.	clay, sand, lo clay clay 	oam)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 1	group): tion (Describe to the Bottom Depth 15	Horizon 1 2	Color (I	Matrix Moist) 3/3 4/1	(Type: C=Concent	Series Dr tration, D=Deplet Col 10YR	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 8	vell drained Grains: Location: PL Type C	Location M	(e.g.	clay, sand, lo clay clay 	oam)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 1	group): tion (Describe to the Depth	e depth needed to document the indicate Horizon 1 2	Color (I	Matrix Moist) 3/3 4/1	(Type: C=Concern	Series Dr tration, D=Deplete Col 10YR	ainage Class: ion, RM=Reduced Matrix, for (Moist) 6/8	CS=Covered/Coated Sand Mottles %6 8	vell drained Grains: Location: PL Type C	Location M	(e.g.	clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 1	group): tion (Describe to the Depth	Horizon 1 2	Color (I	Matrix Moist) 3/3 4/1	(Type: C=Concern	Series Dr tration, D=Deplet Col 10YR	ainage Class: ion, RM=Reduced Matrix, for (Moist) 6/8	CS=Covered/Coated Sand Mottles % 8	vell drained Grains: Location: PL Type C	Location M	(e.g.	clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Subp Profile Descript Top Depth 0 1	group): tion (Describe to the Depth 1	Horizon 1 2	Color (I	wee of indicators.) Matrix Moist) 3/3 4/1	% 100 92	Series Dr tration, D=Deplet Col 10YR	ainage Class: ion, RM=Reduced Matrix, for (Moist) 6/8	CS=Covered/Coated Sand Mottles % 8	vell drained Grains: Location: PL Type C	Location M		clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Subgerofile Description Top Depth 0 1 NRCS Hydric S	group): tion (Describe to the Depth	e depth needed to document the indicate Horizon 1 2	Color (I	Matrix Moist) 3/3 4/1 s are not p. Redox	% 100 92	Series Dr tration, D=Deplet Col 10YR	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles %6 8 m-Manganese Ma	vell drained Grains; Location: PL Type C	Location M Indicators fo	or Problemat Muck (MLRA 147)	clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe	group): tion (Describe to the Depth	e depth needed to document the indicate Horizon 1 2	Color (I	Matrix Moist) 3/3 4/1 s are not pleedox	% 100 92	Series Dr tration, D=Deplet Col 10YR	ainage Class: ion, RM=Reduced Matrix, or (Moist) 6/8	CS=Covered/Coated Sand Mottles % 8	vell drained Grains; Location: PL Type C asses (LRR N, N. RA 122, 136)	Location M Indicators fc A10 - 2cm N A16 - Coast	or Problemat Muck (MLRA 147) Prairie Redox (M	clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Subg Profile Descript Top Depth 0 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic	Bottom Depth 1 15 Soil Field Ind	e depth needed to document the indicate Horizon 1 2	Color (I 10YR 10YR if indicators S5 - Sandy R S6 - Stripped S7 - Dark Su	Matrix Moist) 3/3 4/1 s are not p Redox Id Matrix	(Type: C=Concern %	Series Dr tration, D=Deplet Col 10YR):	ainage Class: ion, RM=Reduced Matrix, 1 or (Moist) 6/8	CS=Covered/Coated Sand Mottles %6 8 m-Manganese Ma	vell drained Grains: Location: PL Type C asses (LRR N, N, RA 122, 136) [In Soils (MLRA E)	Location M Indicators for A10 - 2cm M A16 - Coast II F19 - Piedmor	pr Problemat Muck (MLRA 147) Prairie Redox (M nt Floodplain So	clay, sand, lo	oam)
SOILS Map Unit Name: Taxonomy (Subperfile Description Top Depth 0 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S	group): tion (Describe to the Bottom Depth 1 15	e depth needed to document the indicate Horizon 1 2	Color (I 10YR 10YR 10YR pf indicators S5 - Sandy R S6 - Stripped S7 - Dark Su S8 - Polyvalu	Matrix Moist) 3/3 4/1 s are not peeds # Matrix # Moist of the control	(Type: C=Concen % 100 92 present	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	Mottles % 8	Vell drained Type C asses (LRR N, M RA 122, 136) [In Soils (MLRA [In Soils (MLRA [Location M Indicators fc A10 - 2cm M A16 - Coast I F19 - Piedmor TF12 - Very	or Problemat Muck (MLRA 147) Prairie Redox (M ht Floodplain Sor Shallow Dari	clay, sand, locally clay clay clay clay clay clay clay	oam)
SOILS Map Unit Name: Taxonomy (Subgerofile Description Top Depth 0 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La	group): tion (Describe to the Depth	e depth needed to document the indicate Horizon 1 2	Color (I 10YR 10YR 10YR if indicators \$5 - Sandy R \$6 - Stripped \$5 - Polyvalu \$9 - Thin Dai	Matrix Moist) 3/3 4/1 s are not p Redox I Matrix riface le Below Di rk Surface	(Type: C=Concen	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 8	Vell drained Type C asses (LRR N, M RA 122, 136) [In Soils (MLRA [Location M Indicators fc A10 - 2cm M A16 - Coast I F19 - Piedmor TF12 - Very	pr Problemat Muck (MLRA 147) Prairie Redox (M nt Floodplain So	clay, sand, locally clay clay clay clay clay clay clay	oam)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 1 NRCS Hydric S 1- Histosol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10-2 cm Muck 11- Depleted E	Bottom Depth 1 15 Soil Field Ind don Ulfide LURR N) Selow Dark Su	Horizon 1 2 dicators (check here	Color (I 10YR 10YR 10YR if indicators S5 - Sandy R S6 - Stripped S7 - Dark Su S8 - Polyvalu S9 - Thin Dar F2 - Loamy (Matrix Moist) 3/3 4/1 s are not peedox Matrix Matrix Moist)	(Type: C=Concen	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	Mottles % 8	Vell drained Type C asses (LRR N, M RA 122, 136) [In Soils (MLRA [Location M Indicators fc A10 - 2cm M A16 - Coast I F19 - Piedmor TF12 - Very	or Problemat Muck (MLRA 147) Prairie Redox (M ht Floodplain Sor Shallow Dari	clay, sand, locally clay clay clay clay clay clay clay	oam)
SOILS Map Unit Name: Taxonomy (Subperofile Description Top Depth 0 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck 11 - Depleted E 11 - Thick Dark	group): tion (Describe to the Depth	Horizon 1 2 dicators (check here	cor or confirm the absence of the confirmation	Matrix Moist) 3/3 4/1 s are not pledox if Matrix ifface are Below Dark Surface Surface Mat d Matirx Dark Surface Surface Surface Surface Surface Matrix Surface Matrix Surface Surface Surface Matrix Dark Surface	(Type: C=Concen 9% 100 92	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	Mottles % 8	Vell drained Type C asses (LRR N, M RA 122, 136) [In Soils (MLRA [Location M Indicators fc A10 - 2cm M A16 - Coast I F19 - Piedmor TF12 - Very	or Problemat Muck (MLRA 147) Prairie Redox (M ht Floodplain Sor Shallow Dari	clay, sand, locally clay clay clay clay clay clay clay	oam)
SOILS Map Unit Name: Taxonomy (Subgerofile Description Top Depth O 1 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muckel 11 - Depleted E 12 - Thick Dark 1 - Sandy Muckel 11 - Sandy Muckel 11 - Sandy Muckel	group): tion (Describe to the Depth	Horizon 1 2 dicators (check here	Color (I 10YR 10YR 10YR if indicators \$5 - Sandy R \$6 - Stripped \$8 - Polyvalu \$9 - Thin Dan F2 - Loamy (F6 - Redox D F7 - Depleted	Matrix Moist) 3/3 4/1 s are not p Redox I Matrix Irrace Is Below Di rk Surface Gleyed Mat d Matirx Dark Surface d Dark Surface	(Type: C=Concen % 100 92 present ark Surface (MLRA 147, 148) rix e	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 8	vell drained Grains; Location: PL Type C asses (LRR N, N RA 122, 136) [In Soils (MLRA 127, 147)]	Location M	pr Problemat Muck (MLRA 147) Prairie Redox (M Tr Floodplain So Shallow Dari ain in Remark	clay, sand, locally clay clay clay clay clay clay clay	
SOILS Map Unit Name: Taxonomy (Suby Profile Descript Top Depth 0 1 NRCS Hydric S 1- Histicsol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10- 2 cm Muck 11- Depleted E 12- Thick Dark 11- Sandy Muck 4- Sandy Gleye Restrictive Layer	group): tion (Describe to the Depth	Horizon 1 2 dicators (check here	cor or confirm the absence of the confirmation	Matrix Moist) 3/3 4/1 s are not p Redox I Matrix Irrace Is Below Di rk Surface Gleyed Mat d Matirx Dark Surface d Dark Surface	(Type: C=Concen % 100 92 present ark Surface (MLRA 147, 148) rix e	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 8	Vell drained Grains: Location: PL Type C asses (LRR N, N A 122, 136) [In Soils (MLRA 127, 147) MILRA 127, 147)	Location M Indicators fc A10 - 2cm M A16 - Coast II F19 - Piedmor TF12 - Very Other (Expla	pr Problemat Muck (MLRA 147) Prairie Redox (M Tr Floodplain So Shallow Dari ain in Remark	clay, sand, lu clay clay ic Soils IlLRA 147, 148) ils (MLFA 136, 147) k Surface is)	
SOILS Map Unit Name: Taxonomy (Suby Profile Descript Top Depth 0 1 NRCS Hydric S 1- Histosol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10- 2 cm Muck 11- Depleted E 12- Thick Dark 11- Sandy Muck 4- Sandy Gleyt Restrictive Layer (If Observed)	group): tion (Describe to the Depth	Horizon 1 2 dicators (check here	Color (I 10YR 10YR 10YR if indicators \$5 - Sandy R \$6 - Stripped \$8 - Polyvalu \$9 - Thin Dan F2 - Loamy (F6 - Redox D F7 - Depleted	Moist) 3/3 4/1 s are not pleedox If Matrix Ifface Below Dark Surface d Dark Surface	(Type: C=Concen % 100 92 present ark Surface (MLRA 147, 148) rix e	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 8 n-Manganese Mabric Surface (MLF) dmont Floodplai d Parent Materia	Vell drained Grains: Location: PL Type C asses (LRR N, N A 122, 136) [In Soils (MLRA 127, 147) MILRA 127, 147)	Location M Indicators fc A10 - 2cm M A16 - Coast II F19 - Piedmor TF12 - Very Other (Expla	or Problemat Muck (MLRA 147) Prairie Redox (M. nt Floodplain Sor Shallow Darl ain in Remark	clay, sand, lu clay clay ic Soils IlLRA 147, 148) ils (MLFA 136, 147) k Surface is)	
SOILS Map Unit Name: Taxonomy (Suby Profile Descript Top Depth 0 1 NRCS Hydric S 1- Histicsol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10- 2 cm Muck 11- Depleted E 12- Thick Dark 11- Sandy Muck 4- Sandy Gleye Restrictive Layer	group): tion (Describe to the Depth	Horizon 1 2 dicators (check here	Color (I 10YR 10YR 10YR if indicators \$5 - Sandy R \$6 - Stripped \$8 - Polyvalu \$9 - Thin Dan F2 - Loamy (F6 - Redox D F7 - Depleted	Moist) 3/3 4/1 s are not pleedox If Matrix Ifface Below Dark Surface d Dark Surface	(Type: C=Concen % 100 92 present ark Surface (MLRA 147, 148) rix e	Series Dr Col 10YR (MLRA 147, 12	ainage Class: or (Moist) 6/8 F12 - Iror F13 - Um F19 - Pie	CS=Covered/Coated Sand Mottles % 8 n-Manganese Mabric Surface (MLF) dmont Floodplai d Parent Materia	Vell drained Grains: Location: PL Type C asses (LRR N, N A 122, 136) [In Soils (MLRA 127, 147) MILRA 127, 147)	Location M Indicators fc A10 - 2cm M A16 - Coast II F19 - Piedmor TF12 - Very Other (Expla	or Problemat Muck (MLRA 147) Prairie Redox (M. nt Floodplain Sor Shallow Darl ain in Remark	clay, sand, lu clay clay ic Soils IlLRA 147, 148) ils (MLFA 136, 147) k Surface is)	



Project/Site:	Ware Road - Seaman 138 kV Transmission Lin	e Project			Wetland ID: N/A Sample Point SP 20
					·
VEGETATION	(Species identified in all uppercase are non-nati	ve species.)			
Tree Stratum (Plo	size: 30 ft radius)				
	Species Name	% Cover Dor	minant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: (A)
3.					
4.					Total Number of Dominant Species Across All Strata:4 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp 0
	Total Cove	er = 0			FACW spp. $0 X 2 = 0$
					FAC spp. 45 X 3 = 135
	tum (Plot size: 15 ft radius)				FACU spp65
1.	Rubus allegheniensis	25	Υ	FACU	UPL spp 0
2.					
3.					Total 110 (A) 395 (B)
4.					
5.					Prevalence Index = B/A =
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes ☐ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes ☐ ☑ No Dominance Test is > 50%
	Total Cove	er = 25			Yes ☐ ☑ No Prevalence Index is ≤ 3.0 *
					Yes ☐ ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Plot	size: 5 ft radius)				Yes ☐ ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Lonicera japonica	20	Υ	FAC	* Indicators of hydric soil and wetland hydrology must be
2.	Dichanthelium clandestinum	20	Υ	FAC	present, unless disturbed or problematic.
3.	Solidago altissima	5	N	FACU	
4.	Schedonorus arundinaceus	30	Υ	FACU	Definitions of Vegetation Strata:
5.	Poa pratensis	5	N	FACU	
6	Juncus tenuis	5	N	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.					Carl.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					and modely promo 1000 than 10.20 It talls
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cove	er = 85			
-	m (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☐ Yes ☑ No
4.					
5.					
<u> </u>	Total Cove	er = 0			
Remarks:					
Additional Ren	narks:				
I					



