WETLAND DETER	MINATION DATA FORM - East	ern Mountains and Piedmont Region
Project/Site: Vigo -	Pinz Ridge City/County:	Sac San Con Sampling Date: 3/11/11
Applicant/Owner:	AEA	State: 84 Sampling Point: W55-PE
Investigator(s): BTM/	ILL D	ship, Range: not dividel by PLSS
r)		eve, convex, none): Concount Slope (%): O
Landform (hillslope, terrace, etc.):	V Lat: 39, 147078	Long: -82.777.663 Datum: MA-1283
Subregion (LRR or MLRA):	and the second second second second second second second second	
Soil Map Unit Name: Om . Iga		
Are climatic / hydrologic conditions on the s		_ No (If no, explain in Remarks.)
1/ 1/	drology significantly disturbed?	Are "Normal Circumstances" present? Yes 🗶 No
re Vegetation, Soil, or Hyd	trology naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Atta	ch site map showing sampling	point locations, transects, important features, etc.
Hydric Soil Present?	Yes No within	Sampled Area a Wetland? Yes No
D		
6 aba A +	Incodel on a f	rep. to WOSO-PEM-CAT MOZ
sample yound	located , VI & TI	conficient ochtey Jertoning
elocition Double	Fr - PEN	~ 1 \NOGO -000 - 0
CIECATICADO an	serves as the	IGI- TO MODO - PENFORT MOL
IYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ	uired; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	✓ Drainage Patterns (B10)
Saturation (A3)	-XOxidized Rhizospheres on Livi	ng Roots (C3) Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduced Iron (C4	Dry-Season Water Table (C2)
_ Sediment Deposits (B2)	Recent Iron Reduction in Tilled	(Barting of the Control of the Cont
_ Drift Deposits (B3)	Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5) Inundation Visible on Aerial Imagery (I	97)	Geomorphic Position (D2)
Water-Stained Leaves (B9)		Shallow Aquitard (D3) Microtopographic Relief (D4)
Aquatic Fauna (B13)	4	FAC-Neutral Test (D5)
ield Observations:		252 ***********************************
Surface Water Present? Yes	No X Depth (inches):	
Vater Table Present? Yes	No Depth (Inches):	
Saturation Present? Yes	No Depth (inches):	Wetland Hydrology Present? Yes No
includes capillary fringe)	nonitoring well, aerial photos, previous insp	
WA Data (stream gauge, in	formoring well, denal pricus, previous insp	Sections), it available.
Remarks:		
20 000	77 17-	
meets C3, BIC	, DZ + DS	
1100		
		311
		11.

VEGETATION (Four Strata) – Use scientific				Sampling Point: NOSD-P
Tree Stratum (Plot size: 30R)	% Cover	Dominant Species?	Status	
1				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3			_	Total Number of Dominant Species Across All Strate: (B)
1. Note Observed				
5:				Percent of Dominant Species That Are OBL, FACW, or FAC: 106 (A/B)
6 7		-		Prevalence Index worksheet:
·		Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:				OBL species x1 =
Sapling/Shrub Stratum (Plot size: 1515)	-		ra.	FACW species x2=
1. Cornus recembra		75	FAC	FAC species x3 =
2			_	UPL speciesx5=
4				Column Totals: (A) (B)
5				
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
8				2 - Dominance Test is >50%
	5 -	2000	_	3 - Prevalence Index is ≤3.01
60% of total cover:		Total Cover		4 - Morphological Adaptations¹ (Provide supporting
Herb Stratum, (Plot size: 5.1/8-)				data in Remarks or on a separate sheet)
. Pholoris animimorcia	90	700	FALW	Problematic Hydrophytic Vegetation¹ (Explain)
Junus etfus us	16	no	FAW	10
Untice diasia	5_	No	FAW	¹ Indicators of hydric soll and wetland hydrology must be present, unless disturbed or problematic.
Consex Grayii	2	NO	FALL	Definitions of Four Vegetation Strata:
Hosecuria Pennsylvanica		NO	FALW	
			-	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
				height.
				Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
0				m) tall.
1	LA			Herb - All herbaceous (non-woody) plants, regardless
50% of total cover: 54.	109 =	Total Cove	2. 2	of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 301/2)	20% of th	otal cover_	21,0	Woody vine - All woody vines greater than 3.28 ft in height.
		_		V 100
None Observed			-	
7			_	
				Hydrophytic Vegetation
The state of the s		Total Cove		Present? Yes No
50% of total cover:	20% of to	tal cover:_		
emarks: (include photo numbers here or on a separate s	sheet.)			
Hidaga His some		d		
Hydrophytic vegetatic	n is	Clan	nikar	
9				

SOIL		Sampling Point: WOS
Profile Description: (Describe to the	depth needed to document the indicator or confir	m the absence of indicators.)
Depth Matrix	Redox Features	A CANADA A CAMADA MA
(inches) Color (moist) %		Texture Remarks
0-3 COYRS/1 2	O 10799/2 Ze DM	Sich.
	LOXRAKI IC CIN	
3-16 10 KR4/2 8	0 573/3 ZC CM	5.cL
Type: CaConcentration Deflectation 6	RM=Reduced Matrix, MS=Masked Sand Grains.	**************************************
Hydric Soil Indicators:	CM-Reduced Matrix, MS-Masked Sand Grains.	*Location: PL=Pore Lining, M=Metrix.
Histosol (A1)	Dark Surface (S7)	Indicators for Problematic Hydric Soils ³ :
Histic Epipedon (A2)	Polyvalue Below Surface (S8) (MLRA 147	2 cm Muck (A10) (MLRA 147)
Black Histic (A3)	Thin Dark Surface (S9) (MLRA 147, 148)	(, 148) Coast Prairie Redox (A16) (MLRA 147, 148)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19)
Stratified Layers (A5)	Depleted Matrix (F3)	(MLRA 136, 147)
2 cm Muck (A10) (LRR N)	Redox Dark Surface (F6)	Very Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	Other (Explain in Remarks)
Thick Dark Surface (A12)	Redox Depressions (F8)	
Sandy Mucky Mineral (S1) (LRR N,	Iron-Manganese Masses (F12) (LRR N,	40 30
MLRA 147, 148)	MLRA 136)	
Sandy Gleyed Matrix (S4)	Umbric Surface (F13) (MLRA 136, 122)	3Indicators of hydrophytic vegetation and
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 14	48) wetland hydrology must be present,
Stripped Matrix (S6)	Red Parent Material (F21) (MLRA 127, 14	7) unless disturbed or problematic.
Restrictive Layer (if observed):		
Type:		
Depth (inches):		Hydric Soil Present? Yes No
Remarks:		
MARIE TO TO	would noutre	
Meets F3- Del	letal Matrix	

	DRM - Eastern Mountains and Piedmont Region
Project/Site: Vigo - Pinc 2 dge	City/County: Duckson Co Sampling Date: 8/11/
Applicant/Owner: AEP	State: OH Sampling Point: WOSO-V
Investigator(s): BJM/NGP	Section, Township, Range: Not div. 1. 1 by PLS>
1/11	cal relief (concave, convex, none): Lon Cave Slope (%):
	12088 Long: -87.727586 Datum: MADE
//	-6-10 Slope S NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of ye	
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrologynaturally pro	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Sumple point located " Utility + serves as a	PSS rep to MOSO-PSS-CATMODZ
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Pk	
High Water Table (A2) Hydrogen Sulfid	
	pheres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Rec	
	duction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surfa	
Algal Mat or Crust (B4) Other (Explain in	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (87)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)
Fleid Observations:	FAC-Neutral Test (D5)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos	, previous inspections), if available:
Remarks:	
100.10 03 PID >-	
Meets C3, B10, D2 4.D5	*

Number of Dominant Species Number of Domi	GETATION (Four Strata) – Use scientific	Absolute	Dominant	Indicator	Dominance Test work	ceheet		
Total Number of Dominant Species Across All Strate: Percent of Dominant Species Across All Strate: Description	ree Stratum (Plot size:				Number of Dominant S	pecies	2	(A)
Species Across All Stratus: Percent of Total Cover							~	. (
That Are OBL, FACW, or FAC: Total Cover							- 2	(B
Prevalence Index worksheet: Total Cover 50% of total cover: 20% of total cover: 20% of total cover: 20% of total cover: 50% of to	None observe						108	(A
Total Cover of Multicly by: Solve of total cover:								_
Solve of total cover: Solve Solve					6.0000000000000000000000000000000000000	To a formation	Multiply by	
### FACW species X 2 = FACW species X 3 = FACW species X 3 = FACW species X 4 = UPL species X 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% of total cover. 20% of tota	EON of total payment							
FAC species		20% 01	total cover.	_		100		
FACU species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0' 4 - Morphological Adaptations' (Provide support data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation (Explain) 'Indicators of hydric soll and wetland hydrology muse be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree - Woody plants, excluding vines, 3 in. (7.6 cm, more in diameter at breast height (DBH), regardless height. Sapiling/Shrub - Woody plants, excluding vines, as in. (7.6 cm, more in diameter at breast height (DBH), regardless in in. DBH and greater than or equal to 3.28 ft tight. Woody vine - All woody vines greater than 3.28 ft in height. Herb - All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft in height. Hydrophytic Vegetation Vegetation Present? Yes No_		35	405	FAI				
UPL species x5 = Column Totals: (A)			1	1.10				_
Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is \$3.0^1 4 - Morphological Adaptations (Provide support data in Remarks or on a separate sheet) Phactacts Curvathiance (OC) 4-5 Facta Problematic Hydrophytic Vegetation (Explain) Problematic Hydrophytic Vegetation (Explain) Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree — Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapiling/Shrub — Woody plants, excluding vines, let than 3 in. DBH and greater than or equal to 3.28 ft than 3 in. DBH and greater than or equal to 3.28 ft to 1. Woody vine - All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft to 1. Woody vine - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes No							1	_
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Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardless height. Sapling/Shrub – Woody plants, excluding vines, le than 3 in. DBH and greater than or equal to 3.28 ft (m) tall. Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes No	b Stratum (Plot size: 5 K)	3 20% of	total cover:_	7.6	4 - Morphological A data in Remarks Problematic Hydrop 1Indicators of hydric soll	Adaptations ¹ s or on a seponytic Veget	parate sheet) tation ¹ (Expla	in)
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Absect Observed Hydrophytic Vegetation Present? Yes No	Phalests armhinace	20% of 2 (00)	total cover:	FACE	4 - Morphological A data in Remarks Problematic Hydrop Indicators of hydric soll be present, unless disturbed present d	adaptations of a separation of	parate sheet) tation¹ (Explaid d hydrology oblematic. rata: es, 3 in. (7.6 DBH), regard cluding vines equal to 3.28	om est
Hydrophytic Vegetation Present? Yes No	Phalastes Contributed	20% of 2 (00)	total cover:	FACE	4 - Morphological A data in Remarks Problematic Hydrop Indicators of hydric soll be present, unless distu Definitions of Four Vertical Control of State of	adaptations a seponytic Veget and wetlen inted or proi getation State and the seponytic vegetation and the separation and the seponytic vegetation and the seponytic vegetation and the seponytic vegetation and the seponytic vegetation and the separation and the s	parate sheet) tation¹ (Explaid d hydrology oblematic. rata: es, 3 in. (7.6 DBH), regard cluding vines equal to 3.28) plants, rega 3.28 ft tall.	in) nus
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= Total Cover Vegetation Present? Yes No	Stratum (Plot size: 3 %) Phales (+5 Conventions car 50% of total cover: 5 ody Vine Stratum (Plot size: 36 %)	20% of 2 (00)	total cover:	FACE	4 - Morphological A data in Remarks Problematic Hydrop Indicators of hydric soll be present, unless distu Definitions of Four Vertical Control of State of	adaptations a seponytic Veget and wetlen inted or proi getation State and the seponytic vegetation and the separation and the seponytic vegetation and the seponytic vegetation and the seponytic vegetation and the seponytic vegetation and the separation and the s	parate sheet) tation¹ (Explaid d hydrology oblematic. rata: es, 3 in. (7.6 DBH), regard cluding vines equal to 3.28) plants, rega 3.28 ft tall.	in) nus cm ess ft (
= Total Cover Present? Yes 1 No	Stratum (Plot size: 3 %) Phales (+5 Conventions car 50% of total cover: 5 ody Vine Stratum (Plot size: 36 %)	20% of 2 (00)	total cover:	FACE	4 - Morphological A data in Remarks Problematic Hydrop Indicators of hydric soll be present, unless distu Definitions of Four Vertical Control of State of	adaptations a seponytic Veget and wetlen inted or proi getation State and the seponytic vegetation and the separation and the seponytic vegetation and the seponytic vegetation and the seponytic vegetation and the seponytic vegetation and the separation and the s	parate sheet) tation¹ (Explaid d hydrology oblematic. rata: es, 3 in. (7.6 DBH), regard cluding vines equal to 3.28) plants, rega 3.28 ft tall.	in) nue cm ess ft (
Total Gover	Stratum (Plot size: 3 %) Phales (+5 Conventions car 50% of total cover: 5 ody Vine Stratum (Plot size: 36 %)	20% of 2 (00)	total cover:	FACE	4 - Morphological A data in Remarks Problematic Hydrop ¹Indicators of hydric soll be present, unless distu Definitions of Four Very Tree – Woody plants, exmore in diameter at breacheight. Sapling/Shrub – Woodsthan 3 in. DBH and gream) tall. Herb – All herbaceous (of size, and woody plants) Woody vine – All woodsheight.	adaptations a seponytic Veget and wetlen inted or proi getation State and the seponytic vegetation and the separation and the seponytic vegetation and the seponytic vegetation and the seponytic vegetation and the seponytic vegetation and the separation and the s	parate sheet) tation¹ (Explaid d hydrology oblematic. rata: es, 3 in. (7.6 DBH), regard cluding vines equal to 3.28) plants, rega 3.28 ft tall.	in) nue cm ess ft (
	Stratum (Plot size: 3 %) Phales (+5 Conventions car 50% of total cover: 5 ody Vine Stratum (Plot size: 36 %)	20% of to 20% of 20% of to	Total Cover	70 	4 - Morphological A data in Remarks Problematic Hydrop Indicators of hydric soll be present, unless distu Definitions of Four Ver Tree – Woody plants, et more in diameter at brea height. Sapling/Shrub – Wood than 3 in. DBH and grea m) tall. Herb – All herbaceous (of size, and woody plant Woody vine – All woody height. Hydrophytic Vegetation	adaptations ¹ s or on a seponytic Veget and wetten and wetten and wetten arbed or prof getation St excluding vin ast height (I y plants, ex- ater than or or ater than or y vines grea	parate sheet) tation ¹ (Explain d hydrology oblematic. rata: es, 3 in. (7.6 DBH), regard cluding vines equal to 3.28) plants, rega 3.28 ft tall. eter than 3.28	in) nus cm; ess les ft (

Depth (inches)						or confirm	the absence	or indica	tors.)	
- 4	Color (moist)	%	Color (moist)	x Features	Type	Loc2	Tandoma		D	
0-2	10 xx 5/1	80	104R 4/2	20	Type	LOG	SiL-	-	Remarks	
		00	THE THE	200	1	10 60		_		
E-16	10 KK 4/1	70	SWE WIS	30		MA	- 57 E C			
								_		
-				_				-		
- 3				_						
-										
ype: C=Con	centration, D=Deplet	ion, RM=F	Reduced Matrix, MS	=Masked	Sand Gra	ins.	² Location: PL	=Pore Lin	ilng, M=Matrix.	
ydric Soil In							Indicat	tors for P	roblematic Hy	dric Solls ³ :
_ Histosol (A			Dark Surface						(A10) (MLRA 1	
Histic Epip Black Histi	pedon (A2)		Polyvalue Bel						e Redox (A16)	
	Sulfide (A4)		Thin Dark Sur			47, 148)		(MLRA 1		47.4
	ayers (A5)		X Depleted Mate		~)			MLRA 1	codplain Soils	(F19)
	(A10) (LRR N)		Redox Dark S)				w Dark Surface	(TF12)
	Below Dark Surface (A	A11)	Depleted Dark						ain in Remarks)	
	Surface (A12)		Redox Depres					` '	,	
_ Sandy Mud	cky Mineral (S1) (LRI	₹ N,	Iron-Mangane		(F12) (L	RR N,				
	47, 148)		MLRA 136							
_ Sandy Greg	yed Matrix (S4)		Umbric Surfac				³ Indic	ators of h	ydrophytic veg	etation and
_ Stripped M			Piedmont Floor Red Parent Ma						ology must be p	
		_		ateriai (i 2) (INCINA	127, 147)	unie	ss disturb	ed or problema	atic.
estrictive Lay	er (if observed):									
Type:	yer (if observed):									
Туре:			- 1				Hydde Sail B	meant?	V X	N-
Type: Depth (inche							Hydric Soil P	resent?	Yes X	No
Туре:			•				Hydric Soil P	resent?	Yes X	No
Type: Depth (inche	es):	a a a	al marts				Hydric Soil P	resent?	Yes X	No
Type: Depth (inche		eplet	al Moutry	ı			Hydric Soil P	resent?	Yes X	No
Type: Depth (inche	s): S F3-D	eplet	al Moetry	t			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	es):	eplet	al mounty	t			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	al Mouthy	ı			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	al Moetry	ı			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	el mourry	L			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	al mourry	t			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	al mounty	ı			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	el Moetry	ı			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	el mourry	ı			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	el matry	L			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	ed mourry				Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	el Moetry	ı			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	el Matry	t			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	el matry	L			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	el mourry	L			Hydric Soil P	resent?	Yes	No
Type: Depth (inche	s): S F3-D	eplet	ed mourry				Hydric Soil P	resent?	Yes	No
Type: Depth (inche marks:	s): S F3-D	eplet	ed moutry				Hydric Soil P	resent?	Yes	No

Project/Site: Vuno-Pint Zidae	City/County: Jackson Co sampling Date: 9/3/17
1/2	SACYSON TIME DE
Applicant/Owner:	State: Sampling Point 100% AV
Investigator(s): BJM / NFF	Section, Township, Range: 1107 divide by 1285
	ocal relief (concave, convex, none):
Subregion (LRR or MLRA): Lat: 77. MI3	193 Long: -87.7775 5902 Datum: WAD 63
Soil Map Unit Name: Opulga Silt Loam. 0-	- Z - 6 Slops S NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of you	
Are Vegetation, Soll, or Hydrology N significantly	
Are Vegetation, Soil, or Hydrology naturally pr	이 그리다 가게 되는 그리고 있다면 하고 있다면 하지 않는데 하지 않는데 하지만 하지 않는데 모든데 모든데
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	
Hydric Soil Present? Yes X No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	WIDHING WEDSILOT
Remarks: Sample point locatel in a flo WOSI-PFO-CATZ	polphin thicket tecrnis as PFO
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soll Cracks (B6)
Surface Water (A1) True Aquatic P	Plants (B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfi	de Odor (C1) Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizo	ospheres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Re	educed iron (C4) Dry-Season Water Table (C2)
	eduction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surf	(A.) 경기에서 가게 되었다.
Algal Mat or Crust (B4) Other (Explain	
Iron Deposits (B5)	Ceomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Rellef (D4)
	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X _ Depth (Inches)	
Water Table Present? Yes No Depth (inches)	
Saturation Present? Yes No X Depth (inches)	: Wetland Hydrology Present? Yes No
Describe Recorded Data (atream gauge, monitoring well, aerial photo	s, previous inspections), if available:
Remarks:	
MODES B9 DD & D5	
111010	
	ž
	Υ.

Absolute Dominant Indicator % Cover Species? Status 16 # 5 FACE	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
10 YES FAC	Total Number of Dominant
15 Jes PAGN	Species Across All Strata: (B)
	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
	Prevalence Index worksheet:
35 = Total Cover	Total % Cover of: Multiply by:
20% of total cover:	OBL species x 1 = FACW species x 2 =
on us Gr	FAC species x3 =
10 Tue 201	FACU species x4 =
10 723 110	UPL species x 5 =
	Column Totals: (A) (B)
	Column Totals (A) (B)
	Prevalence Index = B/A =
	Hydrophytic Vegetation Indicators:
	Rapid Test for Hydrophytic Vegetation
	2 - Dominance Test is >50%
BO = Total Cover	3 - Prevalence Index is ≤3.0.
20% of total cover:	4 - Morphological Adaptations¹ (Provide supporting
	data in Remarks or on a separate sheet)
20 yes PAC	Problematic Hydrophytic Vegetation¹ (Explain)
DO GAS PANN	
	¹ Indicators of hydric soil and wetland hydrology must
	be present, unless disturbed or problematic.
15 YES FALO	Definitions of Four Vegetation Strata:
TOLL A TAKEN	
9	Tree - Woody plants, excluding vines, 3 in, (7.6 cm) or
	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less
	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less
	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless
75 = Total Cover 16	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless
75 = Total Cover 16	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
75 = Total Cover 16	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
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75 = Total Cover 16	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
75 = Total Cover 16	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
֡֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	35 = Total Cover 20% of total cover: 20

OIL								oint: MOSI
rofile Description: (Describe to the d				or confirm	n the absence	of Indicate	ors.)	
Depth Matrix (Inches) Color (moist) %	Color (molst)	x Feature %	Type	Loc²	Texture		Remarks	
- la collection com	Color (Moist)		1406		SiL		Tomains	
100	10444/4	16	7	M	Sal	-		1- 3
6-12 1041511 80	1010114	19	5		200		_	
	1041-9/1	5	1	M				
			-					
		_	-	-		,		
			-					
			_					
Type: C=Concentration, D=Depletion, RI	M=Reduced Matrix, M	S=Masked	Sand Gr	ains.	*Location: PL	=Pore Lini	ng, M=Matrix.	The second
lydric Soil Indicators:		70					oblematic Hy	dric Soils ³ ;
Histosol (A1)	Dark Surface						410) (MLRA 1	47)
_ Histic Epipedon (A2)	Polyvalue Be				148) C		Redox (A16)	
Black Histic (A3) Hydrogen Sulfide (A4)	Thin Dark Su Loamy Gleye			147, 148)	Di	(MLRA 14	7, 148) adplain Soils	(E10)
Stratified Layers (A5)	Depleted Ma		(-2)			(MLRA 13		(F19)
2 cm Muck (A10) (LRR N)	Redox Dark		6)				Dark Surface	(TF12)
Depleted Below Dark Surface (A11)	Depleted Dar	k Surface	(F7)				n in Remarks	
_ pebiorog polosi palit palitico (1111)								
_ Thick Dark Surface (A12)	Redox Depre							
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N,	Redox Depre	ese Mass		LRR N,				
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)	Redox Depre Iron-Mangan	ese Massi 6)	es (F12) (I		3141			Ton to a
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4)	Redox Depre Iron-Mangan MLRA 13 Umbric Surfa	ese Massi 6) ce (F13) (es (F12) (I	6, 122)			drophytic veg	
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5)	Redox Depre Iron-Mangan MLRA 13 Umbric Surfa Piedmont Flo	ese Massi 6) ce (F13) (odplain S	es (F12) (i MLRA 13 oils (F19)	6, 122) (MLRA 14	8) wet	land hydrol	ogy must be p	resent,
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6)	Redox Depre Iron-Mangan MLRA 13 Umbric Surfa	ese Massi 6) ce (F13) (odplain S	es (F12) (i MLRA 13 oils (F19)	6, 122) (MLRA 14	8) wet	land hydrol		resent,
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5)	Redox Depre Iron-Mangan MLRA 13 Umbric Surfa Piedmont Flo	ese Massi 6) ce (F13) (odplain S	es (F12) (i MLRA 13 oils (F19)	6, 122) (MLRA 14	8) wet	land hydrol	ogy must be p	resent,
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed):	Redox Depre Iron-Mangan MLRA 13 Umbric Surfa Piedmont Flo	ese Massi 6) ce (F13) (odplain S	es (F12) (i MLRA 13 oils (F19)	6, 122) (MLRA 14	8) wet	land hydrol ess disturb	ogy must be ped or problema	resent,
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Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches):	Redox Depre	ese Massi 6) ce (F13) (odplain Si flaterial (F	es (F12) (i MLRA 13 oils (F19) 21) (MLR	6, 122) (MLRA 14 A 127, 147	8) wet	land hydrol ess disturb	ogy must be ped or problema	résent, atic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches):	Redox Depre	ese Massi 6) ce (F13) (odplain Si flaterial (F	es (F12) (i MLRA 13 oils (F19) 21) (MLR	6, 122) (MLRA 14 A 127, 147	8) wet	land hydrol ess disturb	ogy must be ped or problema	résent, atic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches):	Redox Depre	ese Massi 6) ce (F13) (odplain Si flaterial (F	es (F12) (i MLRA 13 oils (F19) 21) (MLR	6, 122) (MLRA 14 A 127, 147	8) wet	land hydrol ess disturb	ogy must be ped or problema	résent, atic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches):	Redox Depre	ese Massi 6) ce (F13) (odplain Si flaterial (F	es (F12) (i MLRA 13 oils (F19) 21) (MLR	6, 122) (MLRA 14 A 127, 147	8) wet	land hydrol ess disturb	ogy must be ped or problema	résent, atic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches):	Redox Depre	ese Massi 6) ce (F13) (odplain Si flaterial (F	es (F12) (i MLRA 13 oils (F19) 21) (MLR	6, 122) (MLRA 14 A 127, 147	8) wet	land hydrol ess disturb	ogy must be ped or problema	résent, atic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches):	Redox Depre	ese Massi 6) ce (F13) (odplain Si flaterial (F	es (F12) (i MLRA 13 oils (F19) 21) (MLR	6, 122) (MLRA 14 A 127, 147	8) wet	land hydrol ess disturb	ogy must be ped or problema	résent, atic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches):	Redox Depre	ese Massi 6) ce (F13) (odplain Si flaterial (F	es (F12) (i MLRA 13 oils (F19) 21) (MLR	6, 122) (MLRA 14 A 127, 147	8) wet	land hydrol ess disturb	ogy must be ped or problema	résent, atic.

		_	ON DATA FO		_				
Project/Site:	190 -	Pine	-dag	City/County:	Sackso	n w	~		te: 8/3/1/
Applicant/Owner:	AS.P			2	acres	_ State:	UT	Sampling	Point: W052-F
Investigator(s):	tom /	NO-P		Section, Towns	ship, Range:	not	8 wide	l by	165
Landform (hillslope, terrace	e; etc.):	Colley	Loc	cal relief (conca	ve, convex, no	one):	oncu.	7	Slope (%): 2
Subregion (LRR or MLRA)	. 1	W Lat	39.4406		Long: _=			3 D	atum: WADA
	m ulaa			10 510p	61	NW	'I classifica	1.9	1211
Are climatic / hydrologic co	0								0
Are Vegetation, So	1	4/	significantly					esent? Yes	No
	11	1							
Are Vegetation, So			naturally pro			-		in Remarks	
SUMMARY OF FINE	DINGS - A	ttach site m	ap showing	sampling p	oint location	ons, tra	nsects,	importan	t featu res , etc.
Hydrophytic Vegetation P Hydric Soil Present? Wetland Hydrology Prese Remarks:	int lu	Yes X Yes X Yes X	NoNo		ampled Area Wetland?	Ye ZerreS	95 <u>></u>	. No	<u></u>
HYDROLOGY	52-P	EM-CA	72						
Wetland Hydrology Indi	estors:					Seconda	ary Indicato	rs (minimun	of two required)
Primary Indicators (minim	um of one is	required: checi	(all that apply)			Surf	face Soll C	racks (B6)	
Surface Water (A1)		_	True Aquatic Pl	ants (B14)		Spa	rsely Vege	tated Conca	ye Surface (B8)
High Water Table (A2	2)		Hydrogen Sulfid	le Odor (C1)		Drai	inage Patte	ms (B10)	
X Saturation (A3)			Oxidized Rhizos		ng Roots (96)	Mos	s Trim Line	es (B16)	
Water Marks (B1)			Presence of Re	-		Dry-	-Season W	ater Table (C2)
Sediment Deposits (E	32)	_	Recent Iron Rec	duction in Tilled	Soils (C6)	∠ Cray	yfish Burro	ws (C8)	
Orlft Deposits (B3)	,		Thin Muck Surfa			Satu	uration Visi	ble on Aeria	Imagery (C9)
Algal Mat or Crust (B	4)		Other (Explain I		,	Stur	nted or Stre	ssed Plants	(D1)
Iron Deposits (B5)	•	_		•		Geo	morphic P	osition (D2)	
Inundation Visible on	Aerial Image	rv (B7)				Sha	llow Aquita	rd (D3)	- 0
Water-Stained Leave	_	, (= ')				_	•	hic Relief (D	4)
Aquatic Fauna (B13)	- ()					FAC	-Neutral T	est (D5)	
Field Observations:					•*				
Surface Water Present?	Yes		Depth (inches):						
Water Table Present?	Yes	No	Depth (Inches):					X	
Saturation Present? (includes capillary fringe)	Yes _	✓ No	Depth (inches):		Wetland H	Hydrology	y Present?	Yes	No
Describe Recorded Data (stream gaug	e, monitoring w	ell, aerial photos	s, previous insp	ections), if ava	silable:			•
Romarke:	, A3	CE CH	75						

Tree Stratum (Plot size: 301)	Absolute		
rice Stratum (Flot size		Dominant Indicator Species? Status	Dominance Test worksheet:
			Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
. None wanted			Percent of Dominant Species
5			That Are OBL, FACW, or FAC:(A/B
			1
7			Prevalence Index worksheet:
		Total Cover	Total % Cover of: Multiply by:
50% of total cover:			OBL species x1=
50% of that cover	20 /6 01	total cover	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 15./			FAC species x3=
1			FACU species x4=
2			UPL species x5=
3			
			Column Totals: (A) (B)
None observad			Prevalence Index = B/A =
			Hydrophytic Vegetation Indicators:
7			1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
*		Total Cover	3 - Prevalence Index is ≤3.0¹
50% of total cover:		total cover:	4 - Morphological Adaptations ¹ (Provide supporting
dech Shehim (Blot size: 51/4)			data in Remarks or on a separate sheet)
Sciences Sylving	45	yes frew	Problematic Hydrophytic Vegetation ¹ (Explain)
Sciros Todino	15	NO FALM	
Epilobium coloratum	- 15		¹ Indicators of hydric soil and wetland hydrology must
Tomes Coteses	30	JES FALW	be present, unless disturbed or problematic.
		<u>v</u>	Definitions of Four Vegetation Strata:
			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o more in diameter at breast height (DBH), regardless of
			height.
			1
			Sapling/Shrub - Woody plants, excluding vines, less
		==	than 3 in. DBH and greater than or equal to 3.28 ft (1
		==	
3 3	=		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless
3	90 -	Total Cover	than 3 in. DBH and greater than or equal to 3.28 ft (1
0 150% of total cover:ಆ್	90 -	Total Cover	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
1	90 -		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless
50% of total cover:	90 -		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
0	90 -		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover: 46 Voody Vine Stratum (Plot size: 30 /)	90 -		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover:	90 -		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
Noody Vine Stratum (Plot size: 302)	90 -		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic
Solution of total cover: Woody Vine Stratum (Plot size: 30 /)	20% of t	otal cover: 18	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
Solution of total cover: Woody Vine Stratum (Plot size: 30 /)	20% of t		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic

WEILAND DETERMINATION DATA FORM - Eas	Tackson Turk
Project/Site: Vigo - Pinc Zido City/County:	Jackson Co Sampling Date: 2/3/11
Applicant/Owner:	State: 67 Sampling Point W 05 4
Investigator(s): B3m/NOP Section, Tov	viship, Range: Not dividal by puss
Landform (hillslope, terrace, etc.):Local relief (con	cave, convex, none):Slope (%):
Subregion (LRR or MLRA): Ltt N Lat: 39.1414278	Long:82 . 72784042 Detum: NAD83
Soil Map Unit Name: OMULAN SIH LOWIN, 0-790 Sloves	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes _ No
Are Vegetation, Soil, or Hydrology naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling	point locations, transects, important features, etc.
Literatura Caril December Van Na A	Sampled Area n a Wetland? Yes No
Remarks:	1-0-3/pin forest & 051-PFO-CAT2, W062-PFO-CAT2 N052-PEM-CAT2
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizospheres on L	iving Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced Iron (0	C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction in Till	ed Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
· Algal Mat or Crust (B4) Other (Explain in Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes NoX Depth (inches): Saturation Present? Yes NoX Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous in	spections), if available:
Remarks:	
NO primary or secondary w	etland Mydrology indicators
were observed	