Project/Site:		Seaman 138 kV Transn	nission Line Pro	ject		Stant	ec Project #:	193704860		Date:	03/29/17		
Applicant:		Electric Power								County:	Adams		
Investigator #1: Soil Unit:		I ilt Loam 0-3% Slopes		Invest	igator #2:		ting Classification:	NI/A		State: Wetland ID:	Ohio		
Landform:	Toeslope	iii Loam 0-3% Siopes		Loc	al Relief:			IN/A		Sample Point:			
Slope (%):	~0	Latitude	e: 39.01888		ongitude:			Datum:	NAD83	Community ID:			
		tions on the site typ						☑ Yes □		Section:			
Are Vegetation [□, Soil □,o	r Hydrology □sign	ificantly distu	ırbed?			e normal circu	mstances pres	sent?	Township:			
		r Hydrology □hatu	rally problem	natic?			☑ Yes	□ No		Range:		Dir:	
SUMMARY OF I													
Hydrophytic Veg				☑ Yes	_			Hydric Soils F				Yes □ No	
Wetland Hydrold	ogy Present?			☑ Yes	□ No			Is This Samp	ling Point W	/ithin A Wetla	and?	Yes No	O
Remarks:													
HYDROLOGY													
	lami Indiaa	tone (Chook hone if	in diaptore or						0				
Primary:		tors (Check here if	indicators are	e not pres	ent):				Secondary:	B6 - Surface So	oil Cracks		
V	A1 - Surface	Water			B9 - Wate	er-Stained	Leaves			B8 - Sparsely Ve		ve Surface	
☑ □	A2 - High Wa					atic Fauna				B10 - Drainage			
	A3 - Saturation B1 - Water M			□		e Aquatic I ogen Sulfic				B16 - Moss Trir C2 - Dry Seaso			
	B2 - Sedimer						spheres on Livin	g Roots		C8 - Crayfish B	urrows		
	B3 - Drift Dep						educed Iron	0.11		C9 - Saturation			
	B4 - Algal Ma B5 - Iron Der					ent Iron Re Muck Surf	duction in Tilled	Soils		D1 - Stunted or D2 - Geomorph		nts	
✓		on Visible on Aerial Ima	agery			plain in Re				D3 - Shallow Ad	quitard		
										D4 - Microtopog			
Field Observati										D5 - FAC-Neuli	idi 1621		
Field Observati Surface Water F		☑ Yes □ No	Danth	. 4	(in)								
Water Table Pre		☑ Yes ☐ No	Depth: Depth:		(in.) (in.)			Wetland Hyd	drology Pre	esent?	l Yes □	No	
Saturation Prese		☑ Yes □ No		Surface	. ,								
Describe Records	ad Data (stre	am gauge, monitorin			. ,	nections)	if available:		N/A				
Docombo Mocordo	od Bata (otro	am gaago, montom	g won, aonai p	oriotoo, pro									
Remarks:													
Remarks:													
SOILS					·	, ,							
SOILS Map Unit Name:		Silt Loam 0-3% Slo	pes			, ,	ainage Class:						
SOILS Map Unit Name: Taxonomy (Sub	group):					Series Dr	ainage Class:						
SOILS Map Unit Name: Taxonomy (Sub-	group): tion (Describe to th	Silt Loam 0-3% Slo				Series Dr	ainage Class:			=Pore Lining, M=Matrix)		Toytura	
SOILS Map Unit Name: Taxonomy (Subprofile Descriptor) Top	group): tion (Describe to the Bottom	e depth needed to document the indic	ator or confirm the abser	Matrix	(Type: C=Concen	Series Dr	rainage Class:	Mottles	Grains; Location: PL-		(e.g. c	Texture	n)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth	group): tion (Describe to the Bottom Depth		cator or confirm the abser	Matrix (Moist)	(Type: C=Concen	Series Dr	rainage Class:	Mottles %	Grains; Location: PL-	Location	` Ŭ	lay, sand, loan	n)
SOILS Map Unit Name: Taxonomy (Subprofile Descriptor) Top	group): tion (Describe to the Bottom	e depth needed to document the indic	ator or confirm the abser	Matrix	(Type: C=Concen	Series Dr	rainage Class:	Mottles	Grains; Location: PL-		` Ŭ	lay, sand, loan ty clay loam	n)
SOILS Map Unit Name: Taxonomy (Subperfile Descripe Top Depth 0	group): tion (Describe to the Bottom Depth 10	e depth needed to document the indic Horizon	Color (Matrix (Moist) 5/2	(Type: C=Concen	Series Dr tration, D=Deplet Col 10YR	rainage Class: ion, RM=Reduced Matrix, 0 or (Moist) 4/6	Mottles % 10	Grains; Location: PL-	Location PL	` Ŭ	lay, sand, loan	n)
SOILS Map Unit Name: Taxonomy (Subperfile Descripe Top Depth 0 10	group): tion (Describe to the Bottom Depth 10 18	e depth needed to document the indic Horizon	Color (10YR 10Y	Matrix (Moist) 5/2 6/2	(Type: C=Concern % 90 90	Series Dr tration, D=Deplet Col 10YR 10YR	rainage Class: ion, RM=Reduced Matrix, 0 or (Moist) 4/6 5/6	Mottles % 10 10	Grains: Location: PL Type C C	Location PL PL	` Ŭ	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 10	group): tion (Describe to the Bottom Depth 10 18	e depth needed to document the indic Horizon	Color (10YR 10Y	Matrix (Moist) 5/2 6/2	(Type: C=Concen % 90 90	Series Dr tration, D=Deplet Col 10YR 10YR	rainage Class: on (Moist) 4/6 5/6	Mottles % 10 10	Grains: Location: PL- Type C C	Location PL PL	` Ŭ	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 10	group): tion (Describe to the Bottom Depth 10 18	e depth needed to document the indic Horizon	Color (10YR 10Y	Matrix (Moist) 5/2 6/2	% 90 90	Series Dr tration, D=Deplet Col 10YR 10YR	rainage Class: or (Moist) 4/6 5/6	Mottles % 10 10	Grains: Location: PL- Type C C	Location PL PL	` Ŭ	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 10	group): tion (Describe to the Depth 10 18	e depth needed to document the indice Horizon	Color (10YR 10Y	Matrix Moist) 5/2 6/2	% 90 90	Series Dr tration, D=Deplet Col 10YR 10YR	rainage Class: or (Moist) 4/6 5/6	Mottles % 10 10	Grains; Location: PL Type C C	Location PL PL	` Ŭ	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subpersolution) Top Depth 0 10	group): tion (Describe to the Depth 10 18	e depth needed to document the indice	Color (10YR 10Y	Matrix (Moist) 5/2 6/2	(Type: C=Concen	Series Dr tration, D=Deplet Col 10YR 10YR	rainage Class: or (Moist) 4/6 5/6	Mottles % 10 10	Grains; Location: PL- Type C C	Location PL PL	sil	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 10 NRCS Hydric S	group): tion (Describe to the Depth 10 18	e depth needed to document the indic	Color (10YR 10Y	Matrix (Moist) 5/2 6/2 s are not p	(Type: C=Concen	Series Dr tration, D=Deplet Col 10YR 10YR	rainage Class: ion, RM=Reduced Matrix, of or (Moist) 4/6 5/6	Mottles % 10 10	Grains; Location: PL	Location PL PL Indicators fo	sil	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 10 NRCS Hydric S	group): tion (Describe to the Depth	e depth needed to document the indice	Color (10YR 10Y e if indicators S5 - Sandy F	Matrix (Moist) 5/2 6/2 s are not predox	(Type: C=Concen	Series Dr tration, D=Deplet Col 10YR 10YR	rainage Class: or (Moist) 4/6 5/6	Mottles	Grains; Location: PL- Type C C	Location PL PL Indicators fo	sil	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 10 NRCS Hydric S 11- Histosol 2 - Histic Epipe 3 - Black Histic	group): tion (Describe to the Depth	e depth needed to document the indice	Color (10YR 10Y e if indicators \$5 - Sandy F \$6 - Stripped \$7 - Dark St.	Matrix Moist) 5/2 6/2 s are not p Redox d Matrix urface	(Type: C=Concer	Series Dr tration, D=Deplet Col 10YR 10YR):	ainage Class: or (Moist) 4/6 5/6	Mottles % 10 10	Grains; Location: PL Type C C 38SSES (LRR N, N. A. 122, 136)	Location PL PL Indicators fo A10 - 2cm M A16 - Coast F 19 - Piedmon	r Problematit Auck (MLRA 147) Prairie Redox (ML trioodplain Soils	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 10 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S	group): tion (Describe to the Depth 10 18 Soil Field Incompleted Incom	e depth needed to document the indice	Color (10YR 10Y	Matrix (Moist) 5/2 6/2 s are not precise as are not precise did Matrix urface ue Below Do	(Typer C=Concern % 90 90 90 present	Series Dr tration, D=Deplet Col 10YR 10YR):	ainage Class: or (Moist) 4/6 5/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 10	Grains; Location: PL- Type C C	Location PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very	r Problematie Muck (MLRA 147) Teloodplain Soila Shallow Dark	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subprofile Descript) Top Depth 0 10 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La	group): tion (Describe to the Depth	e depth needed to document the indice	Color (10YR 10Y e if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark SQL \$8 - Polyvalt \$9 - Thin Da	Matrix Moist) 5/2 6/2 s are not predox d Matrix urface urfacedox d Matrix urface urfacedox d Matrix urface	(Type: C=Concern 96 90 90	Series Dr tration, D=Deplet Col 10YR 10YR):	ainage Class: or (Moist) 4/6 5/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 10	Grains; Location: PL- Type C C	Location PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very	r Problematit Auck (MLRA 147) Prairie Redox (ML trioodplain Soils	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 10 NRCS Hydric S 1- Histosol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10-2 cm Much	group): tion (Describe to the Depth	Horizon	Color (10YR 10Y e if indicators S5 - Sandy F S6 - Stripper S7 - Dark St S8 - Polyvalt S9 - Thin Da F2 - Loamy F F3 - Delete	Matrix Moist) 5/2 6/2 s are not p Redox d Matrix urface ue Below D urk Surface Gleved Mat d Matix	(Type: C=Concer % 90 90	Series Dr tration, D=Deplet Col 10YR 10YR):	ainage Class: or (Moist) 4/6 5/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 10	Grains; Location: PL- Type C C	Location PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very	r Problematie Muck (MLRA 147) Teloodplain Soila Shallow Dark	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 10 NRCS Hydric S 1- Histosol 2 - Histosol 2 - Histosol 4 - Hydrogen S 5 - Stratified Le 110 - 2 cm Mucket 111 - Depleted E 112 - Thick Dark	group): tion (Describe to the Depth 10 18	Horizon dicators (check he	Color (10YR 10Y e if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark St. \$8 - Polyvalt \$9 - Thin Da \$7 - Loamy C \$7 - Dark St. \$6 - Redox E \$6 - Redox E	Matrix Moist) 5/2 6/2 s are not packedox d Matrix urface ue Below Dark Surface Gleyed Mat d Matrix Dark Surface Surfa	(Typer C=Concern	Series Dr tration, D=Deplet Col 10YR 10YR):	ainage Class: or (Moist) 4/6 5/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 10	Grains; Location: PL- Type C C	Location PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very	r Problematie Muck (MLRA 147) Teloodplain Soila Shallow Dark	lay, sand, loan ty clay loam silty clay	n)
SOILS Map Unit Name: Taxonomy (Subprofile Descript Top Depth 0 10 NRCS Hydric S 1- Histosol 2- Histic Epipe 3- Black Histic 4- Hydrogen S 5- Stratified La 10-2 cm Much	group): tion (Describe to the Depth 10 18	Horizon dicators (check he	Color (10YR 10Y e if indicators S5 - Sandy F S6 - Stripper S7 - Dark St S8 - Polyvalt S9 - Thin Da F2 - Loamy F F3 - Delete	Matrix Moist) 5/2 6/2 s are not p Redox d Matrix urface gleved Mat d Matrix Dark Surface d Matrix	(Typer C=Concern 96 90 90	Series Dr tration, D=Deplet Col 10YR 10YR):	ainage Class: or (Moist) 4/6 5/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 10	Grains; Location: PL: Type C C	Location PL PL	sil r Problematie fulck (M.RA 147) Prairie Redox (M.L t Floodplain Soils Shallow Dark ain in Remarks	lay, sand, loan ty clay loam silty clay	
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 10 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Mucket 11 - Depleted E 12 - Thick Dark 11 - Sandy Mucket 4 - Sandy Gley Restrictive Layer	group): tion (Describe to the Depth 10 18	Horizon dicators (check he	color (10YR 10Y 10Y e if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalt \$9 - Thin Da \$7 - C - C - C - C - C - C - C - C - C -	Matrix Moist) 5/2 6/2 s are not page and Matrix Inface Jue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surf	(Typer C=Concern 96 90 90	Series Dr tration, D=Deplet Col 10YR 10YR):	ainage Class: or (Moist) 4/6 5/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 10	Grains; Location: PL- Type C C 3SSES (LRR N, N. A 122, 136) I SOIIS (MLRA 127, 147) I (MLRA 127, 147)	Location PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	sil or Problematie fluck (MLRA 147) Floodplain Soils Shallow Dark shallow Dark	lay, sand, loan ty clay loam silty clay	
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 10 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Much 11 - Depleted E 12 - Thick Dark 11 - Sandy Much 14 - Sandy Gley Restrictive Layer (If Observed)	group): tion (Describe to the Depth 10 18	Horizon dicators (check he	color (10YR 10Y 10Y e if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalt \$9 - Thin Da \$7 - C - C - C - C - C - C - C - C - C -	Matrix Moist) 5/2 6/2 s are not p Redox d Matrix urface gleved Mat d Matrix Dark Surface d Matrix	(Typer C=Concern 96 90 90	Series Dr tration, D=Deplet Col 10YR 10YR):	ainage Class: or (Moist) 4/6 5/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 10	Grains; Location: PL- Type C C 3SSES (LRR N, N. A 122, 136) I SOIIS (MLRA 127, 147) I (MLRA 127, 147)	Location PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	sil r Problematie fulck (M.RA 147) Prairie Redox (M.L t Floodplain Soils Shallow Dark ain in Remarks	lay, sand, loan ty clay loam silty clay	
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 10 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Mucket 11 - Depleted E 12 - Thick Dark 11 - Sandy Mucket 4 - Sandy Gley Restrictive Layer	group): tion (Describe to the Depth 10 18	Horizon dicators (check he	color (10YR 10Y 10Y e if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalt \$9 - Thin Da \$7 - C - C - C - C - C - C - C - C - C -	Matrix Moist) 5/2 6/2 s are not page and Matrix Inface Jue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surf	(Typer C=Concern 96 90 90	Series Dr tration, D=Deplet Col 10YR 10YR):	ainage Class: or (Moist) 4/6 5/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 10	Grains; Location: PL- Type C C 3SSES (LRR N, N. A 122, 136) I SOIIS (MLRA 127, 147) I (MLRA 127, 147)	Location PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	sil or Problematie fluck (MLRA 147) Floodplain Soils Shallow Dark shallow Dark	lay, sand, loan ty clay loam silty clay	
SOILS Map Unit Name: Taxonomy (Subperfile Descript) Top Depth 0 10 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Much 11 - Depleted E 12 - Thick Dark 11 - Sandy Much 14 - Sandy Gley Restrictive Layer (If Observed)	group): tion (Describe to the Depth 10 18	Horizon dicators (check he	color (10YR 10Y 10Y e if indicators \$5 - Sandy F \$6 - Stripper \$7 - Dark Su \$8 - Polyvalt \$9 - Thin Da \$7 - C - C - C - C - C - C - C - C - C -	Matrix Moist) 5/2 6/2 s are not page and Matrix Inface Jue Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surf	(Typer C=Concern 96 90 90	Series Dr tration, D=Deplet Col 10YR 10YR):	ainage Class: or (Moist) 4/6 5/6 F12 - Iror F13 - Um F19 - Pie	Mottles % 10 10	Grains; Location: PL- Type C C 3SSES (LRR N, N. A 122, 136) I SOIIS (MLRA 127, 147) I (MLRA 127, 147)	Location PL PL Indicators fo A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	sil or Problematie fluck (MLRA 147) Floodplain Soils Shallow Dark shallow Dark	lay, sand, loan ty clay loam silty clay	



Project/Site:	Ware Road-Seaman 138 kV Transmissio	n Line Project			Wetland ID: Wetland 7 Sample Point SP 21
VEGETATION	(Species identified in all uppercase are no	on-native species.)			
Tree Stratum (Plo	ot size: 30 ft radius)				
	Species Name	% Cov	er Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:3 (A)
3.					
4.					Total Number of Dominant Species Across All Strata:4 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: .0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 30 x 1 = 30
	Total	Cover = 0			FACW spp. 70 X 2 = 140
		•			FAC spp. 2
Sanling/Shrub Stra	atum (Plot size: 15 ft radius)				FACU spp. 0 x 4 = 0
1.					UPL spp. $\frac{1}{5}$ $\frac{1}{3}$ $\frac{1}{$
2.					ν σ = <u>25</u>
3.					Total 407 (A) 204 (D)
					Total 107 (A) 201 (B)
4.					
5.					Prevalence Index = B/A = 1. 9
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes 🔲 🔲 No Rapid Test for Hydrophytic Vegetation
10.					Yes ☑ ☐ No Dominance Test is > 50%
	Total	Cover = 0			Yes ☑ ☐ No Prevalence Index is ≤ 3.0 *
					Yes □ □ No Morphological Adaptations (Explain) *
Herb Stratum (Plo	t size: 5 ft radius)				Yes □ □ No Problem Hydrophytic Vegetation (Explain) *
1.	Phalaris arundinacea	40	Υ	FACW	* LaPada a of had the all and a decide a decide a of ha
2.	Scirpus atrovirens	30	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Juncus effusus	30	Υ	FACW	present, unless disturbed of problematic.
4.	Xanthium strumarium	2	N	FAC	Definitions of Vegetation Strata:
5.	Symphyotrichum sp.	5	Υ	NI	
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					All constructions are a start to a COO fe in height
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total	Cover = 107			
Woody Vine Stratu	um (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
4.					
5.					
	Total	Cover = 0			
Remarks:					
L					
Additional Ren	narke				
Auditional Ker	iiai no.				



Are Vegetation□ Are Vegetation□	American E Bill Leopold TkA - Tilsit S Toeslope ~0 rologic cond I , Soil □ , Co I , Soil □ , Co	ilt Loam 0-3% Slopes	: 39.01882 ical for this t	Investi Loc L ime of year	cal Relief: ongitude:	Tim Bot /I/WWI Concav -83.317	Classification: e 838 _{narks)} e normal circu	Datum: ☑ Yes □	NAD83 No	Date: County: State: Wetland ID: Sample Point: Community ID Section: Township: Range:	SP 22
SUMMARY OF I											
Hydrophytic Veg					□ No			Hydric Soils		V:11-:- 0 \0/-11	☐ Yes ☑ No
Wetland Hydrolo Remarks:	ogy Present	<u> </u>		☑ Yes	□ No			Is This Samp	oling Point v	vitnin A vveti	and? □ Yes ■ No
Remarks.											
HYDROLOGY											
	A1 - Surface A2 - High Wa A3 - Saturati B1 - Water M B2 - Sedimer B3 - Drift Der B4 - Algal Ma B5 - Iron Der	ater Table on farks nt Deposits posits at or Crust		re not pre	B9 - Wate B13 - Aqu B14 - True C1 - Hydr C3 - Oxidi C4 - Prese	atic Fauna e Aquatic ogen Sulfi zed Rhizo ence of Re nt Iron Re Muck Surl	a Plants de Odor spheres on Livir educed Iron eduction in Tilled face		00000000	B10 - Drainage B16 - Moss Tri C2 - Dry Seasc C8 - Crayfish B C9 - Saturation	egetated Concave Surface Patterns m Lines on Water Table surrows Visible on Aerial Imagery Stressed Plants nic Position quitard graphic Relief
Field Observati	one:									20 1710 11001	
Surface Water F Water Table Pre Saturation Prese	Present? esent? ent?	☐ Yes ☑ No ☑ Yes ☐ No ☑ Yes ☐ No		14 Surface	. ,	n a ation a	if a vailable	Wetland Hy	drology Pre	esent? 🗵	Yes No
	ed Data (Stre	am gauge, monitoring	g well, aeriai	pnotos, pr	evious ins	pections)	, if available:		IN/A		
Remarks:											
SOILS											
	TkA - Tilsit	Silt Loam 0-3% Slop	oes		S	eries Dr	ainage Class:				
Taxonomy (Sub											
		ne depth needed to document the indic	ator or confirm the abse) (Type: C=Conce	ntration, D=Dep	eletion, RM=Reduced Matr		and Grains; Location:	PL=Pore Lining, M=Mat	
Top	Bottom	Hariman	Calar (Matrix	%	Cal	or (Moist)	Mottles	T.ma I	Lasation	Texture (e.g. clay, sand, loam)
Depth 0	Depth 4	Horizon 	Color (I	4/2	95	10YR	4/6	% 5	Type C	Location PL	silt loam
4	16		10YR	5/3	80	101R	6/6	20	C	M	sandy clay
16	18		10YR	5/6	60						silty clay
			10YR	6/3	40						silty clay
						1					
□ A1- Histosol □ A2 - Histic Epipe □ A3 - Black Histic □ A4 - Hydrogen S □ A5 - Stratified La □ A10 - 2 cm Mucl □ A11 - Depleted E □ A12 - Thick Dart □ S1 - Sandy Mucl	A2 - Histic Epipedon								asses (LRR N.) RA 122, 136) In Soils (MLR4) al (MLRA 127, 14) ars of hydrophytic veg	A10 - 2cm M A16 - Coast I F19 - Piedmor TF12 - Very Other (Expla	or Problematic Soils 1 fluck (MLRA 147) Prairie Redox (MLRA 147, 148) It Floodplain Soils (MLRA 136, 147) Shallow Dark Surface ain in Remarks) drology must be present, unless disturbed or problematic. Yes No



Eastern Mountains and Piedmont Region

Wetland ID: Wetland 7 Project/Site: Ware Road-Seaman 138 kV Transmission Line Project Sample Point SP 22 **VEGETATION** (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 30 ft radius) Dominance Test Worksheet Species Name % Cover Dominant Ind.Status Number of Dominant Species that are OBL, FACW, or FAC: 2 (A) 3 4. Total Number of Dominant Species Across All Strata: 5. Percent of Dominant Species That Are OBL, FACW, or . % (A/B) **Prevalence Index Worksheet** 8. 9. Total % Cover of: Multiply by: 10 OBL spp. x 1 = Total Cover = x 2 = FACW spp. 30 60 x 3 = FAC spp. 0 0 Sapling/Shrub Stratum (Plot size: 15 ft radius) FACU spp. x 4 = x 5 = UPL spp. 10 50 2 278 Total 97 (A) (B) 4 5. Prevalence Index = B/A = 6. 7 8. **Hydrophytic Vegetation Indicators:** 9 Yes □ □ No Rapid Test for Hydrophytic Vegetation 10. Yes ☑ □ No Dominance Test is > 50% Total Cover = Yes ☑ □ No Prevalence Index is ≤ 3.0 * Yes □ □ No Morphological Adaptations (Explain) * Herb Stratum (Plot size: 5 ft radius) Yes 🗆 🗆 No Problem Hydrophytic Vegetation (Explain) * 30 **FACW** Phalaris arundinacea * Indicators of hydric soil and wetland hydrology must be Asclepias syriaca 5 Ν FACU present, unless disturbed or problematic. **FACU** 3 Schedonorus arundinaceus 30 Scirpus atrovirens OBL **Definitions of Vegetation Strata:** Symphyotrichum sp. Ν NI 5 10 6 Apocynum androsaemifolium Ν **FACU** Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height. 8. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 9. 10 11. Herb - All herbaceous (non-woody) plants, regardless of size, 12 and woody plants less than 3.28 ft. tall. 13. 14. 15. Woody Vines - All woody vines greater than 3.28 ft. in height. Total Cover = Woody Vine Stratum (Plot size: 30 ft radius) 3 Hydrophytic Vegetation Present ☑ Yes □ No 4 5. Total Cover = 0 Remarks: Additional Remarks:



/V		יואם ו בעו	ина	ION DA	I A FURIN
	Eastern	Mountains	and F	Piedmont	Region

Project/Site:	Ware Road-S	Seaman 138 kV Transmi	ission Line Pro	oject		Stant	ec Project #:	193704860		Date:	03/29/17	
Applicant:	American E	Electric Power								County:	Adams	
Investigator #1:	Bill Leopolo	4		Invest	igator #2:	Tim Bot	tina			State:	Ohio	
Soil Unit:		ilt Loam 0-3% Slopes		1111000			Classification:	· NI/A		Wetland ID:		
Landform:		iii Loaiii 0-3% Siopes						IN/A				
	Toeslope	1 22 1	00 04055		cal Relief:			ъ.	NADOO	Sample Point:		
Slope (%):	~0		39.01855		ongitude:	-83.317	297		NAD83	Community ID	PEM	
Are climatic/hyd	rologic cond	itions on the site typi	cal for this t	ime of ye	ar? (If no, e				No	Section:		
		r Hydrology 🗆 signi				Are	e normal circu	ımstances pre	esent?	Township:		
Are Vegetation□	」, Soil □, c	or Hydrology natu	rally probler	natic?			Yes	□ No		Range:	Dir:	
SUMMARY OF	FINDINGS	, ,,	· ·									
Hydrophytic Veg		ont?		Yes	n No			Hydric Soils	Drocont2		☑ Yes □ N	No
										V:45:0 A \A/o4		
Wetland Hydrolo	ogy Present	(✓ Yes	□ No			Is This Samp	oling Point v	vitnin A weti	and? 🛛 Yes 🗉 N	No
Remarks:												
HYDROLOGY												
		. (0) 11 11			. \	_						
		tors (Check here if	indicators ai	re not pre	sent):				Secondary:			
Primary										B6 - Surface So		
✓	A1 - Surface					er-Stained					egetated Concave Surface	
✓	A2 - High Wa				B13 - Aqu					B10 - Drainage		
✓	A3 - Saturation			✓	B14 - Tru					B16 - Moss Trii		
	B1 - Water M				C1 - Hydr					C2 - Dry Seaso		
	B2 - Sedimer						spheres on Livir	ng Roots		C8 - Crayfish B		
	B3 - Drift De						educed Iron				Visible on Aerial Imagery	
	B4 - Algal Ma						eduction in Tilled	Soils			Stressed Plants	
	B5 - Iron Dep				C7 - Thin					D2 - Geomorph		
	B7 - Inundati	on Visible on Aerial Imag	gery		Other (Ex	plain in Re	emarks)			D3 - Shallow A		
										D4 - Microtopo		
									☑	D5 - FAC-Neut	ral Test	
Field Observat	ions:											
		5 V 5 N-	Danth	_	(in)							
Surface Water F		☑ Yes □ No	Depth:		(in.)			Wetland Hyd	drology Pre	esent?	Yes □ No	
Water Table Pre		Yes No	- 1	Surface	` '							
Saturation Prese	ent?	Yes No	Depth:	Surface	(in.)							
Dogoribo Bogorda	ad Data (atra	am gauge, monitoring	well periol	nhotoo nr	ovious ins	nootional	if available:		N/A			
	eu Data (Sile	ani gauge, monitorin	y well, aeriai	priotos, pr	evious iris	pections)	, ii avallable.		14/74			
Remarks:												
Remarks:												
SOILS	· TkA - Tilsit	Silt Loam 0-3% Slor	nes.		ç	Series Dr	ainage Class:					
SOILS Map Unit Name		Silt Loam 0-3% Slop	oes		5	Series Dr	ainage Class:	:				
SOILS Map Unit Name Taxonomy (Sub	group):											
SOILS Map Unit Name Taxonomy (Sub Profile Descrip	group): tion (Describe to the	Silt Loam 0-3% Slop						rix, CS=Covered/Coated Sa	and Grains; Location:	PL=Pore Lining, M=Matr	isq	
SOILS Map Unit Name Taxonomy (Sub	group):			ence of indicators. Matrix	.) (Type: C=Conc	entration, D=Dep	eletion, RM=Reduced Matr	rix, CS=Covered/Coated Si	and Grains; Location:	PL=Pore Lining, M=Matt	Texture	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip	group): tion (Describe to the			Matrix		entration, D=Dep		rix, CS=Covered/Coated Sa	and Grains; Location:	PL=Pore Lining, M=Matri	Texture (e.g. clay, sand, loa	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	group): tion (Describe to the Bottom Depth	ne depth needed to document the indica	ator or confirm the abse	Matrix Moist)	.) (Type: C=Conc	entration, D=Dep	or (Moist)	mix, CS=Covered/Coated Si Mottles	Туре	Location	Texture (e.g. clay, sand, loa	ım)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 4	ne depth needed to document the indicate Horizon	Color (I	Matrix Moist) 4/1	.) (Type: C=Conc	entration, D=Dep	or (Moist)	Mottles % 10	Type C	Location M	Texture (e.g. clay, sand, loa silt loam	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	group): tion (Describe to the Bottom Depth 4 14	ne depth needed to document the indicate Horizon	Color (I	Matrix Moist) 4/1 6/1	% 90 70	entration, D=Dep	or (Moist) 4/6 5/8	Mottles Mottles 10 30	Type C C	Location M M	Texture (e.g. clay, sand, loa silt loam silty clay	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 4 14 18	ne depth needed to document the indicate Horizon	Color (I	Matrix Moist) 4/1	% 90 70 80	entration, D=Dep	or (Moist) 4/6 5/8 6/2	Mottles % 10	Type C	Location M	Texture (e.g. clay, sand, loa silt loam	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	group): tion (Describe to the Bottom Depth 4 14	ne depth needed to document the indicate Horizon	Color (I	Matrix Moist) 4/1 6/1	% 90 70	entration, D=Dep	or (Moist) 4/6 5/8	Mottles Mottles 10 30	Type C C	Location M M	Texture (e.g. clay, sand, loa silt loam silty clay	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14	group): tion (Describe to the Bottom Depth 4 14 18	ne depth needed to document the indicate Horizon	Color (I 10YR 10YR 10YR	Matrix Moist) 4/1 6/1 5/8	% 90 70 80	Collinary Collin	or (Moist) 4/6 5/8 6/2	Mottles	Type C C D	Location M M M	Texture (e.g. clay, sand, loa silt loam silty clay clay	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14	group): tion (Describe to the Bottom Depth 4 14 18	he depth needed to document the indicate Horizon	Color (I 10YR 10YR 10YR 	Matrix Moist) 4/1 6/1 5/8	% 90 70 80	colinary Col	or (Moist) 4/6 5/8 6/2	Mottles Mottles 10 30 20	Type C C D	Location M M M	Texture (e.g. clay, sand, loa silt loam silty clay clay	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14	group): tion (Describe to II Bottom Depth 4 14 18	Horizon	Color (I 10YR 10YR 10YR	Matrix Moist) 4/1 6/1 5/8	% 90 70 80	COI 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2	Mottles % 10 30 20	Type C C D	Location M M M	Texture (e.g. clay, sand, loa silt loam silty clay clay	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14	group): tion (Describe to the Bottom Depth 4 14 18	he depth needed to document the indicate Horizon	Color (I 10YR 10YR 10YR 	Matrix Moist) 4/1 6/1 5/8	% 90 70 80	colinary Col	or (Moist) 4/6 5/8 6/2	Mottles Mottles 10 30 20	Type C C D	Location M M M	Texture (e.g. clay, sand, loa silt loam silty clay clay	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14	group): tion (Describe to the Depth 4 14 18	Horizon	Color (I 10YR 10YR 10YR	Matrix Moist) 4/1 6/1 5/8	% 90 70 80	COI 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2	Mottles Mottles % 10 30 20	Type C C D	Location M M M	Texture (e.g. clay, sand, loa silt loam silty clay clay	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14	group): tion (Describe to the Bottom Depth 4 14 18	Horizon	Color (I 10 YR 10	Matrix Moist) 4/1 6/1 5/8	% 90 70 80	Col 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2	Mottles	Type C C D	Location M M M	Texture (e.g. clay, sand, loa silt loam silty clay clay	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S	group): tion (Describe to the Bottom Depth 4 14 18	Horizon dicators (check here	Color (I 10 YR 10	Matrix Moist) 4/1 6/1 5/8 s are not	% 90 70 80	COI 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2	Mottles Mottles 10 30 20	Type C C D	Location M M M Indicators fo	Texture (e.g. clay, sand, loa silt loam silty clay clay r Problematic Soils 1	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S	group): tion (Describe to the Bottom Depth 4 14 18 Soil Field In	Horizon	Color (In 10 YR 10	Matrix Moist) 4/1 6/1 5/8 s are not Redox	% 90 70 80	Col 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2	Mottles Mottles 40 10 30 20 n-Manganese M	Type C C D	Location M M M Indicators fo	Texture (e.g. clay, sand, loa silt loam silty clay clay r Problematic Soils 1	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric \$ □ A1- Histosol □ A2 - Histic Epipe	group): tion (Describe to the Depth	Horizon dicators (check her	Color (I 10YR 10YR 10YR 10YR e if indicator \$5 - Sandy F \$6 - Stripped	Matrix Moist) 4/1 6/1 5/8	% 90 70 80	Col 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2	Mottles Mottles % 10 30 20	Type C C C D D	Location M M M Indicators fo A10 - 2cm N A16 - Coast I	Texture (e.g. clay, sand, loa silt loam silty clay clay	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1- Histosol A2 - Histic Epipe A3 - Black Histic	group): tion (Describe to the Depth	Horizon dicators (check here	Color (I 10YR 10YR 10YR 10YR e if indicator S5 - Sandy F S6 - Strippec S7 - Dark Su	Matrix Moist) 4/1 6/1 5/8 s are not Redox	% 90 70 80	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 1 F12 - Iron F13 - Um F19 - Pie	Mottles Mottles 40 10 30 20 n-Manganese M	Type C C D	Location M M M Indicators fo A10 - 2cm N A16 - Coast II F19 - Piedmor	Texture (e.g. clay, sand, loa silt loam silty clay clay clay r Problematic Soils 1 Muck (MLRA 147) Prairie Redox (MLRA 147, 148) at Floodplain Soils (MLRA 136, 147)	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1- Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S	group): tion (Describe to II Bottom Depth 4 14 18 Soil Field In	Horizon dicators (check her	Color (In 10 yr 10	Matrix Moist) 4/1 6/1 5/8 s are not Redox I Matrix Irrace Ire Below Do	% 90 70 80 present	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Mottles % 10 30 20 n-Manganese M Motic Surface (ML) admont Floodplai	Type C C D asses (LRR N.) RA 122, 136) in Soils (MLR.)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedra TF12 - Very	Texture (e.g. clay, sand, loa silt loam silty clay clay r Problematic Soils 1 /// Judk (MLRA 147) Prairie Redox (MLRA 147, 148) tt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1- Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified La	group): tion (Describe to the Depth 4 14 18 Soil Field In Sedon : Stuffide Bayers	Horizon	Color (In 10 yr 10	Matrix Moist) 4/1 6/1 5/8 s are not Redox d Matrix urface urface urface	9% 90 70 80 present	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Mottles % 10 30 20	Type C C D asses (LRR N.) RA 122, 136) in Soils (MLR.)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedra TF12 - Very	Texture (e.g. clay, sand, loa silt loam silty clay clay clay r Problematic Soils 1 Muck (MLRA 147) Prairie Redox (MLRA 147, 148) at Floodplain Soils (MLRA 136, 147)	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1- Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified La A10 - 2 cm Mucl	group): tion (Describe to the Bottom Depth 4 14 18	Horizon	Color (I 10YR 10YR 10YR e if indicator \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu. \$9 - Thin Da F2 - Loarny (I	Matrix Moist) 4/1 6/1 5/8 s are not Redox d Matrix inface ie Below Dork K Surface Gleyed Mat	9% 90 70 80 present	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Mottles % 10 30 20 n-Manganese M Motic Surface (ML) admont Floodplai	Type C C D asses (LRR N.) RA 122, 136) in Soils (MLR.)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedra TF12 - Very	Texture (e.g. clay, sand, loa silt loam silty clay clay r Problematic Soils 1 /// Judk (MLRA 147) Prairie Redox (MLRA 147, 148) tt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1 - Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified La A10 - 2 cm MucL A11 - Depleted B	group): tion (Describe to the foliation of the foliation	Horizon dicators (check here	Color (I 10YR 10YR 10YR 10YR e if indicator S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu S9 - Thin Da F2 - Loamy (C F3 - Depleter	Matrix Moist) 4/1 6/1 5/8 s are not kedox if Matrix irface ie Below Dirk Surface Gleyed Mat d Matrix	96 90 70 80 present	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Mottles % 10 30 20 n-Manganese M Motic Surface (ML) admont Floodplai	Type C C D asses (LRR N.) RA 122, 136) in Soils (MLR.)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedra TF12 - Very	Texture (e.g. clay, sand, loa silt loam silty clay clay r Problematic Soils 1 /// Judk (MLRA 147) Prairie Redox (MLRA 147, 148) tt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1- Histosol A2 - Histic Epipe A4 - Hydrogen S A5 - Stratified La A10 - 2 cm Mucl A11 - Depleted B A12 - Thick Dark	group): tion (Describe to II Bottom Depth 4 14 18 Soil Field In Bulfide Buyers K (LER N) Below Dark Su K Surface	Horizon dicators (check her	Color (In the absence of confirm the absence of confirm the absence of confirm the absence of color (In the absence of co	Matrix Moist) 4/1 6/1 5/8 Ts are not Redox I Matrix Irrface Ire Below Dr rk Surface Gleyed Mat d Matrix Jark Surface	9% 90 70 80 present ark Surface (MLRA 147, 148 rix	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Mottles % 10 30 20 n-Manganese M Motic Surface (ML) admont Floodplai	Type C C D asses (LRR N.) RA 122, 136) in Soils (MLR.)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedra TF12 - Very	Texture (e.g. clay, sand, loa silt loam silty clay clay r Problematic Soils 1 /// Judk (MLRA 147) Prairie Redox (MLRA 147, 148) tt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	am)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1- Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified L A10 - 2 cm Mucl A11 - Depleted I A12 - Thick Dari B12 - Thick Dari S1 - Sandy Mucl	group): tion (Describe to the Depth 4 14 18 Soil Field In Bedon : Sulfide Bayers & (LER N) Below Dark Su & Surface & Mineral (LER N Mineral (LER N)	Horizon dicators (check here	Color (In the absence of confirm the absence of color (In the absence o	Matrix Moist) 4/1 6/1 5/8 s are not Redox I Matrix Iridate I Below D: Irk Surface Gleyed Mat I Matrix Jark Surface Jark Surface Jark Surface Jark Surface	9% 90 70 80 present ark Surface (MLRA 147, 148 rix)	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Mottles % 10 30 20	Type C C D asses (LRR N.) RA 122, 136) In Soils (MLRA 127, 14.)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedmor TF12 - Very Other (Expla	Texture (e.g. clay, sand, loa silt loam silty clay clay r Problematic Soils 1 Muck (MLRA 147) Prairie Redox (MLRA 147, 148) t Floodplain Soils (MLRA 136, 147) Shallow Dark Surface ain in Remarks)	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1- Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified L A10 - 2 cm Mucl A11 - Depleted I A12 - Thick Darl S1 - Sandy Mucl S4 - Sandy Mucl	group): tion (Describe to the Depth 4 14 18 Soil Field In Bedon : Sulfide Bayers & (LER N) Below Dark Su & Surface & Mineral (LER N Mineral (LER N)	Horizon dicators (check her	Color (In the absence of confirm the absence of confirm the absence of confirm the absence of color (In the absence of co	Matrix Moist) 4/1 6/1 5/8 s are not Redox I Matrix Iridate I Below D: Irk Surface Gleyed Mat I Matrix Jark Surface Jark Surface Jark Surface Jark Surface	9% 90 70 80 present ark Surface (MLRA 147, 148 rix)	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Mottles % 10 30 20	Type C C D asses (LRR N.) RA 122, 136) In Soils (MLRA 127, 14.)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedmor TF12 - Very Other (Expla	Texture (e.g. clay, sand, loa silt loam silty clay clay r Problematic Soils 1 /// Judk (MLRA 147) Prairie Redox (MLRA 147, 148) tt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1 - Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified Le A10 - 2 cm Mucl A11 - Depleted B A12 - Thick Darl S1 - Sandy Mucl S4 - Sandy Mucl S4 - Sandy Gley Restrictive Layer	group): tion (Describe to II Bottom Depth 4 14 18 Soil Field In Bulfide Bayers ((LRR N) Below Dark Su K Surface k Mineral (LRR N ed Matrix	Horizon dicators (check here	Color (In the absence of confirm the absence of color (In the absence o	Matrix Moist) 4/1 6/1 5/8 Ts are not Redox I Matrix Irrface Ide Below Dirk Surface Gleyed Mat di Matirx Dark Surface Depression:	9% 90 70 80 present ark Surface (MLRA 147, 148 rix)	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Wolfer Mottles M	Type C C D asses (LRR N. RA 122, 136)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedmor TF12 - Very Other (Expla	Texture (e.g. clay, sand, loa silt loam silty clay clay	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1- Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified L A10 - 2 cm Mucl A11 - Depleted I A12 - Thick Darl S1 - Sandy Mucl S4 - Sandy Mucl	group): tion (Describe to the Depth 4 14 18 Soil Field In Bedon : Sulfide Bayers & (LER N) Below Dark Su & Surface & Mineral (LER N Mineral (LER N)	Horizon dicators (check here	Color (In the absence of confirm the absence of color (In the absence o	Matrix Moist) 4/1 6/1 5/8 s are not Redox I Matrix Iridate I Below D: Irk Surface Gleyed Mat I Matrix Jark Surface Jark Surface Jark Surface Jark Surface	9% 90 70 80 present ark Surface (MLRA 147, 148 rix)	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Mottles % 10 30 20	Type C C D asses (LRR N. RA 122, 136)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedmor TF12 - Very Other (Expla	Texture (e.g. clay, sand, loa silt loam silty clay clay r Problematic Soils 1 Muck (MLRA 147) Prairie Redox (MLRA 147, 148) t Floodplain Soils (MLRA 136, 147) Shallow Dark Surface ain in Remarks)	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1 - Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified Le A10 - 2 cm Mucl A11 - Depleted B A12 - Thick Darl S1 - Sandy Mucl S4 - Sandy Gley Restrictive Layer (If Observed)	group): tion (Describe to II Bottom Depth 4 14 18 Soil Field In Bulfide Bayers ((LRR N) Below Dark Su K Surface k Mineral (LRR N ed Matrix	Horizon dicators (check here	Color (In the absence of confirm the absence of color (In the absence o	Matrix Moist) 4/1 6/1 5/8 Ts are not Redox I Matrix Irrface Ide Below Dirk Surface Gleyed Mat di Matirx Dark Surface Depression:	9% 90 70 80 present ark Surface (MLRA 147, 148 rix)	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Wolfer Mottles M	Type C C D asses (LRR N. RA 122, 136)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedmor TF12 - Very Other (Expla	Texture (e.g. clay, sand, loa silt loam silty clay clay	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1 - Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified Le A10 - 2 cm Mucl A11 - Depleted E A12 - Thick Darl S1 - Sandy Mucl S1 - Sandy Mucl S1 - Sandy Gley Restrictive Layer	group): tion (Describe to II Bottom Depth 4 14 18 Soil Field In Bulfide Bayers ((LRR N) Below Dark Su K Surface k Mineral (LRR N ed Matrix	Horizon dicators (check here	Color (In the absence of confirm the absence of color (In the absence o	Matrix Moist) 4/1 6/1 5/8 Ts are not Redox I Matrix Irrface Ide Below Dirk Surface Gleyed Mat di Matirx Dark Surface Depression:	9% 90 70 80 present ark Surface (MLRA 147, 148 rix)	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Wolfer Mottles M	Type C C D asses (LRR N. RA 122, 136) in Soils (MLRA 127, 144)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedmor TF12 - Very Other (Expla	Texture (e.g. clay, sand, loa silt loam silty clay clay	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1 - Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified Le A10 - 2 cm Mucl A11 - Depleted E A12 - Thick Darl S1 - Sandy Mucl S1 - Sandy Mucl S1 - Sandy Gley Restrictive Layer (If Observed)	group): tion (Describe to II Bottom Depth 4 14 18 Soil Field In Bulfide Bayers ((LRR N) Below Dark Su K Surface k Mineral (LRR N ed Matrix	Horizon dicators (check here	Color (In the absence of confirm the absence of color (In the absence o	Matrix Moist) 4/1 6/1 5/8 Ts are not Redox I Matrix Irrface Ide Below Dirk Surface Gleyed Mat di Matirx Dark Surface Depression:	9% 90 70 80 present ark Surface (MLRA 147, 148 rix)	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Wolfer Mottles M	Type C C D asses (LRR N. RA 122, 136) in Soils (MLRA 127, 144)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedmor TF12 - Very Other (Expla	Texture (e.g. clay, sand, loa silt loam silty clay clay	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 14 NRCS Hydric S A1 - Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified Le A10 - 2 cm Mucl A11 - Depleted E A12 - Thick Darl S1 - Sandy Mucl S1 - Sandy Mucl S1 - Sandy Gley Restrictive Layer (If Observed)	group): tion (Describe to II Bottom Depth 4 14 18 Soil Field In Bulfide Bayers ((LRR N) Below Dark Su K Surface k Mineral (LRR N ed Matrix	Horizon dicators (check here	Color (In the absence of confirm the absence of color (In the absence o	Matrix Moist) 4/1 6/1 5/8 Ts are not Redox I Matrix Irrface Ie Below Dirk Surface Gleyed Mat di Matirx Dark Surface Depression:	9% 90 70 80 present ark Surface (MLRA 147, 148 rix)	Col 10YR 10YR 10YR 10YR 10YR 10YR 10YR	or (Moist) 4/6 5/8 6/2 F12 - Iroi F13 - Urn F19 - Pie	Mottles Wolfer Mottles M	Type C C D asses (LRR N. RA 122, 136) in Soils (MLRA 127, 144)	Location M M M Indicators fo A10 - 2cm N A16 - Coast I F19 - Piedmor TF12 - Very Other (Expla	Texture (e.g. clay, sand, loa silt loam silty clay clay	