3012		Dominant II		Dominance Test worksheet:
Pins Stratum (Plot size:)	% Cover		FACV	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
				Total Number of Dominant Species Across All Strata: (B)
		_		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/E
				Prevalence Index worksheet:
	40 =	Total Cover		Total % Cover of: Multiply by:
50% of total cover:	20% of to	tal cover:_	2	OBL species
Sapling/Shrub Stratum (Plot size:)				FAC species 15 x 3 = 45
None obserd				FACU species x 4 =
				UPL species $0 \times 5 = 0$ Column Totals: $75 \times 6 = 275 \times 6$
4				
				Prevalence Index = B/A = 3.67
				Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0¹
50% of total cover:		Total Cover tal cover:		4 - Morphological Adaptations ¹ (Provide supporting
erb Stratum (Plot size:)	20 /0 01 10			data in Remarks or on a separate sheet)
Agrimonia parvitira	_ 5	NO_	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
Toxi co Inh dran redicans	0	JS_	FAL	Indicators of hydric soil and wetland hydrology must
tountilla simply	- 15	145 (1)	ALV	be present, unless disturbed or problematic.
Porsilaria Virginia?		100	FAC	Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of
				more in diameter at breast height (DBH), regardless of height.
				Sapling/Shrub – Woody plants, excluding vines, less
	<u> </u>			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
),			_	
<u> </u>	35 =1	Total Cover	68	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover:	20% of to		7	Woody vine - All woody vines greater than 3.28 ft in
oody Vine Stratum (Plot size: 30'A)				height.
vitio op	<u> 16</u>		_	
				Hydrophytic
				Vegetation
	,	Total Cover		Present? Yes No
50% of total cover:		tal cover:		
emarks: (Include photo numbers here or on a separat				
Deland regetation is	s dani	mant		

Sampling Point: 1061 + 106 SOIL Profile Description: (Describe to the depth needed to document the Indicator or confirm the absence of indicators.) Redox Features Depth Matrix Color (moist) % Type¹ Loc² Color (moist) (inches) ²Location: PL=Pore Lining, M=Matrix. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Indicators for Problematic Hydric Solls³: **Hydric Soil Indicators:** _ 2 cm Muck (A10) (MLRA 147) Dark Surface (S7) Histosol (A1) Coast Prairie Redox (A16) Polyvalue Below Surface (S8) (MLRA 147, 148) Histic Epipedon (A2) ___ Thin Dark Surface (S9) (MLRA 147, 148) (MLRA 147, 148) Black Histic (A3) Piedmont Floodplain Soils (F19) ___ Loamy Gleyed Matrix (F2) Hydrogen Sulfide (A4) (MLRA 136, 147) Depleted Matrix (F3) Stratified Layers (A5) Very Shallow Dark Surface (TF12) Redox Dark Surface (F6) 2 cm Muck (A10) (LRR N) ___ Other (Explain in Remarks) Depleted Dark Surface (F7) Depleted Below Dark Surface (A11) Redox Depressions (F8) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR N, Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) **MLRA 136)** ³Indicators of hydrophytic vegetation and Umbric Surface (F13) (MLRA 136, 122) Sandy Gleyed Matrix (S4) wetland hydrology must be present, Piedmont Floodplain Soils (F19) (MLRA 148) Sandy Redox (S5) unless disturbed or problematic. Red Parent Material (F21) (MLRA 127, 147) Stripped Matrix (S6) Restrictive Layer (if observed): Type: **Hydric Soil Present?** Depth (inches): Remarks: Non Mydric Soils

Project/Site: Visa - Pin Didae city	County: Jackson Co Sampling Date: \$/4/17
Applicant/Owner. ACP	State: // Sampling Point: NOS3-
22 / 1/2	tion, Township, Range: not divited by PLSS
	elief (concave, convex, none):(oncw 14_ Slope (%): 2_
Soil Map Unit Name: Pope Sunly loan, freg.	
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly distu	rrbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sar	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes No
Remarks: Sumple point lovated in a m Vagtative - Concave boul & Sor	isel decidence forest, orighty
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Water Marks (B1) Presence of Reduce	dor (C1) Drainage Patterns (B10) res on Living Roots (C3) Moss Trim Lines (B16) d Iron (C4) Dry-Season Water Table (C2) on in Tilled Soils (C6) Crayfish Burrows (C8) C7) Saturation Visible on Aerial Imagery (C9)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No _X Depth (inches):	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Saturation Present? Yes No _> Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes Yo No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
Meets B8 4 52 - 2 Secondon	t indicators

	names of	pianto.		Sampling Point: W0505
Tree Stratum (Plot size: 30 / L	Absolute	Dominant		Dominance Test worksheet:
The state of the s		Species?	The State of State of the State	Number of Dominant Species
. Platanes occidentalis	40	75	FACU	That Are OBL, FACW, or FAC: (A
e Mans rebyon	12	445	FAC	Total Number of Dominant
				Species Across All Strata:
5				Percent of Dominant Species That Are ORL FACW or FAC:
				That Are OBL, FACW, or FAC: (A
			_	Prevalence Index worksheet:
			_	Total % Cover of: Multiply by:
20	25	= Total Cov	er	OBL species x1=
50% of total cover: 27	5 20% of	total cover.	N	
apling/Shrub Stratum (Plot size: 161/4)	4.0		1237	FACW species x2=
ALL regulo	10	Jus.	forc	FAC species x3=
bindown Look Zoid	.5	465	FACW	FACU species x4=
		1		UPL species x5=
		<u> </u>	_	Column Totals: (A) (
				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
				- Rapid Test for Hydrophytic Vegetation
		7		2 - Dominance Test is >50%
	-	****	- T	3 - Prevalence Index is ≤3.01
		Total Cove		4 - Morphological Adaptations1 (Provide support
50% of total cover: 7.5	20% of	total cover:	_	data in Remarks or on a separate sheet)
erb Stratum (Plot size: 5'<)	/	57.0	4	Problematic Hydrophytic Vegetation ¹ (Explain)
Carex grayii	5	A15	FALW	Problematic Hydrophytic vegetation (Explain)
		V		
				¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
			$\overline{}$	Definitions of Four Vegetation Strata:
				Tare 18/andy plants evaluating visco 2 in (7.6 cm)
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless
				height.
			7.0	Sapling/Shrub - Woody plants, excluding vines, les
	==			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
	_	$\overline{}$	_	Try tall.
·	-			Herb - All herbaceous (non-woody) plants, regardles
	_ 5	Total Cove	r	of size, and woody plants less than 3.28 ft tall.
50% of total cover:	20% of	total cover:_	7 - 2 - 5	late of the same o
oody Vine Stratum (Plot size:)				Woody vine - All woody vines greater than 3.28 ft in height.
				Hergitt.
				4
No. object				
Now 163-17d				
Non 163-17al				Hydrophytia - /
Now 16511al				Hydrophytic Vegetation
Now 165-17al		Tetal Cave		Vegetation Present? Yes No
		Total Cove		Vegetation
50% of total cover:	20% of	Total Cover.		Vegetation
50% of total cover:	20% of			Vegetation
50% of total cover:smarks; (Include photo numbers here or on a separate s	20% of theet.)	total cover		Vegetation
50% of total cover:smarks; (Include photo numbers here or on a separate s	20% of theet.)	total cover		Vegetation
50% of total cover:	20% of theet.)	total cover		Vegetation
50% of total cover:	20% of theet.)	total cover		Vegetation
50% of total cover:	20% of theet.)	total cover		Vegetation

Depth	Matrix			Features					
nches)	Color (moist)	%	Color (moist)	_%_	Type	_Loc2	Texture		Remarks
2-2	104R 3/2	166					5.6		
7-18	1048 4/2	bu	1041514	20	6	M	511		
							2.51		
					100				
	&e								
		letion, RM=	Reduced Matrix, MS	=Masked	Sand Gn	ins.	² Location: Pi		
iric Soil	Indicators:								oblematic Hydric Solls 3:
Histosol			Dark Surface				The second secon		10) (MLRA 147)
S. Aller, S. Schaller, S.	pipedon (A2)		Polyvalue Bel				148) C		Redox (A16)
	stic (A3)		Thin Dark Sur			47, 148)	D.	(MLRA 147	
	n Sulfide (A4)		Contested Male		2)				odplain Soils (F19)
	d Layers (A5)		Depleted Mate					(MLRA 130	Dark Surface (TF12)
	ick (A10) (LRR N)	- /4441	Redox Dark S						n in Remarks)
	d Below Dark Surface	e (A11)	Depleted Dark					niei (Exhigii	ii iii remarks)
	ark Surface (A12)		Redox Depres		The second second	DD 44			
Sandy N	fucky Mineral (S1) (I	LRR N,	iron-Mangane	se Masse	s (F12) (I	RR N,			
	[[] [[] [] [] [] [[] [] [] [] [] [] [] [
	147, 148)		MLRA 136	-					
	147, 148) Sleyed Matrix (S4)		Umbric Surfac	ce (F13) (I					drophytic vegetation and
Sandy G Sandy R	Sleyed Matrix (S4) Redox (S5)		Umbric Surfac	ce (F13) (I odplain Sc	ils (F19)	MLRA 14	8) we	tland hydrol	ogy must be present,
Sandy G Sandy R Stripped	Bleyed Matrix (S4) Bedox (S5) Matrix (S6)		Umbric Surfac	ce (F13) (I odplain Sc	ils (F19)	MLRA 14	8) we	tland hydrol	
Sandy G Sandy R Stripped trictive I	Sleyed Matrix (S4) Redox (S5)		Umbric Surfac	ce (F13) (I odplain Sc	ils (F19)	MLRA 14	8) we	tland hydrol	ogy must be present,
Sandy G Sandy R Stripped strictive I	sleyed Matrix (S4) sedox (S5) Matrix (S6) _ayer (if observed):		Umbric Surfac	ce (F13) (I odplain Sc	ils (F19)	MLRA 14	8) we) unl	tland hydrol ess disturbe	ogy must be present,
Sandy G Sandy R Stripped strictive L Type: Depth (inc	sleyed Matrix (S4) sedox (S5) Matrix (S6) _ayer (if observed):		Umbric Surfac	ce (F13) (I odplain Sc	ils (F19)	MLRA 14	8) we	tland hydrol ess disturbe	ogy must be present, ed or problematic.
Sandy G Sandy R Stripped strictive I Type: Depth (inconsider)	Sleyed Matrix (S4) Sledox (S5) Matrix (S6) Layer (if observed):		Umbric Surface Piedmont Floo Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	ogy must be present, ed or problematic.
Sandy G Sandy R Stripped strictive I Type: Depth (incomarks:	Sleyed Matrix (S4) Sledox (S5) Matrix (S6) Layer (if observed):		Umbric Surface Piedmont Floo Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	ogy must be present, ed or problematic.
Sandy G Sandy R Stripped trictive I Type: Depth (inconsits:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	ogy must be present, ed or problematic.
Sandy G Sandy R Stripped trictive I Type: Depth (inconsites:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	ogy must be present, ed or problematic.
Sandy G Sandy R Stripped strictive I Type: Depth (incomarks:	Sleyed Matrix (S4) Sledox (S5) Matrix (S6) Layer (if observed):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	ogy must be present, ed or problematic.
Sandy G Sandy R Stripped strictive I Type: Depth (incomarks:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	RUCW
Sandy G Sandy R Stripped strictive I Type: Depth (incomarks:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	RUCW
Sandy G Sandy R Stripped strictive I Type: Depth (incomarks:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	RUCW
Sandy G Sandy R Stripped trictive I Type: Depth (inconsits:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	RUOW
Sandy G Sandy R Stripped trictive I Type: Depth (inconsits:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	RUOW
Sandy G Sandy R Stripped trictive I Type: Depth (inconsits:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	RUOW
Sandy G Sandy R Stripped strictive I Type: Depth (inconsides:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	RUOW
Sandy G Sandy R Stripped strictive I Type: Depth (inconsides:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	RUOW
Sandy G Sandy R Stripped strictive I Type: Depth (inconsides:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	RUOW
Sandy G Sandy R Stripped strictive I Type: Depth (incomarks:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	RUOW
Sandy G Sandy R Stripped strictive I Type: Depth (incomarks:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	Rulow
Sandy G Sandy R Stripped strictive I Type: Depth (incomarks:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	RUOW
Sandy G Sandy R Stripped trictive I Type: Depth (inconsites:	sleyed Matrix (S4) sledox (S5) Matrix (S6) Layer (if observed): thes):	DeP	Umbric Surface Pledmont Floor Red Parent M	ce (F13) (I odplain So aterial (F2	ilis (F19)	(MLRA 14 A 127, 147	8) we) unl Hydric Soil	tland hydroli ess disturbe Present?	Rulow

WETLAND DETERMINATION DATA FORM	- Eastern Mountains and Piedmont Region
Project/Site: Vigo - Pine Ridge City/C	County: Sackson Tus & I Trackson (OSampling Date: 8/4/17
	State: OH Sampling Point: WOSH-P
	on, Township, Range: NO PLSS
Landform (hillslope, terrace, etc.): Valley Local rel	
	Long: 82 7750776 Datum: N 4 10 8 3
Soil Map Unit Name: Prope Soundy locum from floor	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation $\underline{\mathbb{N}}$, Soil $\underline{\mathbb{N}}$, or Hydrology $\underline{\mathbb{N}}$ significantly distur	
Are Vegetation <u></u> , Soil <u>,</u> , or Hydrology <u>N</u> naturally problem	
	ppling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
Sample point is located in a s	lightly concave depression in an
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Saturation (A3) Hydrogen Sulfide Od Oxidized Rhizosphere	or (C1) Drainage Patterns (B10) es on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced	그리 우리를 보고 있는데 얼마나 그는 이번 그렇게 살아보다면 되었다. 그런 그래요? 그렇게 되어 있어 있다면 되어 모네는 이번 그림을 보다 되었다.
Sediment Deposits (B2) Recent Iron Reductio	
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Ren Iron Deposits (B5)	
Inundation Visible on Aerial Imagery (B7)	✓ Geomorphic Position (D2) ✓ Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (Inches):	
Water Table Present? Yes No ✓ Depth (inches): Saturation Present? Yes No ✓ Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
	producty Indicators

2410	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 12)			Status	Number of Dominant Species
1-12/mis ruora			FAC	That Are OBL, FACW, or FAC: (A)
2. Pre r regundo	_15_		FAC	Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 83.3 (A/B)
6				The state of the s
7.				Prevalence Index worksheet:
	40	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:				OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15 15				FACW species x 2 =
1 11/10/12 5.5610	10	Y	FAC	FAC species x 3 =
2. Prev regundo	<	5.1	FAC	FACU species x 4 =
2 Pres Magando			1	UPL species x 5 =
3			_	Column Totals: (A) (B)
4				
5,				Prevalence Index = B/A =
6	. —	_	-	Hydrophytic Vegetation Indicators:
7	-			1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9.	70.00			3 - Prevalence Index is ≤3.0¹
	15	= Total Cov	er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 7	20% of	f total cover:	3_	
Herb Stratum (Plot size: 5 (2)				data in Remarks or on a separate sheet)
1. Carex gray,	10	Y	FALW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Lindera benzon	2	N	FACW	
2.0000.20	7	N	FAC	¹ Indicators of hydric soil and wetland hydrology must
3. Olmus Cobra			FALU	be present, unless disturbed or problematic.
4. Parmona Strata				Definitions of Four Vegetation Strata:
5. Lysch mean a nummularia		_N_	OBL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6			_	more in diameter at breast height (DBH), regardless of
7	-			height.
8			_	Sapling/Shrub - Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
11.				Herb – All herbaceous (non-woody) plants, regardless
	71	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 10				
Woody Vine Stratum (Plot size: 30 2)		riolar do roi.		Woody vine – All woody vines greater than 3.28 ft in
1. None Observed				height.
1. 1000/16 010 20, 07.0	-	-	_	
2	_		-	
3	-	-		
4		-	_	Hydrophytic
5				Vegetation
		= Total Cov	er	Present? Yes No
50% of total cover:	20% o	f total cover:		
Remarks: (Include photo numbers here or on a separate		Gon	iran	C +

(inches)	Matrix			x Features		. 2		- Language
- 1775	Color (moist)	_%_	Color (moist)	-%	Type ¹	_Loc²		Remarks
D-16	10:112-12	410	104R 5/10	20		W_	Loam_	
			1048ml	15_	D	\overline{W}		
			104R 514	15	C	M		
		2	1048 2/2	10	D	m		
				-		-		
					_			
		_		-				
		_			_	_		
		_		_				
				_				
		letion, RM	=Reduced Matrix, MS	S=Masked	Sand Gra	ains.		ore Lining, M=Matrix.
ydric Soil I Histosol	Indicators:		Dark Surface					for Problematic Hydric Solls ³ : Muck (A10) (MLRA 147)
_ Thick Da _ Sandy M _ MLRA _ Sandy G	d Below Dark Surface ork Surface (A12) ducky Mineral (S1) (L A 147, 148) deleyed Matrix (S4) dedox (S5)		Depleted Dar Redox Depre Iron-Mangane MLRA 136 Umbric Surfa Piedmont Flo	ssions (F8 ese Masse 6) ce (F13) (I	8) es (F12) (I MLRA 13	6, 122)	³ Indicato	(Explain in Remarks) rs of hydrophytic vegetation and if hydrology must be present,
	Matrix (S6)		Red Parent M					disturbed or problematic.
	ayer (if observed):	,		G		1000430		2-3-3-3-2-3-1-1 () 2-3-3-3-2-1-3-1
Type:								
Depth (inc	thes):		_				Hydric Soil Pres	sent? Yes X No
nnon	45 F3	- Di	expletal	Ma	+ 54			