WETLAND DETERMINATION DATA FORM

Project/Site:	Ware Road-Seaman 138 kV Transmission Line Pro	ject		Wetland ID: Wetland 8 Sample Point SP 23
V-0	-			
VEGETATION	(Species identified in all uppercase are non-native s	species.)		
Tree Stratum (Plo	Species Name	% Cover Dom	inant Ind.Status	Dominance Test Worksheet
1.		Doill	IIId.Status	bollillance rest worksheet
2.				Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
3.				Trainbor of bothman opolog that are obe, fixon, of fixe.
4.				Total Number of Dominant Species Across All Strata: 2 (B)
5.				Percent of Dominant Species That Are OBL, FACW, or
6.				FAC: 100.0% (A/B)
7.				(
8.				Prevalence Index Worksheet
9.				Total % Cover of: Multiply by:
10.				OBL spp. 40 X 1 = 40
	Total Cover =	0		FACW spp. 40
				FAC spp. 0 x 3 = 0
	tum (Plot size: 15 ft radius)			FACU spp. 0
1.				UPL spp. 10
2.				4
3.				Total 90 (A) 170 (B)
4.				
5.				Prevalence Index = B/A = 1. 9
6. 7.				
8.				Hudranhytia Vagetation Indicators:
9.				Hydrophytic Vegetation Indicators: Yes No Rapid Test for Hydrophytic Vegetation
10.				Yes □ No Rapid Test for Hydrophytic Vegetation Yes ☑ □ No Dominance Test is > 50%
10.	Total Cover =	0		Yes ☑ No Prevalence Index is ≤ 3.0 *
	Total Gover =	O		Yes No Morphological Adaptations (Explain) *
Herb Stratum (Plot	ciza: Eft radius)			Yes D No Problem Hydrophytic Vegetation (Explain) *
1.	Elodea canadensis	40	Y OBL	
2.	Phalaris arundinacea		Y FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Setaria sp.		N NI	present, unless disturbed or problematic.
4.				Definitions of Vegetation Strata:
5.				
6				Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.				height (DBH), regardless of height.
8.				
9.				Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.				it. can.
11.				
12.				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.				- Soo wan one on tan
14.				Manaka Visiona All woody vinon greater than 2.20 ft in height
15.				Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	90		
Moody Vine Street	m (Plot cize: 20 ft radius)			
1.	ım (Plot size: 30 ft radius)			
2.				
3.				Hydrophytic Vegetation Present ☑ Yes ☐ No
4.				
5.				
_	Total Cover =	0		
Remarks:				
Additional Ren	narks:			



Project/Site: Applicant: Investigator #1: Soil Unit: Landform: Slope (%):	American E Bill Leopole TkA - Tilsit S Toeslope ~0	ilt Loam 0-3% Slopes Latitude:	39.01855	Investi Loc L	al Relief: ongitude:	Tim Bot VI/WWI (Concave -83.3173	Classification: e 308	Datum:	NAD83	Date: County: State: Wetland ID: Sample Point: Community ID:	SP 24
Are Vegetation□	」, Soil □, d	itions on the site typi or Hydrology □ signi or Hydrology □ natu	ficantly dist	urbed?	ar? (If no, e		e normal circu	✓ Yes✓ mstances pre✓ No	No sent?	Section: Township: Range:	Dir:
SUMMARY OF I	FINDINGS										
Hydrophytic Veg	etation Pres	ent?		□ Yes	. ✓ No			Hydric Soils	Present?		☐ Yes ☑ No
Wetland Hydrold				□ Yes				Is This Samp	ling Point V	Vithin A Wetla	and? ■ Yes ■ No
Remarks:											
HYDROLOGY											
Wetland Hydro	A1 - Surface A2 - High Wa A3 - Saturati B1 - Water N B2 - Sedimer B3 - Drift Der B4 - Algal Ma B5 - Iron Der	ater Table on larks at Deposits posits at or Crust		e not pre	B9 - Wate B13 - Aqu B14 - True C1 - Hydr C3 - Oxidi C4 - Prese	e Aquatic logen Sulficed Rhizo ence of Rent Iron Rent Muck Surf	a Plants de Odor spheres on Livir educed Iron duction in Tilled ace		00000000	B10 - Drainage B16 - Moss Trir C2 - Dry Seaso C8 - Crayfish B C9 - Saturation	egetated Concave Surface Patterns n Lines n Water Table urrows Visible on Aerial Imagery Stressed Plants ic Position quitard graphic Relief
Field Observati Surface Water F Water Table Pre Saturation Prese	Present? esent? ent?	☐ Yes ☑ No ☐ Yes ☑ No ☐ Yes ☑ No	Depth: Depth: Depth:		(in.) (in.) (in.)			Wetland Hyd		esent? 🗆	Yes ☑ No
Describe Recorde Remarks:	ed Data (stre	am gauge, monitoring	y well, aerial	photos, pr	evious ins	pections)	, if available:		N/A		
SOILS	TIA Tileia	Cilt I com 0 20/ Clar				`ariaa Dr	oine se Olessa				
Taxonomy (Sub		Silt Loam 0-3% Slop	bes		3	series Dr	ainage Class:				
		ne depth needed to document the indica			(T 0 0		Indian DM Dadward Mana			Di Dani Linia M Mari	
Top	Bottom	ne depth needed to document the indica	ator or confirm the abse	Matrix) (Type: C=Conce	entration, D=Dep	letion, RM=Reduced Matr	Mottles	and Grains; Location:	PL=Pore Lining, M=Matri	× Texture
Depth	Depth	Horizon	Color (I		%	Col	or (Moist)	%	Type	Location	(e.g. clay, sand, loam)
0 0	10		10YR	4/3	100					Location	sandy loam
10	18		10YR	5/4	70	10YR	6/6	15	С	M	silty clay
						10YR	3/2	15	D	M	silty clay
										IVI	siity Clay
			†		 			1	-		
	-										
		dicators (check here): 🗆					r Problematic Soils ¹
□ A1- Histosol □ A2 - Histic Epipe □ A3 - Black Histic □ A4 - Hydrogen S □ A5 - Stratified Le □ A10 - 2 cm Mucl □ A11 - Depleted E □ A12 - Thick Darl □ S1 - Sandy Mucl □ S4 - Sandy Gley Restrictive Layer (If Observed)	edon Sulfide Ayers ((LRR N) Below Dark Su (Surface (Mineral (LRR N	rface	S5 - Sandy F S6 - Stripped S7 - Dark Su S8 - Polyvalu S9 - Thin Da F2 - Loamy G F3 - Depleter F6 - Redox D F7 - Depleter F8 - Redox D	Redox I Matrix Irface Ire Below Di rk Surface Gleyed Mat d Matirx Dark Surfac d Dark Surfac	ark Surface (MLRA 147, 148 rix e face	(MLRA 147, 1	☐ F13 - Um ☐ F19 - Pie	n-Manganese Mahoric Surface (ML) demont Floodplai d Parent Materia 1 Indicate Hydric Soil I	RA 122, 136)	A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	Tuck (MLRA 147) Prairie Redox (MLRA 147, 148) t Floodplain Soils (MLRA 136, 147) Shallow Dark Surface in in Remarks) drology must be present, unless disturbed or problematic. Yes ☑ No
Remarks:											

SP 24

Wetland ID: Wetland 8 Sample Point



Project/Site: Ware Road-Seaman 138 kV Transmission Line Project

WETLAND DETERMINATION DATA FORM

VEGETATION		non-native sp	oecies.)			
Tree Stratum (I	Plot size: 30 ft radius)		0/ 0	Deminent	In al Otation	Dominance Test Worksheet
1.	Species Name	_	% Cover	<u>Dominant</u>	Ind.Status	Dominance rest worksneet
2.						Aliantes of Descious Consider that are ORL FACIAL as FAC.
						Number of Dominant Species that are OBL, FACW, or FAC:(A)
3.						Total Niverboard Descinant Country Association (P)
4.						Total Number of Dominant Species Across All Strata: 3 (B)
5.						Percent of Dominant Species That Are OBL, FACW, or
6.						FAC: <u>0.0%</u> (A/B)
7.						Dravalance Index Markshoot
8.						Prevalence Index Worksheet
9. 10.						Total % Cover of: Multiply by:
10.		al Cover =	0			OBL spp. 0
	Tota	ii Covei =	U			
Capling/Chrub C	stratum (Plot size: 15 ft radius)					FAC spp. 0
1.						UPL spp. 35 X 5 = 175
2.						οι Ε ερμ. 35 χ σ = 175
3.						Total 105 (A) 455 (B)
4.						10tal 100 (A) 400 (B)
5.						Prevalence Index = B/A =
6.						1 TOVAIGHOC HINGS - D/N -
7.						
8.						Hydrophytic Vegetation Indicators:
9.						Yes D No Rapid Test for Hydrophytic Vegetation
10.						Yes Dominance Test is > 50%
		al Cover =	0			Yes □ □ No Prevalence Index is ≤ 3.0 *
	. 3.3	0010.	Ŭ			Yes □ □ No Morphological Adaptations (Explain) *
Herh Stratum (F	Plot size: 5 ft radius)					Yes D No Problem Hydrophytic Vegetation (Explain) *
1.	Senecio vulgaris		20	Υ	FACU	1
2.	Schedonorus arundinaceus		30	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Setaria faberi		30	Y	UPL	present, unless disturbed or problematic.
4.	Symphyotrichum sp.		5	N.	NI	Definitions of Vegetation Strata:
5.	Taraxacum officinale		10	N	FACU	
6	Achillea millefolium		10	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.						height (DBH), regardless of height.
8.						
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28
10.						ft. tall.
11.						
12.						Herb - All herbaceous (non-woody) plants, regardless of size,
13.						and woody plants less than 3.28 ft. tall.
14.						1
15.						Woody Vines - All woody vines greater than 3.28 ft. in height.
	Tota	al Cover =	105			1
Woody Vine Str	atum (Plot size: 30 ft radius)					
1.						
2.						
3.						Hydrophytic Vegetation Present ☐ Yes ☑ No
4.						
5.						
	Tota	al Cover =	0			
Remarks:			_	_	_	
Additional R	emarks:					



Are Vegetation□ Are Vegetation□ SUMMARY OF F Hydrophytic Veg	American E Bill Leopolo TkA - Tilsit S Toeslope ~0 rologic cond , Soil □, c , Soil □, c FINDINGS etation Pres	Latitude: Latitude: itions on the site typi or Hydrology natu ent?	39.01782 cal for this tificantly distu	Invest Loc L ime of ye urbed?	cal Relief: ongitude: ar? (If no, ex	Tim Bot /I/WWI (Concave -83.3179	Classification: e 53 barks) e normal circui Yes	Datum: ✓ Yes □ mstances pre □ No Hydric Soils	NAD83 No sent? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range:	PFO Dir: Ves No
Wetland Hydrolo Remarks:	gy Present			☑ Yes	□ No			Is This Samp	oling Point V	Vithin A Wetla	and? □ Yes ■ No
Remarks.											
HYDROLOGY											
Wetland Hydro	A1 - Surface A2 - High Wa A3 - Saturati B1 - Water M B2 - Sedimer B3 - Drift Der B4 - Algal Ma B5 - Iron Der	ater Table on larks at Deposits posits at or Crust		re not pre	B9 - Wate B13 - Aqu B14 - True C1 - Hydr C3 - Oxidi C4 - Prese	atic Fauna e Aquatic ogen Sulficed Rhizo ence of Re ont Iron Re Muck Surf	a Plants de Odor spheres on Livin educed Iron eduction in Tilled face		00000000	B10 - Drainage B16 - Moss Trir C2 - Dry Seaso C8 - Crayfish B C9 - Saturation	egetated Concave Surface Patterns n Lines n Water Table urrows Visible on Aerial Imagery Stressed Plants iic Position quitard graphic Relief
Field Observati	ons:										
Surface Water P Water Table Pre Saturation Prese	sent? ent?	✓ Yes □ No □ Yes ✓ No □ Yes ✓ No	Depth: Depth: Depth:		(in.) (in.) (in.)			Wetland Hye		esent?	Yes No
Remarks:	ed Data (stre	am gauge, monitoring	y well, aerial	pnotos, pi	evious ins	pections)	i, if available:		N/A		
SOILS Man Unit Name:	TkA - Tilsit	Silt Loam 0-3% Slop	nes ee		9	eries Dr	ainage Class:				
Taxonomy (Sub		One Loans o o 70 Olos	500			01100 21	amago Olaco.				
		e depth needed to document the indica	ator or confirm the abse) (Type: C=Conce	ntration, D=Dep	eletion, RM=Reduced Matri		and Grains; Location:	PL=Pore Lining, M=Matr	
Top	Bottom	Hariman	Color (Matrix	I 0/	Cal	ou (Maiot)	Mottles	Turne	Landina	Texture
Depth 0	Depth 4	Horizon 	Color (I 10YR	5/2	% 80	10YR	or (Moist) 4/6	% 20	Type C	Location M	(e.g. clay, sand, loam)
4	12		10YR	6/1	98	101R 10YR	5/6	20	C	PL	sandy loam sandy clay
12	15		7.5YR	5/3	70	10YR	5/2	30	D	M	silty clay
			7.5110								
						1					
□ A1- Histosol □ A2 - Histic Epipe □ A3 - Black Histic □ A4 - Hydrogen S □ A5 - Stratified La □ A10 - 2 cm Muck □ A11 - Depleted E □ A12 - Thick Dark □ S1 - Sandy Muck □ S4 - Sandy Gleye	don ulfide yers ((LRR N) Below Dark Su Surface (Mineral (LRR N	rface	e if indicator S5 - Sandy F S6 - Strippec S7 - Dark Su S8 - Polyvalu S9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox E F7 - Depleter F8 - Redox E	Redox I Matrix Irface Ie Below D rk Surface Gleyed Mat d Matirx Dark Surfac d Dark Sur	ark Surface (MLRA 147, 148) rix se face		F13 - Um F19 - Pie	h-Manganese M bric Surface (MLI dmont Floodplai d Parent Materia	RA 122, 136)	A10 - 2cm M A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	r Problematic Soils ¹ Muck (MLRA 147) Prairie Redox (MLRA 147, 148) tt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface ain in Remarks)
Restrictive Layer (If Observed)	Type:			Depth:				Hydric Soil	Present?	2	Yes No
Remarks:											



Project/Site:	Ware Road-Seaman 138 kV Transmission Line Pro	ject			Wetland ID: Wetland 9 Sample Point SP 25
VEGETATION	(Species identified in all uppercase are non-native	species.)			
Tree Stratum (Plo	st size: 30 ft radius) Species Name	0/ Causes	Dominant	Ind.Status	Dominance Test Worksheet
1.	Salix nigra	% Cover 50	Y	OBL	Dominance rest worksneet
2.					Number of Dominant Species that are OBL, FACW, or FAC: 5 (A)
3.					(1)
4.					Total Number of Dominant Species Across All Strata: 5 (B)
5.					Percent of Dominant Species That Are OBL, FACW, or
6.					FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 130 X 1 = 130
	Total Cover =	50			FACW spp. 0 X 2 = 0
					FAC spp. $0 \times 3 = 0$
Sapling/Shrub Stra	atum (Plot size: 15 ft radius)				FACU spp. 0 X 4 = 0
1.	Salix nigra	30	Υ	OBL	UPL spp. $0 x 5 = 0$
2.					
3.					Total 130 (A) 130 (B)
4.					
5.					Prevalence Index = B/A = 1.000
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes ☑ □ No Rapid Test for Hydrophytic Vegetation
10.	Total Cover				Yes □ No Dominance Test is > 50%
	Total Cover =	30			Yes ☑ □ No Prevalence Index is ≤ 3.0 *
					Yes □ □ No Morphological Adaptations (Explain) *
Herb Stratum (Plo		10	Υ	OBL	Yes □ □ No Problem Hydrophytic Vegetation (Explain) *
1. 2.	Potamogeton natans Elodea canadensis	10	Y	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Zizania aquatica	30	Y	OBL	present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					Definitions of Vegetation Strata.
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28
10.					ft. tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	50			·
		-			
Woody Vine Stratu	ım (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☑ Yes □ No
4.					
5.					
	Total Cover =	0			
Remarks:					
Additional Ren	narks:				
I					



	Mountains and Piedmo		-				
n Line Project	Stantec Project #	f: 1	193704860		Date:	03/29/17	
					County:	Adams	
Investigat	or #2: Tim Botting				State:	Ohio	
	NWI/WWI Classification	n: N/	Ά		Wetland ID:	Wetland 9	
Local I	Relief: Concave				Sample Point:	SP 26	
9.01783 Long	itude: -83.31749		Datum:	NAD83	Community ID:	UPL	
for this time of year?	(If no, explain in remarks)	V	Yes □	No	Section:		

Project/Site: Applicant: Investigator #1:	Ware Road-S						D	400704000			00/00/47	
		Seaman 138 kV Transm	ission Line Pro	oject		Stant	ec Project #:	193704860		Date:	03/29/17	
Investigator #1:	American E	Electric Power								County:	Adams	
	Bill Leopold	d		Invest	igator #2:	Tim Bot	tina			State:	Ohio	
Soil Unit:		ilt Loam 0-3% Slopes					Classification:	N/A		Wetland ID:		
Landform:		iii Loaiii 0-376 Slopes						11/74				
	Toeslope				cal Relief:			. .		Sample Point:		
Slope (%):	~0		39.01783		ongitude:				NAD83	Community ID	: UPL	
Are climatic/hyd	Irologic cond	itions on the site typ	ical for this t	ime of ye	ar? (If no, e	xplain in ren	narks)		No	Section:		
Are Vegetation	Soil 🗆 c	r Hydrology □ sign	ificantly dist	urbed?		Are	e normal circu	imstances pre	esent?	Township:		
		or Hydrology □ natu						□ No		Range:	Dir:	
SUMMARY OF		i riyarology 🗖 riata	rally probler	natio:			163	_ NO		rtange.	Dii.	
Hydrophytic Ve				□ Yes	s ☑ No			Hydric Soils				No
Wetland Hydrol	ogy Present?			□ Yes	s ☑ No			Is This Samp	oling Point \	Nithin A Wetl	land? ■ Yes ◙ □	No
Remarks:												
HYDROLOGY												
Wetland Hydro	ology Indica	tors (Check here if	indicators a	re not nre	sent):				Secondary:			
Primary		(Oncor nore ii	ii laloatoi 5 ai	o not pro).					B6 - Surface S	oil Crooks	
riiilary	A1 - Surface	Mator			B9 - Wate	or Stainad	Loovos				egetated Concave Surface	
	A2 - High Wa				B13 - Aqu					B10 - Drainage		
	A3 - Saturation				B14 - Tru					B16 - Moss Tri		
	B1 - Water M				C1 - Hydr						on Water Table	
	B2 - Sedimer						spheres on Livir	og Poots		C8 - Crayfish E		
							educed Iron	ig Roots			Notification Visible on Aerial Imagery	
	B3 - Drift Dep B4 - Algal Ma						educea fron eduction in Tilled	Coilo			r Stressed Plants	
					Co - Rece			SOIIS				
	B5 - Iron Dep									D2 - Geomorph		
	B7 - Inundatio	on Visible on Aerial Ima	gery		Other (Ex	piain in Re	emarks)			D3 - Shallow A		
										D4 - Microtopo		
									П	D5 - FAC-Neut	irai rest	
Field Observat	ions:											
Surface Water I	Procent?	□ Yes ☑ No	Depth:		(in.)							
			•		. ,			Wetland Hy	drology Pr	esent?	Yes ☑ No	
Water Table Pro		□ Yes ☑ No	Depth:		(in.)							
Saturation Pres	ent?	Yes <a> No	Depth:		(in.)							
	15											
Describe Record	ed Data (etre	am gauge monitoring	well aerial	nhotos nr	evious ins	nections)	if available:		N/A			
	ed Data (stre	am gauge, monitoring	g well, aerial	photos, pr	evious ins	spections)	, if available:		N/A			
Describe Record Remarks:	ed Data (stre	am gauge, monitoring	g well, aerial	photos, pr	revious ins	spections)	, if available:		N/A			
Remarks:	ed Data (stre	am gauge, monitorino	g well, aerial	photos, pr	evious ins	spections)	, if available:		N/A			
Remarks:	ed Data (stre	am gauge, monitorino	g well, aerial	photos, pr	evious ins	spections)	, if available:		N/A			
Remarks: SOILS				photos, pr					N/A			
Remarks: SOILS Map Unit Name	: TkA - Tilsit	am gauge, monitoring		photos, pr			, if available: ainage Class:		N/A			
Remarks: SOILS Map Unit Name Taxonomy (Sub	: TkA - Tilsit group):	Silt Loam 0-3% Slop	pes		S	Series Dr	ainage Class:					
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip	: TkA - Tilsit group): otion (Describe to the		pes	ence of indicators.	S	Series Dr	ainage Class:	rix, CS=Covered/Coated S		: PL=Pore Lining, M=Matl		
Remarks: SOILS Map Unit Name Taxonomy (Sub	: TkA - Tilsit group):	Silt Loam 0-3% Slop	pes		S	Series Dr	ainage Class:			: PL=Pore Lining, M=Mat	rrix) Texture	
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top	: TkA - Tilsit group): ttion (Describe to the Bottom	Silt Loam 0-3% Slop se depth needed to document the indic	DES ator or confirm the abse	ence of indicators. Matrix	.) (Type: C=Conc	Series Dr	ainage Class:	rix, CS=Covered/Coated S	and Grains; Location	T	Texture	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	: TkA - Tilsit ogroup): tion (Describe to the Bottom Depth	Silt Loam 0-3% Slop se depth needed to document the indic Horizon	ator or confirm the absorption (ence of indicators. Matrix Moist)	.) (Type: C=Conc	Series Dr	ainage Class: letion, RM=Reduced Matr or (Moist)	rix, CS=Covered/Coated S Mottles	and Grains; Location	Location	Texture (e.g. clay, sand, lo	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	: TkA - Tilsit group): stion (Describe to the Bottom Depth	Silt Loam 0-3% Slop se depth needed to document the indic Horizon	cator or confirm the absence Color (I	ence of indicators. Matrix Moist) 4/6	(Type: C=Conc	Series Dr entration, D=Deg Col 10YR	ainage Class: letion, RM=Reduced Matr or (Moist) 3/3	mix, CS=Covered/Coated S Mottles % 20	and Grains; Location Type C	Location M	Texture (e.g. clay, sand, lo sandy loam	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	: TkA - Tilsit ogroup): tion (Describe to the Bottom Depth	Silt Loam 0-3% Slop se depth needed to document the indic Horizon	ator or confirm the absorption (ence of indicators. Matrix Moist)	% 80 60	Series Dr	ainage Class: letion, RM=Reduced Matr or (Moist)	rix, CS=Covered/Coated S Mottles	and Grains; Location	Location	Texture (e.g. clay, sand, lo	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	: TkA - Tilsit group): stion (Describe to the Bottom Depth	Silt Loam 0-3% Slop se depth needed to document the indic Horizon	cator or confirm the absence Color (I	ence of indicators. Matrix Moist) 4/6	(Type: C=Conc	Series Dr entration, D=Deg Col 10YR	ainage Class: letion, RM=Reduced Matr or (Moist) 3/3	mix, CS=Covered/Coated S Mottles % 20	and Grains; Location Type C	Location M	Texture (e.g. clay, sand, lo sandy loam	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6	: TkA - Tilsit group): tion (Describe to the Bottom Depth 6	Silt Loam 0-3% Slop se depth needed to document the indic Horizon	color (in 10 yr 10	Matrix Moist) 4/6 5/4 5/6	% 80 60 40	Series Dr entration, D=Dep Col 10YR	ainage Class: letion, RM=Reduced Matr or (Moist) 3/3	Mottles % 20	and Grains; Location Type C	Location M 	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6	: TkA - Tilsit group): tion (Describe to 10 Bottom Depth 6 8	Silt Loam 0-3% Slop se depth needed to document the indic Horizon	color (in 10 yr 10	matrix Moist) 4/6 5/4 5/6	% 80 60 40	Series Dr entration, D=Dep Col 10YR	ainage Class: letion, RM=Reduced Matr or (Moist) 3/3	ix, CS=Covered/Costed S Mottles % 20	and Grains; Location Type C	Location M	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6	: TkA - Tilsit group): tion (Describe to til Bottom Depth 6 8	Silt Loam 0-3% Slop se depth needed to document the indic Horizon	color (in 10 yr 10	mnce of indicators. Matrix Moist) 4/6 5/4 5/6	% 80 60 40	Series Dr entration, D-Dep Col 10YR	ainage Class: letion, RM=Reduced Matr or (Moist) 3/3	ix, CS=Covered/Costed S Mottles % 20	and Grains; Location Type C	Location M 	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6	: TkA - Tilsit group): tion (Describe to 10 Bottom Depth 6 8	Silt Loam 0-3% Slop se depth needed to document the indic Horizon	color (in 10 yr 10	matrix Moist) 4/6 5/4 5/6	% 80 60 40	Series Dr entration, D=Dep Col 10YR	ainage Class: letion, RM=Reduced Matr or (Moist) 3/3	ix, CS=Covered/Costed S Mottles % 20	and Grains; Location Type C	Location M	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6	: TkA - Tilsit group): tion (Describe to til Bottom Depth 6 8	Silt Loam 0-3% Slop se depth needed to document the indic Horizon	color (Interpretation of the state of the st	mnce of indicators. Matrix Moist) 4/6 5/4 5/6	% 80 60 40	Series Dr entration, D-Dep Col 10YR	ainage Class: letion, RM=Reduced Matr or (Moist) 3/3	ix, CS=Covered/Costed S Mottles % 20	and Grains; Location Type C	Location M	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6	: TkA - Tilsit group): tion (Describe to 10 Bottom Depth 6 8	Silt Loam 0-3% Slop se depth needed to document the indice Horizon	Color (I 10YR 7.5YR	ence of indicators. Matrix Moist) 4/6 5/4 5/6	% 80 60 40	Series Dr entration, D=Dep Col 10YR	ainage Class: letion, RM=Reduced Matr or (Moist) 3/3	Mottles % 20	and Grains; Location Type C	Location M	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6	: TkA - Tilsit group): tion (Describe to II Bottom Depth 6 8 	Silt Loam 0-3% Slop ee depth needed to document the indic Horizon	Color (I 10 YR 10 YR 7.5 YR	ence of indicators. Matrix Moist) 4/6 5/4 5/6	% 80 60 40 	Series Dr entration, D=Dep Col 10YR	ainage Class: letion, RM=Reduced Matr or (Moist) 3/3	Mottles Mottles 20	and Grains; Location Type C	Location M	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6	: TkA - Tilsit group): tion (bescribe to it Bottom Depth 6 8 Soil Field In	Silt Loam 0-3% Slop to depth needed to document the indice Horizon dicators (check her	Color (I 10YR 10YR 7.5YR e if indicator	more of indicators Matrix Moist) 4/6 5/4 5/6	% 80 60 40 	Series Dr entration, D=Dep Col 10YR	ainage Class: or (Moist) 3/3	Mottles Mottles 20	and Grains; Location Type C	Location M Indicators for	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric	: TkA - Tilsit group): tion (Describe to 11 Bottom Depth 6 8 Soil Field In	Silt Loam 0-3% Slop ee depth needed to document the indic Horizon	Color (in 10 yr 10	mnce of indicators. Matrix Moist) 4/6 5/4 5/6 s are not Redox	% 80 60 40 	Series Dr entration, D=Dep Col 10YR	ainage Class: letion, RM=Reduced Matr or (Moist) 3/3 -	Mottles Mottles 20	and Grains; Location Type C	Location M Indicators for A10 - 2cm I	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric: A1- Histosol A2 - Histic Epipe	: TkA - Tilsit group): tion (Describe to til Bottom Depth 6 8 Soil Field In	Silt Loam 0-3% Slop to depth needed to document the indice Horizon dicators (check her	Color (I 10YR 10YR 7.5YR e if indicator \$5 - \$andy \$6 - \$tripped \$6 - \$tr	mence of indicators. Matrix Moist) 4/6 5/4 5/6	% 80 60 40 	Series Dr entration, D=Dep Col 10YR	ainage Class: or (Moist) 3/3 -	Mottles Mottles % 20	and Grains; Location Type C RA 122, 136)	Location M Indicators fc A10 - 2cm I A16 - Coast	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric A1- Histosol A2 - Histic Epipe A3 - Black Histit	: TkA - Tilsit group): tion (Describe to II Bottom Depth 6 8 Soil Field In	Silt Loam 0-3% Slop to depth needed to document the indice Horizon dicators (check her	Color (in 10 yr 10	mence of indicators. Matrix Moist) 4/6 5/4 5/6	% 80 60 40 	Series Dr entration, D=Dep Col 10YR	ainage Class: or (Moist) 3/3 -	Mottles Mottles 20	and Grains; Location Type C RA 122, 136)	Location M Indicators for A10 - 2cm I I A16 - Coast F19 - Piedmon	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric: A1- Histosol A2 - Histic Epipe	: TkA - Tilsit group): tion (Describe to II Bottom Depth 6 8 Soil Field In	Silt Loam 0-3% Slop te depth needed to document the indic Horizon dicators (check her	Color (I 10YR 10YR 7.5YR e if indicator \$5 - \$andy \$6 - \$tripped \$6 - \$tr	marce of Indicators. Matrix Moist) 4/6 5/4 5/6 s are not Redox Matrix Indicators.	% 80 60 40 present	Series Dr entration, D=Dep Col 10YR): □	ainage Class: or (Moist) 3/3 -	Mottles Mottles % 20	and Grains; Location Type C RA 122, 136)	Location M Indicators for A10 - 2cm I I A16 - Coast F19 - Piedmon	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric A1- Histosol A2 - Histic Epipe A3 - Black Histit	: TkA - Tilsit group): tion (Describe to the second of the	Silt Loam 0-3% Slop re depth needed to document the indic Horizon dicators (check her	Color (I 10YR 10YR 7.5YR e if indicator \$5 - Sandy F \$6 - Strippec \$7 - Dark Su	ence of Indicators. Matrix Moist) 4/6 5/4 5/6 s are not Redox x If Matrix	% 80 60 40 present	Series Dr entration, D=Deg Col 10YR	ainage Class: or (Moist) 3/3 -	Mottles Mottles % 20	and Grains; Location Type C asses (LRR N. RA 122, 136)	Location M Indicators fc A10 - 2cm I A16 - Coast F19 - Piedmon TF12 - Very	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric: A1- Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified L	: TkA - Tilsit group): stion (Describe to to Bottom Depth 6 8 Soil Field In edon Sulfide ayers	Silt Loam 0-3% Slop re depth needed to document the indic Horizon dicators (check her	Color (In 10 yr 10	mnce of indicators. Matrix Moist) 4/6 5/4 5/6 s are not Redox Matrix Moist of the following	% 80 60 40 present	Series Dr entration, D=Deg Col 10YR	ainage Class: or (Moist) 3/3 -	Mottles Mottles % 20	and Grains; Location Type C asses (LRR N. RA 122, 136)	Location M Indicators fc A10 - 2cm I A16 - Coast F19 - Piedmon TF12 - Very	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric: A1- Histosol A2- Histic Epip A3 - Black Histic A4 - Hydrogen S	: TkA - Tilsit group): ition (Describe to it Bottom Depth 6 8 Soil Field In edon C Sulfide sayers k (LRR N)	Silt Loam 0-3% Slop re depth needed to document the indic Horizon dicators (check her	Color (I 10YR 10YR 7.5YR e if indicator \$5 - Sandy F \$5 - Sandy F \$7 - Dark Su \$8 - Polyvalu. \$9 - Thin Da \$7 - Loamy (I)	mance of indicators. Matrix Moist) 4/6 5/4 5/6 S are not Redox d Matrix urface ue Below D rk Surface Gleyed Mat	% 80 60 40 present	Series Dr entration, D=Deg Col 10YR	ainage Class: or (Moist) 3/3 -	Mottles Mottles % 20	and Grains; Location Type C asses (LRR N. RA 122, 136)	Location M Indicators fc A10 - 2cm I A16 - Coast F19 - Piedmon TF12 - Very	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric A1- Histosol A2- Histic Epip A3- Black Histic A4- Hydrogen S A5- Stratified L A10- 2 cm Muc	: TkA - Tilsit group): tion (Describe to the state of the	Silt Loam 0-3% Slop re depth needed to document the indic Horizon dicators (check her	Color (In 10 yr 10	marce of Indicators. Matrix Moist) 4/6 5/4 5/6 s are not Redox Matrix Inface Below D rk Surface Gleyed Mat d Matrix	% 80 60 40 present	Series Dr entration, D=Deg Col 10YR	ainage Class: or (Moist) 3/3 -	Mottles Mottles % 20	and Grains; Location Type C asses (LRR N. RA 122, 136)	Location M Indicators fc A10 - 2cm I A16 - Coast F19 - Piedmon TF12 - Very	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric: A1- Histosol A2- Histic Epip A3 - Black Histic A4 - Hydrogen S A5 - Stratified L A10 - 2 cm Muc A11 - Depleted A12 - Thick Daar	: TkA - Tilsit group): tion (Describe to til Bottom Depth 6 8 Soil Field In edon Coulfide ayers k (LRR N) Bellow Dark Su k Surface	Silt Loam 0-3% Slop to depth needed to document the indice Horizon dicators (check her	color (in the absence of the color of the co	ance of indicators. Matrix Moist) 4/6 5/4 5/6 s are not Redox I Matrix	% 80 60 40 present	Series Dr entration, D=Deg Col 10YR	ainage Class: or (Moist) 3/3 -	Mottles Mottles % 20	and Grains; Location Type C asses (LRR N. RA 122, 136) In Soils (MLRA	Location M Indicators fc A10 - 2cm I A16 - Coast F19 - Piedmon TF12 - Very	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay sandy clay	am)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric: A1- Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified L A10 - 2 cm Muc A11 - Depleted A12 - Thick Dar S1 - Sandy Muc	: TkA - Tilsit group): tion (Describe to to Bottom Depth 6 8 Soil Field In edon Sulfide ayers k (LRR N) Below Dark Su k Surface k Mineral (LRR N	Silt Loam 0-3% Slop te depth needed to document the indic Horizon dicators (check her	color (Color (10YR 10YR 7.5YR e if indicator \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox F7 - Depleter F7 - Depleter	mnce of indicators. Matrix Moist) 4/6 5/4 5/6 s are not Redox d Matrix Inface Gleyed Mat d Matrix Jark Surface d Dark Surface	% 80 60 40 present	Series Dr entration, D=Deg Col 10YR	ainage Class: or (Moist) 3/3 -	Mottles Mottles % 20	and Grains; Location Type C asses (LRR N.C RA 122, 136) in Soils (MLRA al (MLRA 127, 14C)	Location M Indicators for A10 - 2cm I A16 - Coast F19 - Piedmon TF12 - Very Other (Expli	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric: A1- Histosol A2 - Histic Epip A3 - Black Histic A4 - Hydrogen S A5 - Stratified L A10 - 2 cm Muc A11 - Depleted A12 - Thick Dar S1 - Sandy Muc S4 - Sandy Gley	: TkA - Tilsit group): tion (Describe to til Bottom Depth 6 8 Soil Field In edon :: Sulfide ayers k (LRR N) Below Dark Su k Surface k Mineral (LRR N red Matrix	Silt Loam 0-3% Slop e depth needed to document the indic Horizon dicators (check her	color (in the absence of the color of the co	ance of indicators. Matrix Moist) 4/6 5/4 5/6 s are not Redox I Matrix	% 80 60 40 present	Series Dr entration, D=Deg Col 10YR	ainage Class: or (Moist) 3/3 -	Mottles Wottles Wot	and Grains; Location Type C asses (LRR N.C RA 122, 136) C in Soils (MLRA all (MLRA 127, 14C)	Location M Indicators fc A10 - 2cm I A16 - Coast F19 - Piedmon TF12 - Very Other (Expl	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay sandy clay	
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 6 NRCS Hydric: A1- Histosol A2 - Histic Epipe A3 - Black Histic A4 - Hydrogen S A5 - Stratified L A10 - 2 cm Muc A11 - Depleted A12 - Thick Dar S1 - Sandy Muc	: TkA - Tilsit group): tion (Describe to to Bottom Depth 6 8 Soil Field In edon Sulfide ayers k (LRR N) Below Dark Su k Surface k Mineral (LRR N	Silt Loam 0-3% Slop e depth needed to document the indic Horizon dicators (check her	color (Color (10YR 10YR 7.5YR e if indicator \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Depleter F6 - Redox F7 - Depleter F7 - Depleter	mnce of indicators. Matrix Moist) 4/6 5/4 5/6 s are not Redox d Matrix Inface Gleyed Mat d Matrix Jark Surface d Dark Surface	% 80 60 40 present	Series Dr entration, D=Deg Col 10YR	ainage Class: or (Moist) 3/3 -	Mottles Mottles % 20	and Grains; Location Type C asses (LRR N.C RA 122, 136) C in Soils (MLRA all (MLRA 127, 14C)	Location M Indicators fc A10 - 2cm I A16 - Coast F19 - Piedmon TF12 - Very Other (Expl	Texture (e.g. clay, sand, lo sandy loam sandy clay sandy clay	