Project/Site:	Vigo - Pin		City/County: Tac	ntains and Pickson	rwp -	0 / 11111
Applicant/Owner:	ACP		city/county.		Sampling Date:_	
Investigator(s):	Bam /N	6-P	Continu Towards 5	State:C	. 0	
			Section, Township, Rangeral relief (concave, convex	e: not d	witch by A	155
Subregion (LRR or MLS	AN LEDON	Lat: 39 1408				e (%):
				-827260	- 12-37-31	WAD83
Are climatic / budsalesis	me savay	02.5 June	requently 210	odec NWI da	ssification:	A
Are Vinastetian A	conditions on the site	typical for this time of year	ar? Yes No	(If no, explain	in Remarks.)	
Are vegetation	Soil VV, or Hydrole	ogy significantly of	listurbed? Are "No	rmal Circumstanc	ces" present? Yes	_ No
		ogy _ N naturally prot	olematic? (If needs	ed, explain any an	nswers in Remarks \	del Company
SUMMARY OF FI	NDINGS - Attach	site map showing	sampling point loca	ations, transe	ects, important fe	atures etc
Hydrophytic Vegetation Hydric Soil Present? Wetland Hydrology Pre Remarks:	Present? Yes Yes sent? Yes	No_X No_X No_X	Is the Sampled Are within a Wetland?	ea Yes_	NoX_	
5 ample poil ce uplant HYDROLOGY	rip to		CATMODIA W			ı.
Wetland Hydrology Inc	licators:			0		
Primary Indicators (minis		check all that apply)			dicators (minimum of tw	o required)
Surface Water (A1)		True Aquatic Plan	ts (B14)		Soil Cracks (B6)	oral II
High Water Table (A	(2)	Hydrogen Sulfide	The state of the s		Vegetated Concave Sur Patterns (B10)	rface (BB)
Saturation (A3)		Oxidized Rhizosph	neres on Living Roots (C3		n Lines (B16)	
Water Marks (B1)	To	Presence of Redu	ced Iron (C4)		on Water Table (C2)	- 1
Sediment Deposits (_ Drift Deposits (B3)	02)	Recent Iron Reduc	ction in Tilled Soils (C6)		Burrows (C8)	- N
Algal Mat or Crust (E	34)	Thin Muck Surface		Saturation	Visible on Aerial Image	ery (C9)
Iron Deposits (B5)	.,	Other (Explain in F	(emarks)		Stressed Plants (D1)	
	Aerial Imagery (B7)				nic Position (D2)	
Water-Stained Leave	is (B9)				quitard (D3)	
Aquatic Fauna (B13)					graphic Relief (D4) ral Test (D5)	
Field Observations:		12.			ar rest (D3)	
Surface Water Present?	Yes No_	Depth (inches):				
Water Table Present?	Yes No_	Depth (inches):				
Saturation Present? (includes capillary fringe)		Depth (inches):	Wetland	Hydrology Prese	ent? YesN	0 7
Describe Recorded Data	stream gauge, monitor	ring well, aerial photos, pi	revious inspections), if av	/ailable:		
Remarks:						
(A) 1.71 (B)						
meets 02	- only	1 secondo	my indica	tex do	es not v	neet
CVITELIA	ROC 11	setland No	100000			
	, - ,	Carlotte All	1-10-10-7			

VEGETATION (Four Strata) - Use scientific		Sampling Point: いつらう ナル
Tree Stratum (Plot size: 30'L)	Absolute Dominant Indic % Cover Species? Sta	ator Dominance Test worksheet: Number of Dominant Species
2		That Are OBL, FACW, or FAC;(A)
3		Total Number of Dominant Species Across All Strata: (B)
ð		Percent of Dominant Species 50
7		
		Prevalence Index worksheet: Total % Cover of: Multiply by:
50% of total cover:	= Total Cover 20% of total cover:	OBL species O x 1 = O
Sapling/Shrub Stratum (Plot size: 15)		FACW species 45 x2= 90
1,		FAC species 15 x3= 45
2		FACU species 55 x4= 376
3.		UPL species O x5 = (2
. None observal	=	Column Totals: 115 (A) 335 (B)
		Prevalence Index = B/A = _ 3, 0 9
1		Hydrophytic Vegetation Indicators:
		1 - Rapid Test for Hydrophytic Vegetation
		2 - Dominance Test is >50%
O. J. J. S.	= Total Cover	3 - Prevalence Index is ≤3.01
50% of total cover:	20% of total cover:	4 - Morphological Adaptations (Provide supporting
Plate (Plot size: 5'0)		data in Remarks or on a separate sheet)
Bromes incomes	20 NO FALL	Problematic Hydrophytic Vegetation¹ (Explain)
Phalip	30 Yos FALL	Ĺ 1
The lances entir acca	46 466 FACE	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Cirsium arrense	5 No FACE	Definitions of Four Verstaller St.
Dichanthe liver Chalistinum	-5 No FAW	
THE TOP CHIESTANN	- CB NO FAL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
		Sapling/Shrub - Woody plants, excluding vines, less
		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
		Herb - All horbassania (
50% of total cover: 57.5	115 = Total Cover	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
ody Vine Stratum (Plot size: 30%	20% of total cover: 23	
(1000)		Woody vine – All woody vines greater than 3.28 ft in height.
None observal		
		Property and the second
		Hydrophytic
	= Total Cover	Vegetation Present? Yes
50% of total cover:	20% of total cover	Present? Yes No
arks: (Include photo numbers here or on a separate she	et.)	
IPland vegetation is	daga	
- Metation 15	Commant	
		W.

Depth Matrix	th needed to document the indicator or conf	rm the absence of Ind	cators.)	Point: wo5
(inches) Color (moist) %	Redox Features			W054
6-4 16424/5 100	Color (moist) % Type Loc2	Texture	Remar	ks
4-8 10424/3 100		516		
K-11 100		Sic		
10414 100		1		
Type: C=Concentration, D=Depletion, RM=F	Deduced to the second s			
lydric Soil Indicators:	reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore L	ining, M=Matrix	e
_ Histosol (A1)	Dorle Contractor	Indicators for	Problematic F	lydric Soils3:
_ Histic Epipedon (A2)	Dark Surface (S7)	2 cm Muck	(A10) (MLRA	147)
Black Histic (A3)	Polyvalue Below Surface (S8) (MLRA 147,	148) Coast Prai	rie Redox (A16)
_ Hydrogen Sulfide (A4)	Thin Dark Surface (S9) (MLRA 147, 148) Loamy Gleyed Matrix (F2)	(MLRA	147, 148)	
Stratified Layers (A5)	Depleted Matrix (F3)	Piedmont F	loodplain Soils	(F19)
2 cm Muck (A10) (LRR N)	Redox Dark Surface (F6)	(MLRA 1	36, 147)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	Very Shallo	w Dark Surface	e (TF12)
Thick Dark Surface (A12)	Redox Depressions (F8)	Other (Expl	ain in Remarks	(1)
Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)	Iron-Manganese Masses (F12) (LRR N			
MERCH 147, 140)	MI DA 4001			
Sandy Gleved Matrix (CA)	MLRA 136)			
Sandy Gleyed Matrix (S4) Sandy Redox (S5)	Umbric Surface (F13) (MLRA 136, 122)	3Indicators of t	vdrophytic voc	and all all all all all all all all all al
Sandy Redox (S5) Stripped Matrix (S6)	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148		nydrophytic veg	letation and
Sandy Redox (S5) Stripped Matrix (S6)	Umbric Surface (F13) (MLRA 136, 122)	wetland hydro	ology must be t	present
Sandy Redox (S5)	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148	wetland hydro	nydrophytic veg ology must be p oed or problem	present
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type:	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148	wetland hydro	ology must be t	present
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type:	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148	wetland hydro	plogy must be posed or problem	present
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148 Red Parent Material (F21) (MLRA 127, 147)	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148 Red Parent Material (F21) (MLRA 127, 147)	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148 Red Parent Material (F21) (MLRA 127, 147)	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148 Red Parent Material (F21) (MLRA 127, 147)	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148 Red Parent Material (F21) (MLRA 127, 147)	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148 Red Parent Material (F21) (MLRA 127, 147)	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148 Red Parent Material (F21) (MLRA 127, 147)	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148 Red Parent Material (F21) (MLRA 127, 147)	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148 Red Parent Material (F21) (MLRA 127, 147)	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.
Sandy Redox (S5) Stripped Matrix (S6) strictive Layer (if observed): Type: Depth (inches):	Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148 Red Parent Material (F21) (MLRA 127, 147)	wetland hydro unless disturb	plogy must be posed or problem	oresent, atic.

	TERMINATION DATA FORM	Sucks	CV = 1000
Project/Site: Via C	-PIn & Ridge city	County: Jacks	on Co Sampling Date: 3/3/17
Applicant/Owner.	£P		_ State: 64 Sampling Point_W055
Investigator(s): B5W	/ UFP Sec	tlon, Township, Range:	not divided by plss
Landform (hillslope, terrace, etc.):	/ La -	elief (concave, convex, no	
Subregion (LRR or MLRA):	41 . 11		82.70548352 Datum: /VAD 63
	The second		
Soil Map Unit Name: 1604	Was round and	3. Hoodel	NWI classification:
Are climatic / hydrologic conditions on			
Are Vegetation, Soil, or	Hydrology N significantly dist	urbed? Are "Norma	Circumstances" present? Yes No
Are Vegetation, Soil, or	r Hydrology naturally problem	natic? (If needed,	explain any answers in Remarks.)
SUMMARY OF FINDINGS - A	Attach site map showing sai	mpling point location	ons, transects, important features, etc
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes X No No Yes X No	Is the Sampled Area within a Wetland?	Yes No
	the in efloutplain		Scale 25 (127)
HYDROLOGY			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is	required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Od	dor (C1)	Drainage Patterns (B10)
Saturation (A3)	Oxidized Rhizospher	res on Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce		Dry-Season Water Table (C2)
Sediment Deposits (B2)		on in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift Deposits (B3)	Thin Muck Surface (Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re	marks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5) Inundation Visible on Aerial Image	(P7)		Geomorphic Position (D2)
Water-Stained Leaves (B9)	ary (67)		Shallow Aquitard (D3)
Aquatic Fauna (B13)			Microtopographic Relief (D4) ★ FAC-Neutral Test (D5)
Field Observations:			
	No X Depth (inches):		
	No X Depth (inches):		
	No Y Depth (inches):		lydrology Present? Yes <u></u> No
(Includes capillary fringe) Describe Recorded Data (stream gauge			
W/A	je, monitoring weil, aenar prioroa, pre	evious irispections), ir eva	nable.
Remarks:			
meets B2, D2 o	+ D5		

Tree Stratum (Plot size: 30 1/2)	Absolute Dominant Indica % Cover Species? State	
		That Are OBL, FACW, or FAC:(A)
2		Total Number of Dominant
3.		Total Number of Dominant Species Across All Strata: (B)
Non observed		
5		Percent of Dominant Species That Are OBL, FACW, or FAC:
3.		That are OBL, FACVI, of FAC: (A/B
		Prevalence Index worksheet:
		Total % Cover of: Multiply by:
FOOV of total anyone	= Total Cover 20% of total cover:	OBL species x1 =
50% of total cover.	20% of total cover	FACW species x 2 =
Sapiling/Shrub Stratum (Plot size: 57)		FAC species x 3 =
· · · · · · · · · · · · · · · · · · ·		FACU species x 4 =
		UPL species x 5 =
		Column Totals: (A) (B)
Non- Observed		Describes Index Bits
		Prevalence Index = B/A =
		Hydrophytic Vegetation Indicators:
		Rapid Test for Hydrophytic Vegetation
		2 - Dominance Test is >50%
		3 - Prevalence Index is ≤3.01
	= Total Cover	4 - Morphological Adaptations (Provide supportin
	20% of total cover:	data in Remarks or on a separate sheet)
(erb Stratum (Plot size: 5 12)		
Persicana Virginiana	16 No F.	Problematic Hydrophytic Vegetation ¹ (Explain)
Cianu ampliancea	25 tos FA	w .
Cytica diocia	15 NO FA	"Indicators of hydric soil and wetland hydrology must
Leschipmucha numme larit		De present, unless disturbed of problematic.
		Deliniuolis oi Foui reguladon Suala.
Agromon a Parvi flama	15 NO FAC	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
		more in diameter at breast height (DBH), regardless of
		more in diameter at breast height (DBH), regardless of height.
		height.
•		height. Sapling/Shrub - Woody plants, excluding vines, less
		height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
),		height. Sapling/Shrub - Woody plants, excluding vines, less
),		height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless
D	95 = Total Cover	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
50% of total cover: <u>42</u>	95 = Total Cover	height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>42</u>	95 = Total Cover	height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless
50% of total cover: 42 yoody Vine Stratum (Plot size: 374)	95 = Total Cover	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover: 42 loody Vine Stratum (Plot size: 3/4)	95 = Total Cover	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover: 42 /oody Vine Stratum (Plot size: 3/4)	95 = Total Cover	height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine - All woody vines greater than 3.28 ft in
50% of total cover: 42 /oody Vine Stratum (Plot size: 3/4)	95 = Total Cover	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
50% of total cover: 42 /oody Vine Stratum (Plot size: 3/4)	95 = Total Cover	height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine - All woody vines greater than 3.28 ft in height. Hydrophytic
50% of total cover: 42 /oody Vine Stratum (Plot size: 3/4)	55 = Total Cover 20% of total cover: 17	height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
50% of total cover: 42 /oody Vine Stratum (Plot size: 3/4)	55 = Total Cover 7 20% of total cover: 17	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic
50% of total cover: 42 Voody Vine Stratum (Plot size: 374)	55 = Total Cover 20% of total cover: 17	height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
50% of total cover: 42 /oody Vine Stratum (Plot size: 3/4) // AC 0/5/2004	= Total Cover 20% of total cover:	height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
50% of total cover: 42 /oody Vine Stratum (Plot size: 31/2) // nC 05/5/// 50% of total cover:	= Total Cover 20% of total cover: 17 = Total Cover 20% of total cover: sheet.)	Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present?
50% of total cover: 42 /oody Vine Stratum (Plot size: 31/2) // nC 05/5/// 50% of total cover:	= Total Cover 20% of total cover: 17 = Total Cover 20% of total cover: sheet.)	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes No
50% of total cover: 42 /oody Vine Stratum (Plot size: 3/4) // AC 0/5/2004	= Total Cover 20% of total cover: 17 = Total Cover 20% of total cover: sheet.)	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present?
50% of total cover: 42/200dy Vine Stratum (Plot size: 31/2) 1.	= Total Cover 20% of total cover: 17 = Total Cover 20% of total cover: sheet.)	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes No
50% of total cover: 42 /oody Vine Stratum (Plot size: 31/2) // AC 05/5/2/2 50% of total cover:	= Total Cover 20% of total cover: 17 = Total Cover 20% of total cover: sheet.)	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present?
50% of total cover: 42 /oody Vine Stratum (Plot size: 31/2) // AC 05/5/2/2 50% of total cover:	= Total Cover 20% of total cover: 17 = Total Cover 20% of total cover: sheet.)	height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present?