SP 26

Wetland ID: Wetland 9 Sample Point



Project/Site:

Ware Road-Seaman 138 kV Transmission Line Project

WETLAND DETERMINATION DATA FORM

VEGETATION	(Species identified in all uppercas lot size: 30 ft radius)	se are non-native s	pecies.)			
Tree Stratum (P			0/ 0	Deminent	In al Otration	Dominance Test Worksheet
١ ,	Species Name	=		Dominant	Ind.Status	Dominance rest worksneet
1.	Pinus banksiana		20	Y	FACU	
2.	Quercus rubra		10	Υ	FACU	Number of Dominant Species that are OBL, FACW, or FAC:(A)
3.	Juglans nigra		10	Υ	FACU	
4.						Total Number of Dominant Species Across All Strata: 7 (B)
5.						Percent of Dominant Species That Are OBL, FACW, or
6.						FAC: 0.0% (A/B)
7.						· · · · · · · · · · · · · · · · · · ·
8.						Prevalence Index Worksheet
9.						
						Total % Cover of: Multiply by:
10.		-				OBL spp. 0
		Total Cover =	40			FACW spp. 0
						FAC spp. $0 X 3 = 0$
	ratum (Plot size: 15 ft radius)					FACU spp. 80
1.	Juniperus virginiana		15	Υ	FACU	UPL spp. 20 X 5 = 100
2.	Rosa multiflora		5	Υ	FACU	
3.						Total 100 (A) 420 (B)
4.						
5.						Prevalence Index = B/A = .200
6.						1 Tevaletice mack = B/A = .200
7.						
						Hedronbod's Warefellow Indicators
8.						Hydrophytic Vegetation Indicators:
9.						Yes □ □ No Rapid Test for Hydrophytic Vegetation
10.						Yes □ □ No Dominance Test is > 50%
		Total Cover =	20			Yes □ □ No Prevalence Index is ≤ 3.0 *
						Yes □ □ No Morphological Adaptations (Explain) *
Herb Stratum (Pl	ot size: 5 ft radius)					Yes □ □ No Problem Hydrophytic Vegetation (Explain) *
1.	Achillea millefolium		10	Υ	FACU	100 = 100 1 1000011 Tydrophydd Vogetadon (Explain)
2.	Symphyotrichum sp.		20	N.	NI	* Indicators of hydric soil and wetland hydrology must be
3.	Poa pratensis		10	Y	FACU	present, unless disturbed or problematic.
						Definitions of Newstellan Otasta
4.						Definitions of Vegetation Strata:
5.						
6						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.						height (DBH), regardless of height.
8.						
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28
10.						ft. tall.
11.						
12.						Herb - All herbaceous (non-woody) plants, regardless of size,
						and woody plants less than 3.28 ft. tall.
13.						
14.						
15.						Woody Vines - All woody vines greater than 3.28 ft. in height.
		Total Cover =	40			
Woody Vine Stra	tum (Plot size: 30 ft radius)					
1.						
2.						
3.						Hydronhytic Vegetation Present II Vos. II No.
4.						Hydrophytic Vegetation Present □ Yes ☑ No
5.		T-1-1-0				
		Total Cover =	0			
Remarks:						
Additional Re	emarks:					
1						



Project/Site: Applicant: Investigator #1: Soil Unit: Landform: Slope (%):	American E Bill Leopole	ilt Loam 0-3% Slopes	39.01449	Investi	gator #2: NW al Relief: ongitude:	Tim Bot /I/WWI (Concave	Classification: e		NAD83	Date: County: State: Wetland ID: Sample Point: Community ID:	SP 27
Are climatic/hyd	Irologic cond ☐ , Soil ☐, d	itions on the site typior Hydrology signior Hydrology natu	cal for this t	ime of yea urbed?	ar? (If no, ex	plain in rem	_{narks)} e normal circu		No sent?	Section: Township: Range:	Dir:
SUMMARY OF		or right orogy = riata	rany problem	i i di i i			_ 100	_ 110		rtange.	5
Hydrophytic Ve	getation Pres	sent?		□ Yes	☑ No			Hydric Soils I	Present?		☐ Yes ☑ No
Wetland Hydrol	ogy Present	?		□ Yes	✓ No			Is This Samp	ling Point V	Vithin A Wetla	and? ■ Yes ⊠ No
Remarks:											
HYDROLOGY											
HYDROLOGY Wetland Hydr	A1 - Surface A2 - High Wa A3 - Saturati B1 - Water N B2 - Sedime B3 - Drift De B4 - Algal Ma B5 - Iron Dep	ater Table on farks nt Deposits posits at or Crust		re not pre	B9 - Wate B13 - Aqu B14 - True C1 - Hydr C3 - Oxidi C4 - Prese	atic Fauna e Aquatic ogen Sulfice zed Rhizo ence of Re nt Iron Re Muck Surf	a Plants de Odor ospheres on Livir educed Iron eduction in Tilled face			B10 - Drainage B16 - Moss Trin C2 - Dry Season C8 - Crayfish Bu C9 - Saturation	getated Concave Surface Patterns I Lines I Lines I Water Table Irrows Visible on Aerial Imagery Stressed Plants Ic Position uitard raphic Relief
Field Observat Surface Water Water Table Pr Saturation Pres	Present? esent? ent?	☐ Yes ☑ No ☐ Yes ☑ No ☐ Yes ☑ No ☐ Yes ☑ No	Depth: Depth: Depth:		(in.) (in.) (in.)		if a sellable	Wetland Hyd	Irology Pre	esent?	Yes ☑ No
Remarks:	ed Data (Stre	eam gauge, monitoring	y well, aerial	pnotos, pr	evious ins	pections)), if available:		IN/A		
SOILS											
		Silt Loam 0-3% Slop	oes		S	eries Dr	ainage Class:				
Taxonomy (Sub											
Profile Descrip		ne depth needed to document the indica	ator or confirm the abse) (Type: C=Conce	ntration, D=Dep	oletion, RM=Reduced Matr		nd Grains; Location:	PL=Pore Lining, M=Matri:) Taytura
Top Depth	Bottom Depth	Horizon	Color (I	Matrix	%	Col	or (Moist)	Mottles %	Type	Location	Texture (e.g. clay, sand, loam)
0 0	14	110112011	2.5Y	5/3	100			76 		Location	sandy loam
14	20		2.5Y	5/2	80	10YR	5/8	20	С	М	silty clay
						-					
						1					
□ A1- Histosol □ A2 - Histic Epip □ A3 - Black Histi □ A4 - Hydrogen : □ A5 - Stratified L □ A10 - 2 cm Muc □ A11 - Depleted □ A12 - Thick Dar □ S4 - Sandy Muc □ S4 - Sandy Gley Restrictive Layer	edon C Sulfide ayers ck (LRR N) Below Dark Su k Surface ck Mineral (LRR N		S5 - Sandy F S6 - Stripped S7 - Dark Su S8 - Polyvalu S9 - Thin Du F2 - Loamy (F3 - Depleted F6 - Redox E F7 - Depleted F8 - Redox E	Redox I Matrix Irface Ire Below Dark Surface Gleyed Mat Id Matirx Dark Surfac Dark Surfac	ark Surface (MLRA 147, 148) rix e ace		☐ F13 - Um ☐ F19 - Pie	n-Manganese Ma abric Surface (MLR dmont Floodplai d Parent Materia	RA 122, 136)	A10 - 2cm M A16 - Coast P F19 - Piedmont TF12 - Very Other (Expla	Problematic Soils luck (MLRA 147) luck (MLRA 147, 148) Floodplain Soils (MLRA 158, 147) Shallow Dark Surface in in Remarks) rology must be present, unless disturbed or problematic. Yes No

SP 27

Sample Point



Ware Road-Seaman 138 kV Transmission Line Project

Project/Site:

WETLAND DETERMINATION DATA FORM

Wetland ID: Non JD

/EGETATION Free Stratum (I	 (Species identified in all upper Plot size: 30 ft radius) 	case are non native s	pccics.)			
,	Species Name		% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.		-				
2.						Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.						· · /
4.						Total Number of Dominant Species Across All Strata: 1 (B)
5.						Percent of Dominant Species That Are OBL, FACW, or
6.						FAC: 0.0% (A/B)
7.						TAC. 0.070 (A/D)
8.						Dravalance Index Werkehoot
						Prevalence Index Worksheet
9.						Total % Cover of: Multiply by:
10.						OBL spp. 0
		Total Cover =	0			FACW spp. 0
						FAC spp. $0 x 3 = 0$
apling/Shrub S	Stratum (Plot size: 15 ft radius)					FACU spp. 7 x 4 = 28
1.						UPL spp. 0 $X S = 0$
2.						
3.						Total 7 (A) 28 (B)
4.						
5.						Prevalence Index = B/A = .000
6.						
7.						
8.						Hydrophytic Vegetation Indicators:
9.						
10.						. , , , ,
10.		Total Causes				
		Total Cover =	0			Yes □ □ No Prevalence Index is ≤ 3.0 *
						Yes □ □ No Morphological Adaptations (Explain) *
erb Stratum (F	Plot size: 5 ft radius)					Yes □ □ No Problem Hydrophytic Vegetation (Explain) *
1.	Senecio vulgaris		2	N	FACU	* Indicators of hydric soil and wetland hydrology must be
2.	Poa pratensis		5	Υ	FACU	present, unless disturbed or problematic.
3.						
4.						Definitions of Vegetation Strata:
5.						
6						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.						height (DBH), regardless of height.
8.						
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28
10.						ft. tall.
11.						_
						I I all All hash account (non yearth) plants, regardless of size
12.						Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.						
14.						
15.						Woody Vines - All woody vines greater than 3.28 ft. in height.
		Total Cover =	7			
oody Vine Str	atum (Plot size: 30 ft radius)					
1.						
2.						
3.						Hydrophytic Vegetation Present □ Yes ☑ No
4.						Try at opiny to ogotation i i tesetit to 165 to 110
5.						
ე.		Total Cavar				
1 a ma a ml		Total Cover =	0			
temarks:						
dditional R	emarks:					



Project/Site: Applicant: Investigator #1: Soil Unit: Landform: Slope (%): Are climatic/hydr Are Vegetation I Are Vegetation I SUMMARY OF F Hydrophytic Veg	American E Nathan Nol Omu1B1; Om Depression 1 rologic condii , Soil	Latitutions on the site to r Hydrology □bir r Hydrology □bir r Hydrology □bir r Hydrology □bir	6 slopes ude: 39.08774 typical for this ti gnificantly distu	Lo Lo Lo Me of yea Irbed? hatic?	cal Relief: _ongitude: ar? (If no, ex	Jody Ni WI/WWI Concav -83.179 plain in rema	Classification: e 678 _{trks)}	Datum: Yes □ Imstances pres No Hydric Soils F	Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range:	SP 28 PEM Dir: Yes N	lo.
Wetland Hydrolo Remarks:		area; old pond.		☑ Yes	s 🗆 No)		Is This Samp	ling Point V	Vithin A Wetla	and? Ves N	lo
Remarks.	Depressed	area, old porid.										
HYDROLOGY												
Primary:	A1 - Surface A2 - High Wa A3 - Saturatic B1 - Water M B2 - Sedimer B3 - Drift Dep B4 - Algal Ma B5 - Iron Dep	ter Table on arks at Deposits osits t or Crust		e not pres	B9 - Wate B13 - Aqu B14 - Tru C1 - Hyde C3 - Oxid C4 - Pres C6 - Recc C7 - Thin	ence of Re	a Plants de Odor espheres on Livin educed Iron eduction in Tilled face			B10 - Drainage B16 - Moss Trir C2 - Dry Seaso C8 - Crayfish B C9 - Saturation	egetated Concave Surface Patterns n Lines n Lines n Water Table urrows Visible on Aerial Imagery Stressed Plants ic Position quitard	
Field Observati Surface Water F Water Table Pre Saturation Prese Describe Records	Present? esent? ent?	☐ Yes ☑ No ☑ Yes ☐ No ☑ Yes ☐ No am gauge, monito	Depth:	surface surface	(in.)	pections),	if available:	Wetland Hyd	Irology Pre	esent?	I Yes □ No	
Remarks:	,					,.						
SOILS												
Map Unit Name:						Series Di	rainage Class:	Moderately w	ell drained			
Taxonomy (Sub		Oxyaquic Fragiu										
Top	Bottom	e depth needed to document the	indicator or confirm the abse	nce of indicators.) Matrix	(Type: C=Concer	ntration, D=Deple	tion, RM=Reduced Matrix,	Mottles	Grains; Location: PL:	=Pore Lining, M=Matrix)	Texture	
Depth	Depth	Horizon	Color (%	Col	lor (Moist)	%	Type	Location	(e.g. clay, sand, loar	m)
0	16	1	10YR	5/2	80	10YR	5/6	20	C	M	silt loam	
NRCS Hydric S 11 - Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Muck 11 - Depleted E 12 - Thick Dark	edon Julfide Jugers ((LRR N) Below Dark Sur	dicators (check h	sere if indicator: S5 - Sandy I S6 - Strippe S7 - Dark St S8 - Polyvalt S9 - Thin Da F2 - Loamy F3 - Deplete F6 - Redox I	Redox d Matrix urface ue Below D ark Surface Gleyed Mat d Matirx Dark Surface	eark Surface (MLRA 147, 148 trix		☐ F13 - Um ☐ F19 - Pie	n-Manganese Ma nbric Surface (MLR dmont Floodplain d Parent Materia	A 122, 136) C n Soils (MLRA (A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very	Prairie Redox (MLRA 147) Prairie Redox (MLRA 147, 148) It Floodplain Soils (MLRA 138, 147) Shallow Dark Surface ain in Remarks)	
1 - Sandy Muck 4 - Sandy Gleye	Mineral (LRR N,	MLRA 147, 148)	F7 - Deplete				1	¹ Indical	tors of hydrophytic v	egetation and wetland h	ydrology must be present, unless disturbed or	problematic.
1 - Sandy Muck	Mineral (LRR N,	MLRA 147, 148)						Hydric Soil F			ydrology must be present, unless disturbed or Yes No	problematic.



GETATION	(Species identified in all uppercase are non-native sp	pecies.)			
ee Stratum (Plo	et size: 30 ft radius)				
	<u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)
3.					
4.					Total Number of Dominant Species Across All Strata:(B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 60 X 1 = 60
	Total Cover =	0			FACW spp. 0 x 2 = 0
					FAC spp. 42 X 3 = 126
anling/Shruh Stra	atum (Plot size: 15 ft radius)				FACU spp. 0 x 4 = 0
1.					$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2.					2. 2 SPP. 0 N 0 = 0
3.					Total 102 (A) 186 (B)
4.					100 (D)
<u>4.</u> 5.					Dravelance Index D/A 4 0
					Prevalence Index = B/A = 1. 2
6.					
7.					Hadranbudh Manatadan Indhatan
8.					Hydrophytic Vegetation Indicators:
9.					Yes 🗵 🔲 No Rapid Test for Hydrophytic Vegetation
10.					Yes ☑ ☐ No Dominance Test is > 50%
	Total Cover =	0			Yes ☑ ☐ No Prevalence Index is ≤ 3.0 *
					Yes 🔲 🗀 No Morphological Adaptations (Explain) *
erb Stratum (Plo	t size: 5 ft radius)				Yes ☐ ☐ No Problem Hydrophytic Vegetation (Explain) *
1.	Panicum virgatum	40	Υ	FAC	* Indicators of hydric call and watland hydrology must be
2.	Leersia oryzoides	60	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.					F
4.					Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
					Woody Vines - All woody vines greater than 3.28 ft. in height.
15.					YYOOQY YILES - All moody villes greater than 5.20 ft. in height.
	Total Cover =	100			
	(District of Ook to the Control				
	um (Plot size: 30 ft radius)		A.I	E^^	
1.	Lonicera japonica	2	N	FAC	
2.					
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
4.					
5.					
	Total Cover =	2			
Remarks:					
dditional Ren	narks:				
dditional Ren	narks:				



Project/Site: Ware Road -Seaman 138 kV Transmission Line Project Stantec Project #: 193704860 Applicant: American Electric Power Investigator #1: Nathan Noland Investigator #2: Jody Nicholson Soil Unit: Omu1B1; Omuga silt loam, 2-6% slopes NWI/WWI Classification: N/A Landform: Side slope Local Relief: Linear Sample Point: SP 29 Slope (%): 1 Latitude: 39.08749 Longitude: -83.179631 Datum: NAD83 Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) Are Vegetation , Soil or Hydrology significantly disturbed? Are normal circumstances present? Are Vegetation , Soil or Hydrology haturally problematic? SUMMARY OF FINDINGS	and 10 9
Investigator #1: Nathan Noland Investigator #2: Jody Nicholson State: Ohio Soil Unit: Omu1B1; Omulga silt loam, 2-6% slopes NWI/WWI Classification: N/A Landform: Side slope Local Relief: Linear Slope (%): 1 Latitude: 39.08749 Longitude: -83.179631 Datum: NAD83 Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) Yes No Are Vegetation , Soil , or Hydrology	Dir: Yes \(\text{No} \)
Soil Unit: Omu1B1; Omulga silt loam, 2-6% slopes NWI/WWI Classification: N/A Landform: Side slope Local Relief: Linear Slope (%): 1 Latitude: 39.08749 Longitude: -83.179631 Datum: NAD83 Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)	Dir: Yes \(\text{No} \)
Soil Unit: Omu1B1; Omulga silt loam, 2-6% slopes NWI/WWI Classification: N/A Landform: Side slope Local Relief: Linear Slope (%): 1 Latitude: 39.08749 Longitude: -83.179631 Datum: NAD83 Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)	9 Dir:
Landform: Side slope Slope (%): 1	9 Dir:
Slope (%): 1 Latitude: 39.08749 Longitude: -83.179631 Datum: NAD83 Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) Are Vegetation , Soil or Hydrology isignificantly disturbed? Are Vegetation or Hydrology in the site typical for this time of year? (If no, explain in remarks) Are vegetation or Hydrology in the site typical for this time of year? (If no, explain in remarks) Are normal circumstances present? Are vegetation or Hydrology in the site typical for this time of year? (If no, explain in remarks) Are vegetation or Hydrology in the site typical for this time of year? (If no, explain in remarks) Are vegetation or Hydrology in the site typical for this time of year? (If no, explain in remarks) Are vegetation or Hydrology in the site typical for this time of year? (If no, explain in remarks) Are vegetation or Hydrology in the site typical for this time of year? (If no, explain in remarks) Are vegetation or Hydrology in the site typical for this time of year? (If no, explain in remarks) Are vegetation or Hydrology o	Dir: ☑ Yes □ No
Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) Are Vegetation , Soil , or Hydrology	☑ Yes □ No
Are Vegetation □, Soil □, or Hydrology □significantly disturbed? Are vegetation □, Soil □, or Hydrology □ haturally problematic? Are normal circumstances present? Township: Range: □ No Range: □ Dir:	☑ Yes □ No
Are Vegetation □, Soil □or Hydrology □haturally problematic? □ Yes □ No Range: □ Dir:	☑ Yes □ No
Are Vegetation □, Soil □or Hydrology □haturally problematic? □ Yes □ No Range: □ Dir:	☑ Yes □ No
- 15 12 12 12 12 12 13 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	☑ Yes □ No
, i, , , , , , , , , , , , , , , , , ,	☑ Yes ■ No
Wetland Hydrology Present? □ Yes □ No Is This Sampling Point Within A Wetland? □ Yes □ N	
Remarks:	
HYDROLOGY	
HTDROLOGY	
Wetland Hydrology Indicators (Check here if indicators are not present):	
Primary:	ks
☐ A1 - Surface Water ☐ B9 - Water-Stained Leaves ☐ B8 - Sparsely Vegetated Concave Surface	d Concave Surface
☐ A2 - High Water Table ☐ B13 - Aquatic Fauna ☐ B10 - Drainage Patterns	
☐ A3 - Saturation ☐ B14 - True Aquatic Plants ☐ B16 - Moss Trim Lines	
☐ B1 - Water Marks ☐ C1 - Hydrogen Sulfide Odor ☐ C2 - Dry Season Water Table	1
☐ B2 - Sediment Deposits ☐ C3 - Oxidized Rhizospheres on Living Roots ☐ C8 - Crayfish Burrows	
☐ B3 - Drift Deposits ☐ C4 - Presence of Reduced Iron ☐ C9 - Saturation Visible on Aerial Imagery	
☐ B4 - Algal Mat or Crust ☐ C6 - Recent Iron Reduction in Tilled Soils ☐ D1 - Stunted or Stressed Plants	er Table
☐ B5 - Iron Deposits ☐ C7 - Thin Muck Surface ☐ D2 - Geomorphic Position	er Table on Aerial Imagery
☐ B7 - Inundation Visible on Aerial Imagery ☐ Other (Explain in Remarks) ☐ D3 - Shallow Aquitard	er Table on Aerial Imagery ed Plants
□ D4 - Microtopographic Relief	er Table on Aerial Imagery ed Plants
□ D5 - FAC-Neutral Test	er Table on Aerial Imagery ed Plants tion
Field Observations:	er Table on Aerial Imagery ed Plants tion Relief
	er Table on Aerial Imagery ed Plants tion Relief
Surface Water Present? ☐ Yes ☑ No Depth: (in.) Wetland Hydrology Present? ☐ Yes ☑ No	er Table on Aerial Imagery ed Plants tion Relief
	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present? ☐ Yes ☑ No Depth: (in.)	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present?	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present? ☐ Yes ☑ No Depth: (in.) Saturation Present? ☐ Yes ☑ No Depth: (in.)	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present?	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present? ☐ Yes ☑ No Depth: (in.) Saturation Present? ☐ Yes ☑ No Depth: (in.)	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present?	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present?	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present?	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present?	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present? Saturation Present? Yes No Depth: (in.) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: N/A Remarks: SOILS Map Unit Name: Omu1B1; Omulga silt loam, 2-6% slopes Taxonomy (Subgroup): Oxyaquic Fraguidalfs	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present?	er Table on Aerial Imagery ed Plants tion Relief
Water Table Present? Saturation Present? Yes No Depth: (in.) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: N/A Remarks: SOILS Map Unit Name: Omu1B1; Omulga silt loam, 2-6% slopes Map Unit Name: Osyaquic Fraguidalfs Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.) (Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered/Coated Sand Grains; Location: PL=Pore Lining, M=Matrix)	or Table on Aerial Imagery ed Plants tion Relief
Water Table Present?	or Table on Aerial Imagery ed Plants tion Relief No Texture
Water Table Present? Saturation Present? Yes No Depth: (in.) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: N/A Remarks: SOILS Map Unit Name: Omu1B1; Omulga silt loam, 2-6% slopes Map Unit Name: Omu1B1; Omulga silt loam, 2-6% slopes Taxonomy (Subgroup): Oxyaquic Fraguidalfs Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.) (Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered/Coated Sand Grains; Location: PL=Pore Lining, M=Matrix Top Bottom Depth Depth Horizon Color (Moist) % Color (Moist) % Type Location (e.g. clay, sand, load	or Table on Aerial Imagery ed Plants tion Relief No Texture (e.g. clay, sand, loam)
Water Table Present? Saturation Present? Yes No Depth: (in.) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: N/A Remarks: SOILS Map Unit Name: Omu1B1; Omulga silt loam, 2-6% slopes Taxonomy (Subgroup): Oxyaquic Fraguidalfs Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.) (Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered/Coated Sand Grains; Location: PL=Pore Lining, M=Matrix Top Bottom Depth Depth Horizon Color (Moist) % Color (Moist) % Type Location (e.g. clay, sand, load on the color of the col	r Table on Aerial Imagery ed Plants tion Relief No Texture (e.g. clay, sand, loam) silt loam
Water Table Present? Saturation Present? Yes No Depth: (in.) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: N/A Remarks: SOILS Map Unit Name: Omu1B1; Omulga silt loam, 2-6% slopes Map Unit Name: Omu1B1; Omulga silt loam, 2-6% slopes Taxonomy (Subgroup): Oxyaquic Fraguidalfs Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.) (Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered/Coated Sand Grains; Location: PL=Pore Lining, M=Matrix Top Bottom Depth Depth Horizon Color (Moist) % Color (Moist) % Type Location (e.g. clay, sand, load	r Table on Aerial Imagery ed Plants tion Relief No Texture (e.g. clay, sand, loam) silt loam
Water Table Present? Saturation Present? Yes No Depth: (in.) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: N/A Remarks: SOILS Map Unit Name: Omu1B1; Omulga silt loam, 2-6% slopes Taxonomy (Subgroup): Oxyaquic Fraguidalfs Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.) (Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered/Coated Sand Grains; Location: PL=Pore Lining, M=Matrix Top Bottom Depth Depth Horizon Color (Moist) % Color (Moist) % Type Location (e.g. clay, sand, load on the color of the col	r Table on Aerial Imagery ed Plants tion Relief No Texture (e.g. clay, sand, loam) silt loam
Water Table Present?	Texture (e.g. clay, sand, loam) silt loam
Water Table Present? Saturation Present? Yes No Depth: (in.) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: N/A Remarks: SOILS Map Unit Name: Omu1B1; Omulga silt loam, 2-6% slopes Taxonomy (Subgroup): Oxyaquic Fraguidalfs Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.) (Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered/Coated Sand Grains; Location: PL-Pore Lining, M-Matrix) Top Bottom Depth Horizon Color (Moist) % Color (Moist) % Type Location (e.g. clay, sand, loan of the state of the content of the con	Texture (e.g. clay, sand, loam) silt loam
Water Table Present?	Texture (e.g. clay, sand, loam) silt loam
Water Table Present? Saturation Present? Yes No Depth: (in.) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: N/A Remarks: SOILS Map Unit Name: Omu1B1; Omulga silt loam, 2-6% slopes Taxonomy (Subgroup): Oxyaquic Fraguidalfs Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.) (Type: C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered/Coated Sand Grains; Location: PL-Pore Lining, M-Matrix) Top Bottom Depth Horizon Color (Moist) % Color (Moist) % Type Location (e.g. clay, sand, loan of the state of the content of the con	Texture (e.g. clay, sand, loam) silt loam
Water Table Present?	Texture (e.g. clay, sand, loam) silt loam
Water Lable Present?	Texture (e.g. clay, sand, loam) silt loam
Water Table Present?	Texture (e.g. clay, sand, loam) silt loam
Water Table Present?	Texture (e.g. clay, sand, loam) silt loam lematic Soils ¹
Water Table Present?	Texture (e.g. clay, sand, loam) silt loam
Water Table Present?	Texture (e.g. clay, sand, loam) silt loam
Water Table Present?	Texture (e.g. clay, sand, loam) silt loam
Water Table Present?	Texture (e.g. clay, sand, loam) silt loam lematic Soils IRA 147, 148) lain Soils (MLRA 147, 148) lain Soils (MLRA 136, 147) w Dark Surface
Water lable Present?	Texture (e.g. clay, sand, loam) silt loam lematic Soils IRA 147, 148) lain Soils (MLRA 147, 148) lain Soils (MLRA 136, 147) w Dark Surface
Water lable Present?	Texture (e.g. clay, sand, loam) silt loam lematic Soils IRA 147, 148) lain Soils (MLRA 147, 148) lain Soils (MLRA 136, 147) w Dark Surface
Water able Present?	Texture (e.g. clay, sand, loam) silt loam lematic Soils IRA 147, 148) lain Soils (MLRA 147, 148) lain Soils (MLRA 136, 147) w Dark Surface
Water lable Présent?	Texture (e.g. clay, sand, loam) silt loam lematic Soils IRA 147, 148) lain Soils (MLRA 147, 148) lain Soils (MLRA 136, 147) w Dark Surface
Water Jable Present?	Texture (e.g. clay, sand, loam) silt loam
Water lable Présent?	Texture (e.g. clay, sand, loam) silt loam
Water I able Present?	Texture (e.g. clay, sand, loam) silt loam
Water I able Present?	Texture (e.g. clay, sand, loam) silt loam
Water lable Present?	Texture (e.g. clay, sand, loam) silt loam
Water I able Present?	Texture (e.g. clay, sand, loam) silt loam
Water lable Present?	Texture (e.g. clay, sand, loam) silt loam



Project/Site:	Ware Road -Seaman 138 kV Transmission Line P	roject			Wetland ID: Wetland 10 Sample Point SP 29
VEGETATION	(Species identified in all uppercase are non-native	enaciae)			
	ot size: 30 ft radius)	species.)			
Troo onatam (Fin	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 4 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 2 .0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 = 0
	Total Cover	= 0			FACW spp. 0
					FAC spp. 7
	atum (Plot size: 15 ft radius)	25	V	EAGL	FACU spp. 118 X 4 = 472
1.	Rubus allegheniensis	25	Y	FACU	UPL spp. <u>15</u>
2. 3.	Elaeagnus umbellata	10	Y 	UPL 	T-1-1 440 (A) FCO (D)
					Total 140 (A) 568 (B)
4. 5.					Prevalence Index = B/A =
6.					Prevalence Index = B/A =
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes Vegetation indicators: Yes Vegetation indicators:
10.					Yes □ ☑ No Dominance Test is > 50%
10.	Total Cover	= 35			Yes □ ☑ No Prevalence Index is ≤ 3.0 *
	1010.				Yes □ □ No Morphological Adaptations (Explain) *
Herb Stratum (Plo	ot size: 5 ft radius)				Yes □ □ No Problem Hydrophytic Vegetation (Explain) *
1.	Schedonorus arundinaceus	90	Υ	FACU	
2.	Daucus carota	5	N	UPL	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Achillea millefolium	3	N	FACU	present, unless distribed of problematic.
4.	Lonicera japonica	2	N	FAC	Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.					
11.					Herb - All herbaceous (non-woody) plants, regardless of size,
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					
14. 15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
15.	 Total Cover :				TYOOUY VIIIES - 1 ii Hoody 1 ii oo goddor ddarfoleo it ii ffolgae.
	Total Cover	_ 100			
Woody Vine Strate	um (Plot size: 30 ft radius)				
1.	Lonicera japonica	5	Υ	FAC	
2.			<u> </u>		
3.					Hydrophytic Vegetation Present ☐ Yes ☑ No
4.					
5.					
	Total Cover	= 5			
Remarks:					
Additional Ren	marks:				