SOIL Sampling Point: NOSS-PEM Profile Description: (Describe to the depth needed to document the Indicator or confirm the absence of indicators.) Redox Features Color (moist) (inches) Color (moist) Type Loc2 Remarks ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils3: Histosol (A1) Dark Surface (S7) __ 2 cm Muck (A10) (MLRA 147) _ Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Coast Prairie Redox (A16) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) (MLRA 147, 148) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Pledmont Floodplain Soils (F19) Depleted Matrix (F3) Stratified Layers (A5) (MLRA 136, 147) 2 cm Muck (A10) (LRR N) Redox Dark Surface (F6) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) ___ Depleted Dark Surface (F7) Other (Explain in Remarks) Thick Dark Surface (A12) Redox Depressions (F8) _ Sandy Mucky Mineral (S1) (LRR N, ___ iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) **MLRA 136)** Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) ³Indicators of hydrophytic vegetation and _ Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): **Hydric Soil Present?** Remarks: meets F3 - Depleted matrix

WETLAND DETERMINATION DATA	A FORM - Eastern Mo	ountains and Pledmo	ont Region
Project/Site: Vons -Pin & Zidge	City/County: Jack	kson Go	Sampling Date: 95/17
Applicant/Owner: ACP		State: DM	Sempling Point: INOS
MID RYM	Section, Township, Ra		1
11/10		The state of the s	
	B 70 999 Lor	vex. none): Con UN-	
	0 11		
Soil Map Unit Name: tope Samby lear	0 .	NWI classifica	tion: 1701/55/A
Are climatic / hydrologic conditions on the site typical for this time		(If no, explain in Re	marks.)
Are Vegetation, Soil, or Hydrology signific	antly disturbed? Are	"Normal Circumstances" pr	esent? Yes No
Are Vegetation, Soil, or Hydrology natura	lly problematic? (If ne	eeded, explain any answer	s in Remarks.)
SUMMARY OF FINDINGS - Attach site map show	wing sampling point I	ocations, transects,	important features, etc.
			ALTO REGULATION FOR THE
Hydrophytic Vegetation Present? Yes No	Is the Sampled	Area	
Hydric Soil Present? Yes No	within a Wetlar		No
Wetland Hydrology Present? Yes X No			
Remarks:	. 1 1	free 54	floodphin
Sample Point loath in a	rikal decid	-003 1011	masapain
05-	Y	A 8 4	
& Survey as 110 101	fo W056.	PFO-CAT2	
Wanas and			
HYDROLOGY		Constant Indian	(
Wetland Hydrology Indicators:	11.5		ors (minimum of two required)
Primary Indicators (minimum of one is required; check all that ar		Surface Soil C	
**************************************	atic Plants (B14)		etated Concave Surface (B8)
	Sulfide Odor (C1)	Drainage Patt ts (C3) Moss Trim Lin	
	Rhizospheres on Living Root of Reduced Iron (C4)		/ater Table (C2)
	on Reduction in Tilled Soils (C	생활, 이 네티얼마를 받았다. [19] 이번 시작 [19] [19]	
	Surface (C7)		ible on Aerial Imagery (C9)
()	plain in Remarks)		essed Plants (D1)
Iron Deposits (B5)		Geomorphic F	osition (D2)
Inundation Visible on Aerial Imagery (B7)		Shallow Aquit	ard (D3)
Water-Stained Leaves (B9)			hic Relief (D4)
Aquatic Fauna (B13)		FAC-Neutral 1	est (D5)
Field Observations:			
Surface Water Present? Yes No X Depth (in			
Water Table Present? Yes No Depth (in			X
Saturation Present? Yes No Depth (in (includes capillary fringe)	ches): We	tland Hydrology Present	7 Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if available:	
NIX	2. 5. 7. 11. 13. 17.		
Remarks			
	4		
Meets 157, DZ + DS			

Tree Stratum (Plot size: 301/L)	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet: Number of Dominant Species
1. Accordigingo	- 35 YES FAC	That Are OBL, FACW, or FAC: (A)
2. Sulis pigra		Total Number of Dominant Species Across All Strata: (B)
4		
5		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6		
7,		Prevalence Index worksheet:
Continue to the Continue to	= Total Cover	
	32.5 20% of total cover: 13.0	FACW species x2=
Sapling/Shrub Stratum (Plot size: 33' R		FAC species x3=
1		FACU species x4=
2		UPL species x5=
4. Nunc observal		Column Totals:(A)(B)
Nunc 633		(2)
8		Prevalence Index = B/A =
ß		Hydrophytic Vegetation Indicators:
7		Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
8		3 - Prevalence Index is ≤3.01
50% of total cover:	= Total Cover 20% of total cover:	4 - Morphological Adaptations¹ (Provide supporting
Herb Stretum (Plot size:	20 /8 0/ total cover	data in Remarks or on a separate sheet)
1. Conna qualitura	35 105 FALL	Problematic Hydrophytic Vegetation¹ (Explain)
2 Solitage gigan ton	15 NO FACE	
3 Lyschimachia nummulu	1 31) 16 031	Indicators of hydric soil and wetland hydrology must
A SOM TOURS	12 12	be present, unless disturbed or problematic.
		Definitions of Four Vegetation Strata:
		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
5		more in diameter at breast height (DBH), regardless of
<u> </u>		height.
).		Sapling/Shrub - Woody plants, excluding vines, less
). Q.		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
1,		
N.	90 = Total Cover	Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover:		or size, and woody plants loss than 5.20 K tall.
Noody Vine Stratum (Plot size: 301/-)		Woody vine - All woody vines greater than 3.28 ft in
		height.
11		
1/100/ 05210		
1004		The base of the second
		Hydrophytic Vegetation
	= Total Cover	Present? Yes No
50% of total cover:	20% of total cover:	
temarks: (Include photo numbers here or on a separat	te sheet.)	
Hydroprytic vegetat	tion is domin	an dt

	X		x Features	Type ¹	Loc2	Texture	Remarks
nches) Color (moist)		Color (moist)	20	Type	in	5:6	
1-10 NOL	10	-	00	-	10		
Control of the Control		10,000	10	_	001		
		104277	10	D	M		
				14			
			_	_			
		St. Walletin			-	24 DI	ore Lining, M=Matrix.
ype: C=Concentration, D=I	Depletion, RM	=Reduced Matrix, M	S=Masked	Sand G	ains.	Indicator	s for Problematic Hydric Soils.
ydric Soil Indicators:							Muck (A10) (MLRA 147)
_ Histosol (A1)		Dark Surface	e (S7)	(00) (1	N DA 447	the state of the s	t Prairie Redox (A16)
_ Histic Epipedon (A2)		Polyvalue Be					LRA 147, 148)
Black Histle (A3)		Thin Dark St			147, 140)		mont Floodplain Soils (F19)
_ Hydrogen Sulfide (A4)		Depleted Ma		(2)			LRA 136, 147)
_ Stratified Layers (A5)	n	Redox Dark		6)			Shallow Dark Surface (TF12)
2 cm Muck (A10) (LRR N Depleted Below Dark Su		Depleted Da				Othe	r (Explain in Remarks)
Thick Dark Surface (A12)		Redox Depre					
Sandy Mucky Mineral (S		Iron-Mangar			LRR N,		
MLRA 147, 148)	A Marian	MLRA 13	36)			44.5	
Sandy Gleyed Matrix (S4	()	Umbric Surfa					ors of hydrophytic vegetation and
Sandy Redox (S5)		Pledmont Fl					nd hydrology must be present, s disturbed or problematic.
_ Stripped Matrix (S6)		Red Parent	Material (F	21) (MLF	A 127, 14	7) unless	disturbed di problemade.
estrictive Layer (if observ	ed):						1
		-				17-11-2-5-2	W- 1 W-
Type:		_				Hydric Soil Pro	esent? Yes No
Type: Depth (inches):							
Depth (inches):							
Depth (inches):							
Depth (inches):							
Depth (inches):emarks:	2 100	C 10		الممار			
Depth (inches):emarks:	2-100	umy Gile	yed "	Mack	cx.		
Depth (inches):	2-L00	umy Gile	yed !	Mack	CX.		
Depth (inches):	2-100	umy Gile	yed !	Mat:	cx.		
Depth (inches):	2-L00	umy Gile	yed !	Mat	πx		
Depth (inches):	2-100	umy Gile	yed !	Madi	TX.		
Depth (inches):	2-Loo	umy Gile	yed !	Mat:	TX.		
Depth (inches):	2-L00	umy Gile	yed !	Madi			
Depth (inches):	2-100	umy Gile	yed !	Mad:	r.x		
Depth (inches):emarks:	2-L00	umy Gile	yed !	Mat:	CX.		
Depth (inches):emarks:	2-L00	uny Gile	yed !	Ma d	CX.		
Depth (inches):	2-Loo	uny Gile	yed !	Mat:			
Depth (inches):	2-Loo	umy Gile	yed !	Madi			
Depth (inches):	2-L00	umy Gile	yed !	Mad:			
Depth (inches):	2-L00	umy Gile	yed !	Mad:			
Depth (inches):	2-100	umy Gile	yed !	Mad:	CX.		
Depth (inches):	2-L00	umy Gile	yed!	Mad:	CX.		
Depth (inches):emarks:	2-Loo	uny Gile	yed !	Mad:			
Depth (inches):	2-Loo	umy Gile	yed !	Mad:			
Depth (inches):	2-Loo	umy Gile	yed !	Madi			

그 없는 것이 그 없는 것이 없었다면 하면 가게 되었다. 그렇게 그 것으로 그 것이었다는 거죠?	TION DATA FORM - Eastern Mountains and Piedmont Region
Project/Site: Vand Pine Di	City/County: Co Sampling Date: 2/3/1/
Applicant/Owner: A & P	State: D17 Sampling Point: WD 56
Investigator(s): 7.5N./ N.6	Section, Township, Range: Att divised by ass
Landform (hillslope, terrace, etc.): Vulley	Local relief (concave, convex, none): Local relief (concave, convex, none):
Subregion (LRR or MLRA):	at: 34.1389817 Long: -82.72428031 Datum: NAD 85
Soil Map Unit Name: Pope Santa	
Are climatic / hydrologic conditions on the site typics	V
Are Vegetation, Soil _V or Hydrology //	
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site	map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No
Hydric Soil Present? Yes X	No Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes	NoNo
Remarks:	
Sample point (actil	in a nixet decidores forest flood phin
& 5-12-5 as DSS 1	-presabutil to W056-135-CAT2
the state of the s	- 1110-7a a CI
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; che	
Surface Water (A1)	_ True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (C1) Drainage Patterns (B10)
X Saturation (A3)	Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduced iron (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3)	Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Migratoriographic Police (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No	Depth (inches):
Water Table Present? Yes No <	Depth (inches):
Saturation Present? Yes X No	Depth (inches): Wetland Hydrology Present? Yes No
(Includes capitlary fringe)	
N/A	well, serial photos, previous inspections), if available:
Remarks:	
Mee+S A3, D2 4 D	D
110219	
	- j
	;-
	T I
	1.3
	The state of the s

Absolute		Indicator	Dominance Test worksheet:
10	Species?	FACE	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
			Total Number of Dominant
			Species Across All Strata: (B)
		_	Percent of Dominant Species
-		_	That Are OBL, FACW, or FAC: (A/B
-	_	_	Prevalence Index worksheet:
- 10	= Total Cove	er	Total % Cover of: Multiply by:
			OBL species x 1 =
		000	FACW species x2=
90	Yes	TACH	FAC species x 3 =
	4	_	FACU species x4 = UPL species x5 =
	$\overline{}$		Column Totals: (A) (B)
			Column rotals (A) (B)
	$\overline{}$	-	Prevalence Index = B/A =
		S	Hydrophytic Vegetation Indicators:
			Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
30	Total Cove	,	4 - Morphological Adaptations (Provide supporting
20% of t	total cover:_	6	data in Remarks or on a separate sheet)
45	Utc.	-a	Problematic Hydrophytic Vegetation¹ (Explain)
30			
10	- CAA	ALIN	¹ Indicators of hydric soil and wetland hydrology must
16	1/12	2131	be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
			more in diameter at breast height (DBH), regardless of height.
		-	
			Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
			Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
100 -	Total Cover		than 3 in. DBH and greater than or equal to 3.28 ft (1
100 -	Total Cover		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
100 -			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
100 -			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
100 -			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
100 -			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
100 -			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
		20_ 	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
	(10 20% of 20	30 = Total Cover: 20% of total cover: 20% of total cover: 30 = Total Cover: 45 45	30 = Total Cover 20% of total cover: 20 VCS FACE 30 = Total Cover 20% of total cover: 46 VCS FACE 46 PACE 47 PACE

Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc	Texture Remarks
DIG N5/ 95	5 5 1 1 25 C M	- 5aC
Type: C=Concentration, D=Depletion, R Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2)	M=Reduced Matrix, MS=Masked Sand Grains. Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 14	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ 2 cm Muck (A10) (MLRA 147) 47, 148) Coast Prairie Redox (A16)
Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) (LRR N)	Thin Dark Surface (S9) (MLRA 147, 148 Loamy Gleyed Matrix (F2) Pepleted Matrix (F3) Ledox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8)	(MLRA 147, 148) — Piedmont Floodplain Soils (F19) (MLRA 136, 147) — Very Shallow Dark Surface (TF12) — Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N,	Iron-Manganese Masses (F12) (LRR N,	
Thick Dark Surface (A12)		³ Indicators of hydrophytic vegetation and 148) wetland hydrology must be present,
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6)	Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA	³ Indicators of hydrophytic vegetation and 148) wetland hydrology must be present,
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5)	Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA	³ Indicators of hydrophytic vegetation and 148) wetland hydrology must be present,

meets FZ - Loamy Gleyed Matrix

	MINATION DATA FORM	I - Eastern Mounta	ins and Piedmont Region
VASO	e lichge city	County: Sackson	Sampling Date: 8/5//
Applicant/Owner:	N/CP Sec	Asian every	State: Sampling Point: NO53
Investigator(s):	0	tion, Township, Range:_	
Landform (hillslope, terrace, etc.):			one): Slope (%):
Subregion (LRR or MLRA): LALN	Lat: 39, 138	2205 Long:	82.72264HO Deturn: AVAD
Soil Map Unit Name: Pope San	les loan ifice	. flooded	NWI classification:
Are climatic / hydrologic conditions on the sit	typical for this time of year?	Yes X No	(If no, explain in Remarks.)
Are Vegetation, or Hydro			al Circumstances" present? Yes No
	ology N naturally problem		explain any answers in Remarks.)
			ons, transects, important features, etc.
U.S./C. Al. A.	es X No	70000	
[[[] [] [] [] [] [] [] [] []	es No	Is the Sampled Area	
1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999	es No	within a Wetland?	Yes No
		୍ ମ	Valaria V
Scenal point (octo	l in an op-	n low t	oodplain vally t
Solved as 750	1 rcp to	MOST - PE	M-CAT2
HYDROLOGY			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed: check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegeteted Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Od		Drainage Pattems (B10)
Saturation (A3)		res on Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce	ting the company of the contract of the contra	Dry-Season Water Table (C2)
Sediment Deposits (B2)		on in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift Deposits (B3)	Thin Muck Surface (and the contract of the contra	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Rei		Stunted or Stressed Plants (D1)
iron Deposits (B5)			Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			X FAC-Neutral Test (D5)
Field Observations:	ì		
Surface Water Present? Yes N	lo Depth (inches):		
Water Table Present? Yes N	lo C Depth (Inches):		
	lo X Depth (inches):	Wetland F	lydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, pre	evious inspections), If ava	illable:
10/10	Appropriate to the control of		
Remarks:			
	*		
Meets 32,02	a 75		
02,02	7 27		1
			A44
		-	- V
			21

CONTRACTOR OF THE PARTY OF THE	
bsolute Dominant Indicator	Dominance Test worksheet:
6 Cover Species? Status	Number of Dominant Species
	That Are OBL, FACW, or FAC:(A)
	Total Number of Dominant
	Species Across All Strata: (B)
	Percent of Dominant Species
	That Are OBL, FACW, or FAC: (A
	Prevalence Index worksheet:
= Total Cover	Total % Cover of: Multiply by:
	OBL species x1 =
	FACW species x 2 =
	FAC species x3 =
	FACU species x4=
	UPL species x5=
	Column Totals: (A) (E
	Prevalence Index = B/A =
	Hydrophytic Vegetation Indicators:
	Rapid Test for Hydrophytic Vegetation
	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤3.0¹
= Total Cover	
20% of total cover:	4 - Morphological Adaptations [†] (Provide supporti
	data in Remarks or on a separate sheet)
79 75 FACIN	Problematic Hydrophytic Vegetation¹ (Explain)
	¹ Indicators of hydric soil and wetland hydrology must
10 100 000	be present, unless disturbed or problematic.
	Definitions of Four Vegetation Strata:
	Tree - Woody plants, excluding vines, 3 in. (7.6 cm)
	more in diameter at breast height (DBH), regardless of
	height.
	Salla (Shark Manhalanta avaluding dan lasa
	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
	m) tall.
I the a Yestel Course	Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
	or size, and woody plants less than 0.20 it idit.
and an anni and an	Woody vine - All woody vines greater than 3.28 ft in
	height.
	Hydrophytic
	Hydrophytic Vegetation
= Total Cover	
	= Total Cover 20% of total cover: = Total Cover 20% of total cover: Total Cover

Depth	Matrix		th needed to docum	x Feature						
(inches)	Color (moist)	_%_	Color (moist)	%	Type'	Loc2	Texture		Remarks ·	
0-3	W4112	w			to the		1,0			
3-16	10414/2		MARIO	6	-	in				
218	101-11-	_1/	1-1-00	_		-	210			_
				_	-					
						-				
										_
				_						
						_				
								150		
ype: C=Co	encentration, D=Deple	tion, RM=I	Reduced Matrix, MS	-Masked	Sand Gra	ins.	² Location: F	L=Pore Lini	ng, M=Matrix.	
ydric Soil I	ndicators:						Indic	ators for Pr	oblematic Hydric Sol	s³:
_ Histosol			Dark Surface						(10) (MLRA 147)	
	ipedon (A2)		Polyvalue Bel		1 100 1100 1100		148) (Redox (A16)	
_ Black His			Thin Dark Sur			47, 148)		(MLRA 14	A Table to the Control of the Contro	
and the same of the same of the same of	Sulfide (A4)		Loamy Gleyer		F2)		_ F		odplain Soils (F19)	
	Layers (A5) ck (A10) (LRR N)		Depleted Mate	1.50	·C1			(MLRA 13		
1	Below Dark Surface	(A11)	Redox Dark S				The second secon		Dark Surface (TF12)	
	rk Surface (A12)	(A(1)	Depleted Dark Redox Depres				_	iner (Explai	n in Remarks)	
	ucky Mineral (S1) (LR	RN	Iron-Mangane		A CONTRACTOR OF THE PARTY OF TH	DD N				
	147, 148)	4.14,	MLRA 136		25 (1-12) (1	res iv,				
			Interior too	,						
Sandy GI	eved Matrix (S4)		Umbric Surfac	e (F13) (MLRA 136	1221	3lnc	icators of hy	drophytic vegetation a	hd
	eyed Matrix (S4) edox (S5)	-	Umbric Surface			9 1			drophytic vegetation a ouv must be present.	nd
_ Sandy Re			Umbric Surface Piedmont Floo Red Parent M	dplain So	oils (F19) (MLRA 14	B) W6	tland hydrol	ogy must be present,	nd
_ Sandy Re _ Stripped	edox (S5)		Piedmont Floo	dplain So	oils (F19) (MLRA 14	B) W6	tland hydrol		nd
_ Sandy Re _ Stripped i	edox (S5) Matrix (S6)		Piedmont Floo	dplain So	oils (F19) (MLRA 14	B) W6	tland hydrol	ogy must be present,	nd
_ Sandy Re _ Stripped lestrictive Le	edox (S5) Matrix (S6) ayer (if observed):		Piedmont Floo	dplain So	oils (F19) (MLRA 14	B) W6	tland hydrol less disturbe	ogy must be present,	nd
Sandy Re Stripped lestrictive Le Type: Depth (incl	edox (S5) Matrix (S6) ayer (if observed):		Piedmont Floo	dplain So	oils (F19) (MLRA 14	B) we	tland hydrol less disturbe	ogy must be present, ed or problematic.	nd
Sandy Re Stripped lestrictive Le	edox (S5) Matrix (S6) ayer (if observed):		Piedmont Floo Red Parent M	odplain So aterial (F2	oils (F19) (21) (MLRA	MLRA 14	B) we	tland hydrol less disturbe	ogy must be present, and or problematic.	
Sandy Re Stripped lestrictive Le Type: Depth (incl	edox (S5) Matrix (S6) ayer (if observed):		Piedmont Floo Red Parent M	odplain So aterial (F2	oils (F19) (21) (MLRA	MLRA 14	B) we) un Hydric Soil	etland hydrol less disturbe Present?	ogy must be present, and or problematic.	
Sandy Re Stripped lestrictive Le Type: Depth (incl	edox (S5) Matrix (S6) ayer (if observed):	De PI	Piedmont Floo Red Parent M	odplain So aterial (F2	oils (F19) (21) (MLRA	MLRA 14	B) we	etland hydrol less disturbe Present?	ogy must be present, and or problematic.	
Sandy Re_Stripped lestrictive Lastrictive	edox (S5) Matrix (S6) ayer (if observed):	De PI	Piedmant Floc Red Parent M	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re_Stripped (estrictive Lateral	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floo Red Parent M	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14	Hydric Soil	Present?	ogy must be present, and or problematic.	
Sandy Re_Stripped (estrictive Lateral Type:Depth (inclements:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floc Red Parent M	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re_Stripped (estrictive Lateral Type:Depth (inclements:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floc Red Parent M	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re_Stripped (estrictive Lateral Type:Depth (inclements:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floc Red Parent M	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re_Stripped (estrictive Lateral	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floc Red Parent M	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re Stripped (estrictive Li Type: Depth (incl marks:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floc Red Parent M	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re_Stripped (estrictive Lateral	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floc Red Parent M	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re Stripped (estrictive Li Type: Depth (incl emarks:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floc Red Parent M	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re Stripped (estrictive Li Type: Depth (incl marks:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floc Red Parent M	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re_Stripped (estrictive La Type: Depth (incleamarks:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floo Red Parent Mi	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re_Stripped (estrictive Lateral Type:Depth (inclements:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floo Red Parent Mi	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re_Stripped (estrictive Lateral Type:Depth (inclements:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floo Red Parent Mi	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re_Stripped (estrictive La Type: Depth (incleamarks:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floo Red Parent Mi	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re Stripped (estrictive Li Type: Depth (incl emarks:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floo Red Parent Mi	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Re Stripped (estrictive Li Type: Depth (incl marks:	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floo Red Parent Mi	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	
Sandy Resolves Library	edox (S5) Matrix (S6) ayer (if observed):		Piedmant Floo Red Parent Mi	adenial (F:	Dils (F19) (P19) (MLRA	MLRA 14 127, 147	Hydric Soil	Present?	yes Relow	

		Eastern Mountains and Pledmont Region
Project/Site: 1/40 -Pin &	City/Coun	nty: Jackson (0. Sampling Date: 53)
Applicant/Owner:		State: Sampling Point: Sampling Point:
Investigator(s):	Section, 7	Township, Range not Lividully PUSS
Landform (hillslope, terrace, etc.):	Local relief (r	(concave, convex, none): Emance Slope (%): 2
Subregion (LRR or MLRA): LILL	Lat: 39.138787	
Soil Map Unit Name: Pope Saul	1 cam , free cost	U Di al
		\(\(\frac{1}{2}\)
Are climatic / hydrologic conditions on the site	4/	
Are Vegetation, Soll, or Hydrol	A	
Are Vegetation AL, Soil T, or Hydrol	ogy _ * naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach	site map showing sampli	ing point locations, transects, important features, o
Hydrophytic Vegetation Present? Yes	No	the Sampled Area
Hydric Soil Present? Yes	A JAIN	ithin a Wetland?
Wetland Hydrology Present? Yes		
	W057-PFD-0	CAT 2
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two require
Primary Indicators (minimum of one is require	ed: check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B14)) Sparsely Vegetated Concave Surface (B8
High Water Table (A2)	Hydrogen Sulfide Odor (C	
Saturation (A3)	Oxidized Rhizospheres or	
Water Marks (B1)	Presence of Reduced Iron	n (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in	Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3)	Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks	
Iron Deposits (B5)		Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9) Aquatic Fauna (B13)		Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:	_	Z 1 AC-Neutral Test (CO)
Surface Water Present? Yes No	Depth (inches):	
Water Table Present? Yes No		-
	Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, moni	itoring well, aerial photos, previous	s inspections), if available:
Remarks:		
meets B2, DZ	4 D5	
	2	
		4

Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species That Are OBL, FACW, or FAC: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 =	(B)
That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet:	(B) (A/B
Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: OBL species	(B) (A/B
Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: OBL species	(A/B
Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: OBL species	(A/B
Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 =	(A/B
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That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of:	(B)
Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species	(B)
Total % Cover of: Multiply by: OBL species	(B)
Total % Cover of: Multiply by: OBL species	(B)
OBL species x 1 =	(B)
FACU species	(B)
FACW species x 2 =	(B)
FAC species x 3 =	(B)
FACU species x 4 =	(B)
UPL species x 5 =	(B
Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide sudata in Remarks or on a separate shee Problematic Hydrophytic Vegetation¹ (Exp	(B
Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide sudata in Remarks or on a separate shee Problematic Hydrophytic Vegetation¹ (Exp	(B
Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide sudata in Remarks or on a separate shee Problematic Hydrophytic Vegetation¹ (Exp	upportir
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Problematic Hydrophytic Vegetation ¹ (Exp	
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71	
Indicators of hydric soll and wedand dydrology	/ must
he present, unless disturbed or problematic.	
281	
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Seellas/Sharb Woody plants evaluding vine	e leee
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III) tali.	
Herb - All herbaceous (non-woody) plants rec	amles
of size and woody plants less than 3.28 ft tall.	,0.00
14	
Woody vine - All woody vines greater than 3.5	28 ft in
/	
Hydrophytic	
Property Ves / No	
er:	
v cv	Tree – Woody plants, excluding vines, 3 in. (7.4 more in diameter at breast height (DBH), regard height. Sapling/Shrub – Woody plants, excluding vine than 3 in. DBH and greater than or equal to 3.2 m) tall. Herb – All herbaceous (non-woody) plants, reg of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.2 height. Hydrophytic Vegetation

Profile Desc							ure absence			
Depth (inches)	Color (moist)	%		x Features		1 - 2	T-100		D	
70 000	INA CAM	20	Color (moist)	- %	Type'	Loc2	Texture_		Remarks	
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vpe: C=Cor	centration, D=Deple	ion RM=	Reduced Matrix MS	S=Maekad S	Sand Gra	ine	24 postlon: Di	=Doro I In	ing, M=Matrix.	
dric Soll In	dicators:	JULI TUM	AUGUCOU IVIAUIX, IVIC	- Masked	Janu Gra	uits.			roblematic H	
_ Histosol (/			Dark Surface	(87)						
	pedon (A2)		Polyvalue Bel		(58) (38)	I DA 147			(A10) (MLRA 1	
_ Histic Epip _ Black Hist	• •		Polyvalue Bel						e Redox (A16)	
	Sulfide (A4)		Loamy Gleye			+1, 140)		(MLRA 14		/E40\
	ayers (A5)		Depleted Mat		د)				oodplain Soils	(F19)
	- • •	•	Redox Dark S		\			(MLRA 13		(TE40)
2 cm Mucl	(ATII) // DD NI			Sunace Iro)		Ve	ery Snallov	v Dark Surface) (TF12)
	k (A10) (LRR N) Below Dark Surface (A11)			E 7 \		-	h /C) -		
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14 D. 7 1	ORM - Eastern Mountains and Piedmont Region
Project/Site: Vigo - Piu Zidgo	City/County: SMKSpn, CO Sampling Date: 3/3//X
Applicant/Owner: V 185 H2 P	State: 017 Sampling Point: WOSS W
Investigator(s): P.5M / NL P	Section, Township, Range: Not divided by 1693 NOS
Landform (hillslope, terrace, etc.): Vully Lo	ocal relief (concave, convex, none): Wonv Slope (%):
Subregion (LRR or MLRA): Lat: 39, 131	6545 Long: - 82,70312348 Datum: AMDSZ
Soil Map Unit Name: Pope 5 mly Cours.	Free Floorld NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of ye	0
Are Vegetation, Soil, or Hydrology significantly	
Are Vegetation, Soil, or Hydrology naturally pro	oblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	sampling point locations, transects, important features, etc.
Upland rep to MOSG-PFO-CAT2	Is the Sampled Area within a Wetland? Yes No Y HTMODY NOSG-PSS-CIAT2 TO NOST-PEM-CIATZO cutch
HYDROLOGY	rising for
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Pl	
High Water Table (A2) Hydrogen'Sulfic	4 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1
	spheres on Living Roots (C3) Moss Trim Lines (B16)
	educed Iron (C4) Dry-Season Water Table (C2)
[Parastrick of Table 1, 1980,	duction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surfa	
Algal Mat or Crust (B4) Other (Explain i	NOW A 18 18 18 18 18 18 18 18 18 18 18 18 18
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches)	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	: Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos	s, previous inspections), if available:
Remarks:	
meets D2 - only 1 second recriteria for wetland h	ndary indicator does not meet

WOSE NOSGO VEGETATION (Four Strata) - Use scientific names of plants. Sampling Point: WOS Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species 33,33 That Are OBL, FACW, or FAC: Prevalence Index worksheet: Multiply by: Total % Cover of: = Total Cover **OBL** species 50% of total cover: _ 20% of total cover: 10 Sapling/Shrub Stratum (Plot size: 162 **FACW** species **FAC** species 140 **FACU** species 20 00 **UPL** species Column Totals: one observed Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 = Total Cover 4 - Morphological Adaptations1 (Provide supporting 50% of total cover: 20% of total cover: data in Remarks or on a separate sheet) Herb Stratum (Plot size: Problematic Hydrophytic Vegetation¹ (Explain) FAL 10 NO ports esculutus FALW Indicators of hydric soil and wetland hydrology must glomorate 20 FALN be present, unless disturbed or problematic. 20 Definitions of Four Vegetation Strata: 0 Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. = Total Cover 20% of total cover: 50% of total cover: 4),5 Woody vine - All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: height. Hydrophytic Vegetation Present? = Total Cover 50% of total cover: 20% of total cover: Remarks: (Include photo numbers here or on a separate sheet.)

Upland regetation is dominant

Blog

Sampling Point: WOSS, WOS6

Depth Matrix	oth needed to document the indicator or confirm Redox Features	unduring of find	
(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture	Remarks
0-18 10724/3 160		Sul	
			u u
			
Town Co-Commutation DeBoulettes DM	-Dadward Makilia MC-Marked Cond Circles	24 positions DI -Doro	Lining M-Motriy
lydric Soil Indicators:	=Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore	or Problematic Hydric Soils ³ :
Histosol (A1)	Dark Surface (S7)		ick (A10) (MLRA 147)
Histic Epipedon (A2)	Polyvalue Below Surface (S8) (MLRA 147,		rairie Redox (A16)
Black Histic (A3)	Thin Dark Surface (S9) (MLRA 147, 148)		A 147, 148)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		nt Floodplain Soils (F19)
_ Stratified Layers (A5)	Depleted Matrix (F3)		A 136, 147)
2 cm Muck (A10) (LRR N) Depleted Below Dark Surface (A11)	 Redox Dark Surface (F6) Depleted Dark Surface (F7) 		allow Dark Surface (TF12) xplain in Remarks)
Thick Dark Surface (A11)	Redox Depressions (F8)	01161 (2	Apidin in Nemarka)
Sandy Mucky Mineral (S1) (LRR N,	Iron-Manganese Masses (F12) (LRR N,		
MLRA 147, 148)	MLRA 136)		
_ Sandy Gleyed Matrix (S4)	Umbric Surface (F13) (MLRA 136, 122)		of hydrophytic vegetation and
_ Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 14	(8) wetland h	ydrology must be present,
Sandy Redox (S5) Stripped Matrix (S6)		(8) wetland h	
Sandy Redox (S5) Stripped Matrix (S6) Restrictive Layer (if observed):	Piedmont Floodplain Soils (F19) (MLRA 14	(8) wetland h	ydrology must be present,
Sandy Redox (S5) Stripped Matrix (S6) Restrictive Layer (if observed): Type:	Piedmont Floodplain Soils (F19) (MLRA 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) testrictive Layer (if observed): Type: Depth (inches):	Piedmont Floodplain Soils (F19) (MLRA 14	(8) wetland h	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) Restrictive Layer (if observed): Type:	Piedmont Floodplain Soils (F19) (MLRA 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) testrictive Layer (if observed): Type: Depth (inches): temarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) testrictive Layer (if observed): Type: Depth (inches):	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) testrictive Layer (if observed): Type: Depth (inches): temarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) restrictive Layer (if observed): Type: Depth (inches): remarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches): emarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches): emarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches): emarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches): emarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) restrictive Layer (if observed): Type: Depth (inches): remarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches): emarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) Restrictive Layer (if observed): Type: Depth (inches): Remarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) restrictive Layer (if observed): Type: Depth (inches): remarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches): emarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.
Sandy Redox (S5) Stripped Matrix (S6) estrictive Layer (if observed): Type: Depth (inches): emarks:	Piedmont Floodplain Soils (F19) (MLRA 14 Red Parent Material (F21) (MLRA 127, 14	(88) wetland h (7) unless dis	ydrology must be present, sturbed or problematic.