Project/Site:												
Filoject/Site.	Ware Road -	Seaman 138 kV Transm	ission Line Pro	oject		Stant	ec Project #:	193704860		Date:	03/28/17	
Applicant:	American E	Electric Power								County:	Pike	
Investigator #1:	Nathan No	and		Invest	igator #2:	Jody Nie	cholson			State:	Ohio	
Soil Unit:		silt loam, occasionally flo	odod				Classification:	DEM1A4		Wetland ID:		
			oueu	1.00				ILWITAG				
Landform:	Depression		00 00004		cal Relief:			Б.	NABOO	Sample Point:		
Slope (%):	~0		39.09201		ongitude:				NAD83	Community ID:	UPL	
		tions on the site typic			r? (If no, exp				No	Section:		
		r Hydrology 🗔 🖂 ignit				Ar	e normal circu	mstances pre	sent?	Township:		
Are Vegetation [□, Soil □c	r Hydrology hatur	ally problem	natic?			Yes	✓ No		Range:	Dir:	
SUMMARY OF I												
Hydrophytic Veg		ont?		☐ Yes	☑ No			Hydric Soils I	Drocont?		☑ Yes □ No	
										Vithin A Motle		
Wetland Hydrold			P f	☑ Yes				Is This Samp	oling Point v	vitnin A vvetia	and? - Yes - No	
Remarks:	Active agric	cultural field. Some p	ooiing from	recent rai	n event.	No water	table present	•				
HYDROLOGY												
Watland Hudra	alagu Indiaa	tere (Chaok hara if i	ndiantara ar	o not proo	ont \.				Casardanii			
_		tors (Check here if in	ndicators are	e not pres	ent):				Secondary:	DC Cf C.	-il Cl	
Primary	: A1 - Surface	Motor			B9 - Wate	r Ctainad	Laguag			B6 - Surface So		
										B10 - Sparsely ve	egetated Concave Surface	
	A2 - High Wa A3 - Saturation			ä	B13 - Aqu B14 - True					B16 - Moss Trir		
	B1 - Water N				C1 - Hydr					C2 - Dry Seaso		
	B2 - Sedime						spheres on Livin	a Poote		C8 - Crayfish B		
	B3 - Drift De			ä			educed Iron	ig ixoots			Visible on Aerial Imagery	
	B4 - Algal Ma						duction in Tilled	Soils			Stressed Plants	
	B5 - Iron Der				C7 - Thin			Oolis		D2 - Geomorph		
		on Visible on Aerial Imag	nerv		Other (Ex					D3 - Shallow Ad		
	D. manaan	on violoto ott violiai inia	. j		011101 (211	p.a	mamo,			D4 - Microtopog		
										D5 - FAC-Neuti		
Field Observati												
Surface Water F		☐ Yes ☑ No	Depth:		(in.)			Wetland Hyd	drology Pre	sent?	l Yes □ No	
Water Table Pre	esent?	Yes No	Depth:		(in.)			Trottana riye	an ology i re		. 100 = 110	
Saturation Prese	ent?	☐ Yes ☑ No	Depth:		(in.)							
Deceribe Decerd	ad Data (atra	am acusa manitarina	المال معتاما ا		vieus isse	a ationa)	if available.		N/A			
	eu Dala (Sile	am gauge, monitoring	well, aeriai p	onotos, pre	vious irisp	ections),	ii avallable.		IV/A			
Remarks:												
SOILS												
SOILS	: Ss: Stenda	l silt loam, occasiona	ally flooded			Series Dr	rainage Class:	Somewhat po	oorly draine	d		
SOILS Map Unit Name:		I silt loam, occasiona	ally flooded		Ş	Series Dr	ainage Class:	Somewhat po	oorly draine	d		
SOILS Map Unit Name: Taxonomy (Sub	group):	Aeric Fluvaquents		non of indicators				·	-			
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip	group): tion (Describe to th							CS=Covered/Coated Sand	-		Touturo	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top	group): tion (Describe to the	Aeric Fluvaquents e depth needed to document the indicate	tor or confirm the absen	Matrix	(Type: C=Concent	tration, D=Deplet	tion, RM=Reduced Matrix, (CS=Covered/Coated Sand Mottles	Grains; Location: PL	=Pore Lining, M=Matrix)	Texture	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to the Bottom Depth	Aeric Fluvaquents	tor or confirm the absen	Matrix Moist)	(Type: C=Concent	tration, D=Deplet		CS=Covered/Coated Sand	-		(e.g. clay, sand, loam	1)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top	group): tion (Describe to the	Aeric Fluvaquents e depth needed to document the indicate	tor or confirm the absen	Matrix	(Type: C=Concent	tration, D=Deplet	tion, RM=Reduced Matrix, (CS=Covered/Coated Sand Mottles	Grains; Location: PL	=Pore Lining, M=Matrix)		1)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to the Bottom Depth	Aeric Fluvaquents e depth needed to document the indicate Horizon	tor or confirm the absen	Matrix Moist)	(Type: C=Concent	tration, D=Deplet	or (Moist)	CS=Covered/Coated Sand Mottles %	Grains; Location: PL	=Pore Lining, M=Matrix)	(e.g. clay, sand, loam	1)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0	group): tion (Describe to the Bottom Depth 7	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 1	Color (I	Matrix Moist) 4/4 5/3	(Type: C=Concent	Col	or (Moist)	CS=Covered/Coated Sand Mottles %	Type	=Pore Lining, M=Matrix) Location	(e.g. clay, sand, loam silt loam silt loam	1)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0 0 7	group): tion (Describe to the Bottom Depth 7 16	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (In 10 YR 10 YR 10 YR	Matrix Moist) 4/4 5/3 5/2	(Type: C=Concent	Col	or (Moist)	CS=Covered/Coated Sand Mottles % 10	Grains; Location: PL	Pore Lining, M=Matrix) Location M	(e.g. clay, sand, loam silt loam silt loam silty clay loam	1)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0 7	group): tion (Describe to the Bottom Depth 7 7 16	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (In 10 YR 10	Matrix Moist) 4/4 5/3 5/2	% 90 10 10	Col	or (Moist) 5/6	CS=Covered/Coated Sand Mottles % 10	Type C	Pore Lining, M=Matrix) Location M	(e.g. clay, sand, loam silt loam silt loam silty clay loam	1)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7	group): tion (Describe to the Bottom Depth 7 16	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (In 10 YR 10 YR 10 YR	Matrix Moist) 4/4 5/3 5/2	% 90 10 10	Col	or (Moist) 5/6	CS=Covered/Coated Sand Mottles % 10	Grains; Location: PL	Pore Lining, M=Matrix) Location M	(e.g. clay, sand, loam silt loam silt loam silty clay loam	1)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0 7	group): tion (Describe to the Bottom Depth 7 7 16	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (In 10 YR 10	Matrix Moist) 4/4 5/3 5/2	% 90 10 10	Col	or (Moist) 5/6	CS=Covered/Coated Sand Mottles % 10	Type C	Pore Lining, M=Matrix) Location M	(e.g. clay, sand, loam silt loam silt loam silty clay loam	1)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7	group): tion (Describe to the Bottom Depth 7 7 16	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (I	Matrix Moist) 4/4 5/3 5/2	% 90 10 10	Col 10YR	or (Moist) 5/6	CS=Covered/Coated Sand Mottles % 10	Type C	EPore Lining, M=Matrix) Location M	(e.g. clay, sand, loam silt loam silt loam silty clay loam	1)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0 7	group): tion (Describe to the Bottom Depth 7 7 16	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (I	Matrix Moist) 4/4 5/3 5/2	(Type: C=Concent	Col 10YR	or (Moist) 5/6	CS=Covered/Coated Sand Mottles % 10	Grains: Location: PL Type C	EPore Lining, M=Matrix) Location M	(e.g. clay, sand, loam silt loam silt loam silty clay loam	1)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7	group): tion (Describe to the Depth	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (I	Matrix Moist) 4/4 5/3 5/2	(Type: C=Concent	Col 10YR	or (Moist) 5/6	CS=Covered/Coated Sand Mottles % 10	Grains: Location: PL Type C	EPore Lining, M=Matrix) Location M	(e.g. clay, sand, loam silt loam silty clay loam	1)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7 NRCS Hydric S	group): tion (Describe to the Depth	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (10YR 10YR 10YR 10YR 2 if indicators	Matrix Moist) 4/4 5/3 5/2 s are not p	(Type: C=Concent	Col 10YR	or (Moist) 5/6	CS=Covered/Coated Sand Mottles %6 10	Type	Pore Lining, M=Matrix) Location M Indicators for	(e.g. clay, sand, loam silt loam silty clay loam	1)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7 NRCS Hydric S	group): tion (Describe to the Depth Property of the Depth Propert	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (10YR 10YR 10YR 10YR if indicators \$5 - Sandy F	Matrix Moist) 4/4 5/3 5/2 s are not predox	(Type: C=Concent	Col 10YR	or (Moist) 5/6	CS=Covered/Costed Sand Mottles % 10	Grains: Location: PL Type C	Location M	(e.g. clay, sand, loam silt loam silt loam silty clay loam r Problematic Soils ¹	1)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 12 - Histic Epipe	group): tion (Describe to the Depth	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (10YR 10YR 10YR 10YR a if indicators \$5 - Sandy F \$6 - Stripped	Matrix Moist) 4/4 5/3 5/2 s are not predox d Matrix	(Type: C=Concent	Col 10YR	or (Moist) 5/6	CS=Covered/Coated Sand Mottles % 10	Type	Location Location M Indicators for A10 - 2cm N A16 - Coast F	(e.g. clay, sand, loam silt loam silt loam silty clay loam	n)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic	group): tion (Describe to the Depth	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (In 10 yr 10	Matrix Moist) 4/4 5/3 5/2 s are not p Redox d Matrix urface	(Type: C=Concern % 90 10 10 present	Col	or (Moist) 5/6	CS=Covered/Costed Sand Mottles % 10	Type C C	Location M Indicators fo A10 - 2cm N A16 - Coast F19 - Piedmon	(e.g. clay, sand, loam silt loam silt loam silty clay loam	n)
SOILS Map Unit Name: Taxonomy (Subprofile Descrip) Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 - Hydrogen S	group): tion (Describe to the Depth To	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	cor or confirm the absence of the absence of the confirm the absence of the confirmation of	Matrix Moist) 4/4 5/3 5/2 s are not predox	(Type: C=Concern % 90 10 10	Col	or (Moist)	Mottles % 10	Grains; Location: PL Type C	Location M Indicators fo J A10 - 2cm M J A16 - Coast F F19 - Piedmon J TF12 - Very	(e.g. clay, sand, loam silt loam silt loam silty clay loam r Problematic Soils 1 Prairie Redox (MLRA 147, 148) tt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	n)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histic Epipe 3 - Black Histic 4 4 - Hydrogen S 5 - Stratified La	group): tion (Describe to the Depth Property of the Depth Propert	Aeric Fluvaquents e depth needed to document the indicate Horizon 1 2	Color (10YR 10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Stripped \$8 - Polyvalu \$9 - Thin Da	Matrix Moist) 4/4 5/3 5/2 s are not precise as Matrix Ifface Je Below Dark Surface	(Type: C=Concern	Col	or (Moist)	CS=Covered/Coated Sand Mottles % 10	Grains; Location: PL Type C	Location M Indicators fo J A10 - 2cm M J A16 - Coast F F19 - Piedmon J TF12 - Very	(e.g. clay, sand, loam silt loam silt loam silty clay loam	1)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic V4 - Hydrogen S 5 - Stratified L 10 - 2 cm Mucl	group): tion (Describe to the Depth	Aeric Fluvaquents e depth needed to document the indicated Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Stripped \$7 - Dark Su \$8 - Polyvalu. \$9 - Thin Da F2 - Loamy (Matrix Moist) 4/4 5/3 5/2 s are not predox difference are Below Dark Surface Gleyed Matrix	(Type: C=Concern	Col	or (Moist)	Mottles % 10	Grains; Location: PL Type C	Location M Indicators fo J A10 - 2cm M J A16 - Coast F F19 - Piedmon J TF12 - Very	(e.g. clay, sand, loam silt loam silt loam silty clay loam r Problematic Soils 1 Prairie Redox (MLRA 147, 148) tt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	1)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2- Histic Epipe 3 - Black Histic 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Mucl	group): tion (Describe to the Depth	Aeric Fluvaquents e depth needed to document the indicated Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR 10YR a if indicators \$5 - Sandy F \$6 - Strippec \$7 - Dark Su \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F3 - Depleter	Matrix Moist) 4/4 5/3 5/2 s are not p Redox d Matrix urface ue Below D urk Surface Gleved Mat d Matirx	(Type: C=Concern % 90 10 10	Col	or (Moist)	Mottles % 10	Grains; Location: PL Type C	Location M Indicators fo J A10 - 2cm M J A16 - Coast F F19 - Piedmon J TF12 - Very	(e.g. clay, sand, loam silt loam silt loam silty clay loam r Problematic Soils 1 Prairie Redox (MLRA 147, 148) tt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	1)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic V 4 - Hydrogen S 5 - Stratified Le 110 - 2 cm Mucl 111 - Depleted E 112 - Thick Dark	group): tion (Describe to the Depth 7 7 16 16 16 16 16 16 16 16 16 16 16 16 16	Aeric Fluvaquents e depth needed to document the indicated Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 10YR 2 if indicators 55 - Sandy F 56 - Strippec 57 - Dark Su 58 - Polyvalu 59 - Thin Da F2 - Loamy C F3 - Depleted F6 - Redox E	Matrix Moist) 4/4 5/3 5/2 s are not p Redox ark Surface Geleyed Mat d Matrix Dark Surface Dark Surface	(Type: C=Concern	Col	or (Moist)	Mottles % 10	Grains; Location: PL Type C	Location M Indicators fo J A10 - 2cm M J A16 - Coast F F19 - Piedmon J TF12 - Very	(e.g. clay, sand, loam silt loam silt loam silty clay loam r Problematic Soils 1 Prairie Redox (MLRA 147, 148) tt Floodplain Soils (MLRA 136, 147) Shallow Dark Surface	n)
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 4 - Hydrogen S 5 - Stratified Le 10 - 2 cm Mucl 11 - Depleted E 12 - Thick Dark 11 - Sandy Mucl	group): tion (Describe to the Depth Property of the Depth Propert	Aeric Fluvaquents e depth needed to document the indicated Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Strippec \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Depleter	Matrix Moist) 4/4 5/3 5/2 s are not p Redox d Matrix rface gleved Mat d Matrix Dark Surface d Dark Surface	(Type: C=Concern	Col	or (Moist)	CS=Covered/Costed Sand Mottles % 10	Grains: Location: PL Type C	Location M Indicators fo A10 - 2cm N A16 - Coast F F19 - Piedmon TF12 - Very Other (Expla	(e.g. clay, sand, loam silt loam silt loam silty clay loam r Problematic Soils 1 Prairie Redox (MLRA 147, 148) t Floodplain Soils (MLRA 136, 147) Shallow Dark Surface ain in Remarks)	
SOILS Map Unit Name: Taxonomy (Sub: Profile Descrip Top Depth 0 7 NRCS Hydric \$ 1- Histosol 2 - Histic Epipe 3 - Black Histic 4 + Hydrogen \$ 5 - Stratified Le 10 - 2 cm Mucl 11 - Depleted E 12 - Thick Dark 1 - Sandy Mucl 4 - Sandy Gley	group): tion (Describe to the Depth Property of Technology of Technolog	Aeric Fluvaquents e depth needed to document the indicated Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR 10YR 2 if indicators 55 - Sandy F 56 - Strippec 57 - Dark Su 58 - Polyvalu 59 - Thin Da F2 - Loamy C F3 - Depleted F6 - Redox E	Matrix Moist) 4/4 5/3 5/2 s are not p Redox urface ge Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern	Col	or (Moist)	Mottles % 10 1 n-Manganese Mabric Surface (MLR dmont Floodplain d Parent Materia	Type Type C C SSESS (LRR N, N A 122, 136) IN SOIlS (MLRA 127, 147) It (MLRA 127, 147)	Location	(e.g. clay, sand, loam silt loam silt loam silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic ✓ 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Mucl 11 - Depleted B 12 - Thick Darl 11 - Sandy Mucl 4 - Sandy Gley Restrictive Layer	group): tion (Describe to the Depth Property of the Depth Propert	Aeric Fluvaquents e depth needed to document the indicated Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Strippec \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Depleter	Matrix Moist) 4/4 5/3 5/2 s are not p Redox d Matrix rface gleved Mat d Matrix Dark Surface d Dark Surface	(Type: C=Concern	Col	or (Moist)	CS=Covered/Costed Sand Mottles % 10	Type Type C C SSESS (LRR N, N A 122, 136) IN SOIlS (MLRA 127, 147) It (MLRA 127, 147)	Location	(e.g. clay, sand, loam silt loam silt loam silty clay loam r Problematic Soils 1 Prairie Redox (MLRA 147, 148) t Floodplain Soils (MLRA 136, 147) Shallow Dark Surface ain in Remarks)	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic V4 - Hydrogen S 5 - Stratified L 10 - 2 cm Mucl 11 - Depleted E 11 - Thick Darl 11 - Sandy Mucl 4 - Sandy Gley Restrictive Layer (If Observed)	group): tion (Describe to the Depth Property of Technology of Technolog	Aeric Fluvaquents e depth needed to document the indicated Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Strippec \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Depleter	Matrix Moist) 4/4 5/3 5/2 s are not p Redox urface ge Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern	Col	or (Moist)	Mottles % 10 1 n-Manganese Mabric Surface (MLR dmont Floodplain d Parent Materia	Type Type C C SSESS (LRR N, N A 122, 136) IN SOIlS (MLRA 127, 147) It (MLRA 127, 147)	Location	(e.g. clay, sand, loam silt loam silt loam silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic ✓ 4 - Hydrogen S 5 - Stratified La 10 - 2 cm Mucl 11 - Depleted B 12 - Thick Darl 11 - Sandy Mucl 4 - Sandy Gley Restrictive Layer	group): tion (Describe to the Depth Property of Technology of Technolog	Aeric Fluvaquents e depth needed to document the indicated Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Strippec \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Depleter	Matrix Moist) 4/4 5/3 5/2 s are not p Redox urface ge Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern	Col	or (Moist)	Mottles % 10 1 n-Manganese Mabric Surface (MLR dmont Floodplain d Parent Materia	Type Type C C SSESS (LRR N, N A 122, 136) IN SOIlS (MLRA 127, 147) It (MLRA 127, 147)	Location	(e.g. clay, sand, loam silt loam silt loam silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic V4 - Hydrogen S 5 - Stratified L 10 - 2 cm Mucl 11 - Depleted E 11 - Thick Darl 11 - Sandy Mucl 4 - Sandy Gley Restrictive Layer (If Observed)	group): tion (Describe to the Depth Property of Technology of Technolog	Aeric Fluvaquents e depth needed to document the indicated Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Strippec \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Depleter	Matrix Moist) 4/4 5/3 5/2 s are not p Redox urface ge Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern	Col	or (Moist)	Mottles % 10 1 n-Manganese Mabric Surface (MLR dmont Floodplain d Parent Materia	Type Type C C SSESS (LRR N, N A 122, 136) IN SOIlS (MLRA 127, 147) It (MLRA 127, 147)	Location	(e.g. clay, sand, loam silt loam silt loam silty clay loam	
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 7 NRCS Hydric S 1- Histosol 2 - Histic Epipe 3 - Black Histic V4 - Hydrogen S 5 - Stratified L 10 - 2 cm Mucl 11 - Depleted E 11 - Thick Darl 11 - Sandy Mucl 4 - Sandy Gley Restrictive Layer (If Observed)	group): tion (Describe to the Depth Property of Technology of Technolog	Aeric Fluvaquents e depth needed to document the indicated Horizon 1 2 dicators (check here	Color (10YR 10YR 10YR 10YR 10YR if indicators \$5 - Sandy F \$6 - Strippec \$8 - Polyvalu \$9 - Thin Da F2 - Loamy (F6 - Redox E F7 - Depleter	Matrix Moist) 4/4 5/3 5/2 s are not p Redox urface ge Below Dark Surface Gleyed Mat d Matrix Dark Surface d Dark Surface d Dark Surface	(Type: C=Concern	Col	or (Moist)	Mottles % 10 1 n-Manganese Mabric Surface (MLR dmont Floodplain d Parent Materia	Type Type C C SSESS (LRR N, N A 122, 136) IN SOIlS (MLRA 127, 147) It (MLRA 127, 147)	Location	(e.g. clay, sand, loam silt loam silt loam silty clay loam	



Project/Site:	Ware Road -Seaman 138 kV Transmission Line Pr	roject			Wetland ID: Non JD Sample Point SP 30
VEGETATION	(Species identified in all uppercase are non-native	species.)			
Tree Stratum (Plot	size: 30 ft radius)				
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.					· · · · · · · · · · · · · · · · · · ·
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.					(-)
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					(VD)
8.					Prevalence Index Worksheet
9.					
					Total % Cover of: Multiply by:
10.	Total Occurs				OBL spp. 0 x 1 = 0
	Total Cover =	= 0			FACW spp. 0
					FAC spp. 0 x 3 = 0
	tum (Plot size: 15 ft radius)				FACU spp. 3 X 4 = 12
1.					UPL spp
2.					
3.					Total <u>53</u> (A) <u>262</u> (B)
4.					
5.					Prevalence Index = B/A = .9
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes ☐ ☑ No Rapid Test for Hydrophytic Vegetation
10.					Yes □ ☑ No Dominance Test is > 50%
	Total Cover =	= 0			Yes □ ☑ No Prevalence Index is ≤ 3.0 *
					Yes □ □ No Morphological Adaptations (Explain) *
Herb Stratum (Plot	size: 5 ft radius)				Yes □ □ No Problem Hydrophytic Vegetation (Explain) *
1.	Zea mays	40	Υ	UPL	1 100 1 100 1 100 1 1 1 1 1 1 1 1 1 1 1
2.	Lepidium campestre	10	N	UPL	* Indicators of hydric soil and wetland hydrology must be
3.	Schedonorus arundinaceus	3	N	FACU	present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					Definitions of Vegetation Strata.
6					Troe
					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.					noight (2217), rogaraices of holyna
8.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
9.					tall.
10.					
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					and record planto 1000 than 0.20 th tall
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	= 53			
Woody Vine Stratu	m (Plot size: 30 ft radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☐ Yes ☑ No
4.					
5.					
<u> </u>	Total Cover =				
Remarks:	Exisitng agricultural field	- 0			
i tomanto.	Existing agricultural field				
Additional Rem	arks:				

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

5/5/2017 1:50:11 PM

in

Case No(s). 17-0813-EL-BLN

Summary: Letter of Notification electronically filed by Mr. Hector Garcia on behalf of AEP Ohio Transmission Company