	#0 - Pin u Pidae	City/County:	sampling Date: 8/8/17
Applicant/Owner:	AZP		State: DY Sampling Point W058-
Investigator(s):	BESIN/NG?	Section, Township, Rang	
Landform (hillslope, terrace,	Le VI	Local relief (concave, conve	
	(10 0	- > ACITIA	Dampara Mine
Subregion (LRR or MLRA):		1 // /	
Soil Map Unit Name:		m, treg. Hood	grin
	ditions on the site typical for this time		(If no, explain in Remarks.)
Are Vegetation, Soil	or Hydrology signific	cantly disturbed? Are "No	ormal Circumstances" present? Yes No
Are Vegetation, Soil	Y. or Hydrology nature	ally problematic? (If need	ded, explain any answers in Remarks.)
SUMMARY OF FIND	NGS – Attach site map sho	wing sampling point lo	cations, transects, important features, etc.
Hydrophytic Vegetation Pro Hydric Soil Present? Wetland Hydrology Presen	Yes No	is the Sampled A within a Wetland	
PEM rug	+ locatel in an to WO 58-PE	M-CATMODE	plain of sorver as 4
HYDROLOGY			
Wetland Hydrology Indica	ators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimu	m of one is required; check all that a	oply)	Surface Soil Cracks (B6)
Surface Water (A1)	True Aqua	atic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen	Sulfide Odor (C1)	Drainage Patterns (B10)
Saturation (A3)	Oxidized I	Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1)	Presence	of Reduced Iron (C4)	Dry-Season Water Table (C2)
Sediment Deposits (B2	e) Recent Inc	on Reduction in Tilled Soils (C6)	[16] (
Drift Deposits (B3)		Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algai Mat or Crust (B4)	_ Other (Ex	plain in Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	orial (manage (DZ))		Security Assistant (D2)
 Inundation Visible on A Water-Stained Leaves 			Shallow Aquitard (D3)
Aquatic Fauna (B13)	(65)		Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:			- The Health Feet (20)
Surface Water Present?	Yes No Depth (in	ches):	
Water Table Present?	Yes No Depth (in		/
Saturation Present? (includes capillary fringe)	Yes No Depth (in		and Hydrology Present? Yes No
Describe Recorded Data (st	tream gauge, monitoring well, aerial	photos, previous inspections), i	f available:
Remarks:		SH.	
Monts BZ	DZ 4 D5		
	144-15-15 P		
			() N
			34

VEGETATION (Four Strata) - Use scientific names of plants. Sampling Point: NO58-PEM Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status **Number of Dominant Species** That Are OBL, FACW, or FAC: **Total Number of Dominant** Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: = Total Cover OBL species x1= 50% of total cover: 20% of total cover: x2=__ FACW species Sapling/Shrub Stratum (Plot size: FAC species x3= FACU species UPL species _ x5=_ Column Totals: UVSOCVU Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2.- Dominance Test is >50% 3 - Prevalence Index is ≤3.01 = Total Cover 4 - Morphological Adaptations (Provide supporting of total cover: 20% of total cover: data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 10. m) tall. Herb - All herbaceous (non-woody) plants, regardless = Total Cover of size, and woody plants less than 3.28 ft tall. 50% of total cover: Woody vine - All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: height. plotorus Hydrophytic Vegetation Present? = Total Cover 50% of total cover: _ 20% of total cover:_ Remarks: (Include photo numbers here or on a separate sheet.) Hydrophytic vegetation is dominant

Depth Matrix	pth needed to document the Indicator or confirm Redox Features	
(inches) Color (molet) %	Color (moist) % Type¹ Loc²	Texture Remarks
5-4 ING 1/3 WO		ral
4-15 1070-472 (19)		5aL
	·————	
	·	· · · · · · · · · · · · · · · · · · ·
	#=Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
lydric Soil Indicators:	D-7-0.157.40	Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Histic Epipedon (A2)	Dark Surface (S7)	2 cm Muck (A10) (MLRA 147)
Black Histic (A3)	Polyvalue Below Surface (S8) (MLRA 147, Thin Dark Surface (S9) (MLRA 147, 148)	148) Coast Prairie Redox (A16) (MLRA 147, 148)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19)
Stratified Layers (A5)	Depleted Matrix (F3)	(MLRA 136, 147)
_ 2 cm Muck (A10) (LRR N).	Redox Dark Surface (F6)	Very Shallow Dark Surface (TF12)
_ Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	Other (Explain in Remarks)
_ Thick Dark Surface (A12)	Redox Depressions (F8)	
Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)	Iron-Manganese Masses (F12) (LRR N,	
_ Sandy Gleyed Matrix (S4)	MLRA 136) Umbric Surface (F13) (MLRA 136, 122)	3Indicators of hydrophytic vegetation and
_ Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 14	
Stripped Matrix (S6)	Red Parent Material (F21) (MLRA 127, 147	그렇게 하는 아니는 아니는 아이들은 아이들이 가지 않는 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들
estrictive Layer (if observed):		
Type:		
Depth (Inches):		Hydric Soil Present? Yes K
emarks:	->	A CALL STATE OF THE STATE OF TH
	taken in an active	floodplain +
- Sumple point was	taken in an action	
		1
signs of recent	4 frequent sedim un	Ac 200113
0	U	
0		
Observet.		
,		
2		
		4
		•
<i>y</i>		•

	- Eastern Mountains and Piedmont Region
Project/Site: Veno- Pine Lidge City/O	county: Jackson Co Sampling Date: 03/1/
Applicant/Owner:	State: 0/1 Sampling Point: \\\(\(\) \(\) \(\)
Investigator(s): Bom /NGP Section	on, Township, Range: Not divilal by PLSS
	ief (concave, convex, none): Slope (%):D
Subregion (LRR or MLRA): Luk N Lat: 34, 13800	25 Long: -82.7219(138 Deturn: /apa)
Soil Map Unit Name: Pope Sanhy loams freg. Al	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Y	res No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation	atic? (If needed, explain any answers in Remarks.)
	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present?	is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No No	
Sumple point looth in a floodphi	1: Weller & cours & as a
Starles Live III of Live I	35.0
PFO rup to WO58-PFO-CAT	MODI
110 10 10 10 MAD 3 110 OUT	MOVE
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Hydrogen Sulfide Od	
	es on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent iron Reduction	
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Rer	Geomorphic Position (D2)
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Y Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
Meet 32, B3, D2 + D5	
Media of the	
(1)	
	Per Control of the Co

EGETATION (Four Strata) – Use scientific na			1	Sampling Point: NO58-
ee Stratum (Ptot size: 30%)	Absolute	Dominant Seesing?		Dominance Test worksheet:
		Species?		Number of Dominant Species
teer 18gunda	30	405	PAC	That Are OBL, FACW, or FAC:(A)
Plantanus occidentalis	40	405	FACW	Total Number of Dominant
		0		Species Across All Strata: (B)
				(5)
		_	-	Percent of Dominant Species
		_		That Are OBL, FACW, or FAC: (A/B)
			_	
				Prevalence Index worksheet:
	70	T-1-10		Total % Cover of: Multiply by:
		Total Cove		OBL species x 1 =
50% of total cover:	_ 20% or	total cover.		
iling/Shrub Stratum (Plot size: 15%)			_	FACW species x 2 =
ofter marado	10	45	+A-C	FAC species x3 =
		V		FACU species x4 =
			_	UPL species x 5 =
				Column Totals: (A) (B)
				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
- 3	11		-/	3 - Prevalence Index is ≤3.0¹
and the second s		Total Cove		4 - Morphological Adaptations1 (Provide supporting
50% of total cover:5	_ 20% of	total cover:_	0	data in Remarks or on a separate sheet)
Stratum (Plot size:	44.00			
Care gray:	40	405	FACW	Problematic Hydrophytic Vegetation¹ (Explain)
by schromathia rummer love	35	45	OBL	
	20			¹ Indicators of hydric soil and wetland hydrology must
vitica diving		NAO_	FALU	be present, unless disturbed or problematic.
Aurianonia Strinth	16_	_Un_	FAW	Definitions of Four Vegetation Strata:
		. •		
				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of
				height
				Sapling/Shrub - Woody plants, excluding vines, less
			_	than 3 in. DBH and greater than or equal to 3.28 ft (1
				m) tall.
	_			Herb - All herbaceous (non-woody) plants, regardless
	105	Total Cove		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 52.5	20% of 1	otal cover:		
7.1.4				Woody vine - All woody vines greater than 3.28 ft in
dy Vine Stratum (Plot size:)				height.
· Name observed				
N			_	
	_			Hydrophytic
				Vegetation
		Total Cove	r	Present? Yes No
50% of total cover:		otal cover.		
		Otal COVE		
narks: (Include photo numbers here or on a separate shi	set.)			
		- 0.		
Hydrophytic vegetatio	ii ox	s dar	nin	N +
9		- 100	11110	4

Depth	cription: (Describe to Matrix			x Feature:	3			
inches)	Color (moist)		olor (moist)			Loc2	Texture	Remarks
0-4	10 TH 4/3	100					Surly loan	
1.11		100					Suly lower	
1-16	10-16-11-5	100		-	_	_		
		100						
				300				
_					-			
					_			
ype: C=C	oncentration, D=Deplet	ion, RM=Red	uced Matrix, MS	=Masked	Sand Gra	ins.	² Location: PL=Pore I	
	Indicators:						Indicators for	Problematic Hydric Solls ³ :
_ Histosol	(A1)		_ Dark Surface	(S7)			2 cm Muc	k (A10) (MLRA 147)
_	pipedon (A2)		Polyvalue Bel		ce (S8) (M	LRA 147,		irie Redox (A16)
	ístic (A3)		Thin Dark Su					147, 148)
	en Sulfide (A4)		_ Loamy Gleye			-	Piedmont	Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat				-	136, 147)
_	uck (A10) (LRR N)		Redox Dark S	Surface (F	6)		Very Shal	low Dark Surface (TF12)
_ Deplete	d Below Dark Surface (A11)	Depleted Dar	k Surface	(F7)		Other (Ex	plain in Remarks)
_ Thick Da	ark Surface (A12)	_	Redox Depre					
_ Sandy N	flucky Mineral (S1) (LRI	R N,	_ Iron-Mangane	se Masse	es (F12) (I	.RR N,		
_	A 147, 148)		MLRA 136	5)				
_ Sandy G	Gleyed Matrix (S4)	_	Umbric Surfac	ce (F13) (MLRA 13	6, 122)		f hydrophytic vegetation and
_	Redox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14		drology must be present,
Stripped	Matrix (S6)		Red Parent M	laterial (F	21) (MLR	A 127, 147	7) unless distr	urbed or problematic.
estrictive	Layer (if observed):							
Туре:								
Depth (in	ches):						Hydric Soil Present	1? Yes No
emarks:						-		
emains.			11 1		1.	4.	flools	· les es es
-1	me point	- 120	into 1	1	+ 16 9	urkliy	V LOOPS	TOTACE
DM	when boing	10.			C	•		
	,	. , 4	- 1	4		Lecu	ntions a	st Sediment
145	ouc Sub	flick	C1001	- Q	- 0		, ,	
	30.0						1. 0	- • 1
	posits in	- fi		0		na - <+	. Yhut s	50.15
de	posits in	+14	uktla	id.	509	14021	, , ,	
			i		V.			
		•	ently .	10000	5:1-1			
(LA	iv beca	100	that A	acpo.				
VCD	.,		,	•				

WETLAND DETERMINATION DATA FORM	Eastern Mountains and Piedmont Region
Project/Site: 1100 - Pinc Ridge City	County: Jackson Two Jacks Sampling Date: 8/3/17
Applicant/Owner: AFP	State: 6 Sampling Point: W059-P
	tion, Township, Range: NO PLSS
	ellef (concave, convex, none): CONCAVE Slope (%): 2
Subregion (LRR or MLRA): LR R IV Lat: 39 13 795	이 이 없는 이 집에 되었다. 나는 이 이 이 사람들은 아이를 가는 것이 되었다. 그는 그들은 그는 그를 가는 것이 되었다. 그는 그를 가는 것이 없는 것이 없는 것이 없는 것이다.
Soil Map Unit Name: Fooe Sandy Loans freque	
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation N, Soil N, or Hydrology N significantly distu	
Are Vegetation N, Soil N, or Hydrology N naturally problem	
뭐 하다 하는데 있다면 그렇게 하는데 한 생각이 하는데 하다 하다. 그런데 누워 없는데	
SUMMARY OF FINDINGS - Attach site map showing sa	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? YesX No YesX No	Is the Sampled Area within a Wetland? Yes No
Remarks:	edplain valley + serves as a
sample point located in a floor	ethall rathed , sealing as a
PFO 100 40 WOS9 - PFO	3-CAT2
THE TEP 10 100 51 111	J - 11,1 =
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide O	: Call (Charles)
	eres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	: B. H.
	tion in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface	(C7) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Rellef (D4)
Aquatic Fauna (B13)	✓ FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (Inches):	
Water Table Present? Yes NoX Depth (inches):	
Saturation Present? Yes No _X Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes V No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	revious inspections), if available:
Remarks:	
Meet 2 32, DZ & D5	

VEGETATION (F	our Strata) - I	Jse scientific	names of	plants.
----------------------	-----------------	----------------	----------	---------

2 4 5	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 P) 1. Populus de Hondes	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. Salix nigra	15	4	FACW	Total Number of Dominant
3. Platniss oxidentalis		4	FAL	Species Across All Strata: (B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6			-	Prevalence Index worksheet:
7	105	= Total Cov	or	Total % Cover of: Multiply by:
50% of total cover: 32	6 20% of	total cover:	13	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15 (2)		3,44,44,171		FACW species x 2 =
1. Acer rubrum	10	4	FAC	FAC species x 3 =
2				FACU species x 4 =
3				UPL species x 5 =
3,				Column Totals: (A) (B)
5,				Drovalence Index - B/A -
5.				Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
3.				2 - Dominance Test is >50%
9.				
	10	= Total Cov	er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover:	20% of	total cover:	2	4 - Morphological Adaptations¹ (Provide supporting
Herb Stratum (Plot size: 5 2)				data in Remarks or on a separate sheet)
1. Cinna arundinarpa	30	1	FACIN	Problematic Hydrophytic Vegetation¹ (Explain)
2. Pila pumila		4	FACW	
		N	FACW	¹ Indicators of hydric soll and wetland hydrology must be present, unless disturbed or problematic.
3. Salidingo gigantaa 4. Naromonia Striate	10	N	FALU	
5. Uttira diria	15	N	FACU	Definitions of Four Vegetation Strata:
6			V	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
B			_	neight.
9		_		Sapling/Shrub – Woody plants, excluding vines, less
10.				than 3 in, DBH and greater than or equal to 3.28 ft (1 m) tall.
11.		-		
50% of total cover: 17.		= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 3000)	<u></u>	total cover:	1 1	Woody vine – All woody vines greater than 3.28 ft in height.
None Observed			_	
		-		
0	_	7		
*		-	_	Hydrophytic
D		+		Vegetation Present? Yes V No
50% of total cover:	17 - 27 - 27 - 27 - 27	 Total Cov total cover: 		100
Remarks: (Include photo numbers here or on a separate		lotal cover.		
Hydrophyt C Vegetatio		E 0	DW I	CA

Depth	Matrix					or confirm	n the absence of in	idicators.)	
(inches)	Color (moist)	_%	Color (moist)	x Features %	Type ¹	Loc ²	Texture	Remarks	
5-4	10425/4	100					SIL	*****	
4-110	1041241/2	600	10485/4	90	C	M	- 1		
				1					
						$\overline{}$			
				_		_			
			$\overline{}$	-		_			
		_		_		_			
		-							
				-					
ype: C=C	Concentration, D=Depl	etion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ins.	² Location: PL=Po	ore Lining, M=Matrix.	
ydric Soll	Indicators:							for Problematic Hydi	ic Soils3:
_ Histoso			Dark Surface	(S7)			2 cm l	Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				148) Coast	Prairie Redox (A16)	
	listic (A3) en Sulfide (A4)		Thin Dark Su			47, 148)		RA 147, 148)	101
The second secon	d Layers (A5)		Loamy Gleye Depleted Ma		-2)			ont Floodplain Solls (F .RA 136, 147)	19)
	uck (A10) (LRR N)		Redox Dark		6)			Shallow Dark Surface (1	F12)
	d Below Dark Surface	(A11)	Depleted Da					(Explain in Remarks)	. , /
	ark Surface (A12)		Redox Depre						
	Mucky Mineral (S1) (Li	RR N,	Iron-Mangan		es (F12) (I	RR N,			
	A 147, 148) Gleyed Matrix (S4)		MLRA 13 Umbric Surfa	A second second	MI DA 12	4 122)	3Indicato	rs of hydrophytic veget	ation and
	Redox (S5)		Piedmont Flo					hydrology must be pre	
	d Matrix (S6)		Red Parent N					disturbed or problemati	
estrictive	Layer (if observed):								
COU ICLIVE									
Type:	- 3/0/20 - 3/0/20		_						
	- 3/0/20 - 3/0/20						Hydric Soil Pres	sent? Yes X	No
Type: Depth (in	- 3/0/20 - 3/0/20						Hydric Soil Pres	sent? Yes X	No
Type: Depth (in emarks:	ches);		3				Hydric Soil Pres	sent? Yes X	No
Type: Depth (in emarks:	ches);	- D	= eo1e+al	Ma	+1:1		Hydric Soil Pres	sent? Yes X	No
Type: Depth (in emarks:	- 3/0/20 - 3/0/20	- D	epie+al	Ma	+1:1		Hydric Soil Pres	sent? Yes X	No
Type:	ches):			Ma			Hydric Soil Pres	sent? Yes X	No
Type: Depth (in- emarks:	ches);						Hydric Soil Pres	sent? Yes X	No
Type: Depth (in- emarks:	ches):						Hydric Soil Pres	sent? Yes X	No
Type:	ches):						Hydric Soil Pres	sent? Yes X	No
Type:	ches):						Hydric Soil Pres	sent? Yes X	No
Type:	ches):						Hydric Soil Pres	sent? Yes X	No
Type:	ches):						Hydric Soil Pres	sent? Yes X	No
Type:	ches):						Hydric Soil Pres	sent? Yes X	No
Type:	ches):						Hydric Soil Pres	sent? Yes X	No
Type:	ches):						Hydric Soil Pres	sent? Yes X	No
Type: Depth (in- emarks:	ches):						Hydric Soil Pres	sent? Yes X	No
Type: Depth (in- emarks:	ches):						Hydric Soil Pres	sent? Yes X	No
Type: Depth (in- emarks:	ches):						Hydric Soil Pres	sent? Yes X	No
Type:	ches):						Hydric Soil Pres	sent? Yes X	No
Type: Depth (in emarks:	ches):						Hydric Soil Pres	sent? Yes X	No
Type: Depth (in emarks:	ches):						Hydric Soil Pres	sent? Yes X	No
Type: Depth (in emarks:	ches):						Hydric Soil Pres	sent? Yes X	No

		Mountains and Piedmont Region
Project/Site: Viso - Pin al dae	City/County: Ja	CKSON Co. Sampling Date: 2/7//
Applicant/Owner: 046P		State: OY Sampling Point: WOLDO
Investigator(s): BSW / NCT	Section, Township,	O . Di
Landform (hillslope, terrace, etc.):	Local relief (concave, c	convex, none): /pww/ Slope (%): 2
Subregion (LRR or MLRA); LPL La	139, 1371708	Long: -82, 72170065 Datum: NAD5>
0	un, trequently flor	
Are climatic / hydrologic conditions on the site typical	1 0	
Are Vegetation, Soil, or Hydrology	A /	re "Normal Circumstances" present? Yes No
	11	
Are Vegetation for Hydrology		f needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site	nap showing sampling poin	t locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soll Present? Wetland Hydrology Present? Yes Yes	No Is the Samp within a Wes	
Remarks:		
Sample point local	at on aly of	residential luna +
		Omis a 1/2
GUVIS AS PEM	rcp to W000-	DEMI-CHIWODS
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required: chec	k all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Saturation (A3)	Oxidized Rhizospheres on Living Ro	oots (C3) Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduced Iron (C4)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in Tilled Soils	s (C6) Crayfish Burrows (C8)
Drift Deposits (B3)	Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)		Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)		Microtopographic Relief (D4)
Aquatic Fauna (B13)		FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No ×	Depth (inches):	14
Water Table Present? Yes No	Depth (Inches):	- +
Saturation Present? Yes No ilincludes capillary fringe)	Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring v	well, aerial photos, previous inspection	ons), if available:
NIA		
Remarks:		
Meets B2, D2 4	DS	The state of the s
02, 02 +		
100		

/EGETATION (Four Strata) – Use scientific n	A1	Danalasast	Indianter	Dominance Test worksheet:
Tree Stratum (Plot size:		Dominant Species?		Carly of Day
Tree Stratum (Plot size:)	76 COVAI	<u>эреиезт</u>	Clatus	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
				and the second s
				Total Number of Dominant Species Across All Strata: (B)
None observed				
				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6			_	That Are OBL, FACW, or FAC: (A/B
8		_	_	Prevalence Index worksheet:
7,		_		Total % Cover of: Multiply by:
		= Total Cov		OBL species x1 =
50% of total cover:	20% of	total cover:		
Sapling/Shrub Stratum (Plot size: 1517)				FACW species x 2 =
•				FAC species x 3 =
				FACU species x 4 =
				UPL species x 5 =
, , , , , , , , , , , , , , , , , , , ,			-	Column Totals: (A) (B)
None Object of				
				Prevalence Index = B/A =
			_	Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
<u> </u>				2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.01
	:	= Total Cov	er	4 - Morphological Adaptations¹ (Provide supportin
50% of total cover:	20% of	total cover:		
lerb Stratum (Plot size:)				data in Remarks or on a separate sheet)
The live of May Linacia	10	No	FALW	Problematic Hydrophytic Vegetation ¹ (Explain)
CYPHUS CSCILLES	20	925	FAL.	
3. Carex Ivida	60	445	OBL	Indicators of hydric soil and wetland hydrology must
		-	011-	be present, unless disturbed or problematic.
l				Definitions of Four Vegetation Strata:
		-		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) o
3			_	more in diameter at breast height (DBH), regardless of
				height.
3,				Sapling/Shrub - Woody plants, excluding vines, less
				than 3 in. DBH and greater than or equal to 3.28 ft (1
0.				m) tall.
	70.00			
1,	an.	Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u></u>	2084 05	total cover:		or size, and woody planto toos alan olze it all
	_ 20,4 0	total sover.	-	Woody vine - All woody vines greater than 3.28 ft in
Voody Vine Stratum (Plot size:				height.
17 -1				(8)
Viene observer				
		_		Hydrophytic
				Vegetation
		= Total Cov	er	Present? Yes No
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s				
		Ham	· No. M	
Hydrophytic vegetation	1 10	C (C) + 1	TI (CCT)	
Hydrophytic vegetation	1 12	C (CN)		
Hydrophytic vegetation		C (LN F)		

Depth Matrix inches Color (moist) %	Color (moist)	Features		exture	Remarks
2-12 10 4 4/2 Bo		10 -		L	
		——			
					•
			==		
pe: C=Concentration, D=Depletion, RM:	=Reduced Matrix, MS	-Masked Sand Grai	ns. ² Loc	ation: PL=Pore L	ining, M=Matrix. Problematic Hydric Soils
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) (LRR N)		ow Surface (S8) (ML face (S9) (MLRA 14 Matrix (F2) ix (F3)		Coast Prai (MLRA Piedmont I (MLRA	(A10) (MLRA 147) rie Redox (A16) 147, 148) Floodplain Soils (F19) 136, 147) ow Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Depleted Dark	Surface (F7)			lain in Remarks)
Thick Dark Surface (A12)	Redox Depres		DD N		
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5)	Iron-Manganes MLRA 136) Umbric Surface Piedmont Floo	se Masses (F12) (LI) e (F13) (MLRA 136, dplain Soils (F19) (M	, 122) MLRA 148)	wetland hyd	hydrophytic vegetation and rology must be present,
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) trictive Layer (if observed):	Iron-Manganes MLRA 136) Umbric Surface Piedmont Floo	se Masses (F12) (Li) e (F13) (MLRA 136 ,	, 122) MLRA 148)	wetland hyd	
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N,	Iron-Manganes MLRA 136) Umbric Surface Piedmont Floo	se Masses (F12) (LI) e (F13) (MLRA 136, dplain Soils (F19) (M	, 122) MLRA 148) 127, 147)	wetland hyd unless distu	rology must be present, roed or problematic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) trictive Layer (if observed): type:	Iron-Manganes MLRA 136) Umbric Surface Piedmont Floo	se Masses (F12) (LI) e (F13) (MLRA 136, dplain Soils (F19) (M	, 122) MLRA 148) 127, 147)	wetland hyd	rology must be present, roed or problematic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) trictive Layer (If observed): type: tepth (inches):	Iron-Manganes MLRA 136) Umbric Surface Piedmont Floo Red Parent Ma	se Masses (F12) (LI) e (F13) (MLRA 136, dplain Soils (F19) (M	, 122) MLRA 148) 127, 147)	wetland hyd unless distu	rology must be present, roed or problematic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) trictive Layer (If observed): type: epth (inches): arks:	Iron-Manganes MLRA 136) Umbric Surface Piedmont Floo Red Parent Ma	se Masses (F12) (LI) e (F13) (MLRA 136, dplain Soils (F19) (M sterial (F21) (MLRA	, 122) MLRA 148) 127, 147)	wetland hyd unless distu	rology must be present, roed or problematic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) trictive Layer (If observed): type: epth (inches): arks:	Iron-Manganes MLRA 136) Umbric Surface Piedmont Floo Red Parent Ma	se Masses (F12) (LI) e (F13) (MLRA 136, dplain Soils (F19) (M sterial (F21) (MLRA	, 122) MLRA 148) 127, 147)	wetland hyd unless distu	rology must be present, roed or problematic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) trictive Layer (If observed): type: epth (inches): arks:	Iron-Manganes MLRA 136) Umbric Surface Piedmont Floo Red Parent Ma	se Masses (F12) (LI) e (F13) (MLRA 136, dplain Soils (F19) (M sterial (F21) (MLRA	, 122) MLRA 148) 127, 147)	wetland hyd unless distu	rology must be present, roed or problematic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) trictive Layer (If observed): type: tepth (inches):	Iron-Manganes MLRA 136) Umbric Surface Piedmont Floo Red Parent Ma	se Masses (F12) (LI) e (F13) (MLRA 136, dplain Soils (F19) (M sterial (F21) (MLRA	, 122) MLRA 148) 127, 147)	wetland hyd unless distu	rology must be present, roed or problematic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) trictive Layer (If observed): type: tepth (inches):	Iron-Manganes MLRA 136) Umbric Surface Piedmont Floo Red Parent Ma	se Masses (F12) (LI) e (F13) (MLRA 136, dplain Soils (F19) (M sterial (F21) (MLRA	, 122) MLRA 148) 127, 147)	wetland hyd unless distu	rology must be present, roed or problematic.
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) trictive Layer (If observed): type: bepth (inches):	Iron-Manganes MLRA 136) Umbric Surface Piedmont Floo Red Parent Ma	se Masses (F12) (LI) e (F13) (MLRA 136, dplain Soils (F19) (M sterial (F21) (MLRA	, 122) MLRA 148) 127, 147)	wetland hyd unless distu	rology must be present, roed or problematic.

1.24	IATION DATA FORM - Easter	n Mountains and Piedmo	ont Region
Project/Site: Pina	Ridge City/County:	ackson Co	Sampling Date: 8/3/1)
Applicant/Owner: A 2 P	8	State: orT	Sampling Point: 1000-
Investigator(s): NGP 7530	Section, Townsh	ip, Range: Pot divido	l by plss
Landform (hillslope, terrace, etc.):	A Local relief (concav	e, convex, none): Contw	Slope (%);
Subregion (LRR or MLRA):	Lat: 39. 1372015	Long: -32.97184-	5 Datum: W+D&7
Soil Map Unit Name: Pope Sully	bam, frg. floods	NWI classifica	
Are climatic / hydrologic conditions on the site ty	. 0		
Are Vegetation, Soil, or Hydrolog			1
		Are "Normal Circumstances" pr	
Are Vegetation, Soil, or Hydrolog		(If needed, explain any answer	
SUMMARY OF FINDINGS – Attach s	ilte map showing sampling po	oint locations, transects,	important features, etc.
Hydrophytic Vegetation Present? Yes	No le the Se	mpled Area	
Hydric Soil Present? Yes_	N/a	Wetland? Yes	_ No
Wetland Hydrology Present? Yes	No		
Remarks:	-1	10/01/1	15.11
Sungh point low	thin a flou	ma, dally	0 2000
		200000	
129 atto Sup	to WOOD-PR	3-CATMOD2	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicat	ors (minimum of two required)
Primary Indicators (minimum of one is required	check all that apply)	Surface Soil 0	
Surface Water (A1)	True Aquatic Plants (B14)		etated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	Drainage Patt	
Saturation (A3)	Oxidized Rhizospheres on Living		
Water Marks (B1)	Presence of Reduced Iron (C4)	· · · · -	Vater Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in Tilled S	Soils (C6) Crayfish Burn	ows (C8)
Drift Deposits (B3)	Thin Muck Surface (C7)	Saturation Vis	sible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks)	1	essed Plants (D1)
Iron Deposits (B5)		Geomorphic F	Section 19, care.
Inundation Visible on Aerial Imagery (B7)		Shallow Aquit	
Water-Stained Leaves (B9)		Microtopograp X FAC-Neutral 1	phic Relief (D4)
Aquatic Fauna (B13) Field Observations:		A FAC-Neutral	est (U5)
Surface Water Present? Yes No	Depth (inches):		The state of the s
Water Table Present? Yes No			
	Depth (inches):	Wetland Hydrology Present	? Yes X No
(includes capillary fringe)			. 100
Describe Recorded Data (stream gauge, monito	oring well, aerial photos, previous inspe	ctions), if available:	
Remarks:			
meets B2, 02 4	29		
			40.00

	Dominant Species? Yes		Dominance Test worksheet: Number of Dominant Species
35		_	
	405	EAC_	
	7.5		That Are OBL, FACW, or FAC:(A)
5		FAC	
	NO	FACW	Total Number of Dominant Species Across All Strata: (B)
		11/11/	Species Across Air Strata.
		_	Percent of Dominant Species
		-	That Are OBL, FACW, or FAC: (A/B)
			Prevalence Index worksheet:
50	= Total Cov	er	Total % Cover of: Multiply by:
5 20% of	total cover	10	OBL species x1 =
			FACW species x2=
10	Vec	FACE	
	790		FACU species x4=
	Asc	FIFE	
	0_		UPL species x5 =
			Column Totals: (A) (B)
_			Prevalence Index = B/A =
			Hydrophytic Vegetation Indicators:
			Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
15	Total Cov	er	3 - Prevalence Index is ≤3.0°
			4 - Morphological Adaptations (Provide supporting
20 % 61			data in Remarks or on a separate sheet)
20	405	ENI	Problematic Hydrophytic Vegetation ¹ (Explain)
13	-		¹ Indicators of hydric soil and wetland hydrology must
_ 90	165	FAC.	be present, unless disturbed or problematic.
10	NO	I=M	
			Definitions of Four Vegetation Strata:
	200	FREU	Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
		-	more in diameter at breast height (DBH), regardless of
			height.
			Carllag/Chrish Woody Plants auchydian yings land
			Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
			m) tall.
			, =
1.0	200000000000000000000000000000000000000	-	Herb - All herbaceous (non-woody) plants, regardless
C 00 =	Total Cove	TITA	of size, and woody plants less than 3.28 ft tall.
20% of t	otal cover_	11.0	Woody vine - All woody vines greater than 3.28 ft in
			height.
		-	
		-	
			Hydrophytic
			Vegetation
_	Total Cove	r	Present? Yes No
	otal cover:		
		-	
sheet.)			
	no new	1+	
sheet.)	William	1+	
	Wivers	1+	
	Wivers	1+	
	Minari	1+	
	Mincir	1+	
	Mincir	1+	
	25 20% of 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20% of total cover: 15 = Total Cover: 20	15 = Total Cover 25 20% of total cover: 3 30 Yes Fatur 15 Ms Fatur 20 Yes Fatur 10 No 15 Ms 10 No 15 Ms 10 No 15 Ms

SOIL Sampling Point: WOGO-PFO Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features % Type¹ Loc² (Inches) Color (moist) Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soll Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Dark Surface (S7) ___ 2 cm Muck (A10) (MLRA 147) Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Coast Prairle Redox (A16) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) (MLRA 147, 148) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) Stratified Layers (A5) Depleted Matrix (F3) (MLRA 136, 147) 2 cm Muck (A10) (LRR N) Redox Dark Surface (F6) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Other (Explain in Remarks) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) (LRR N, Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) MLRA 136) Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) ³Indicators of hydrophytic vegetation and Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): **Hydric Soil Present?** Remarks: F3. Depleted matrix

WETLAND DETERMINATION DATA FORM – Easter	KOCYSON JUDE
Project/Site: Vago Pine Ridge City/County: 3	suckson Go Sampling Date: 8/5/P
Applicant/Owner:	State: DH Sampling Point: NO58 W
Investigator(s):	ip, Range: Not divil- 6 4 PLSS &WOL
Landform (hillslope, terrace, etc.): Local relief (concave	e, convex, none):CONCOUL_ Slope (%): Z
	Long: -82.72 748 502 Datum: \ \AD\$ >
Soil Map Unit Name: Posc Sark, 10 am, freg. Aloodol	NWI classification: NV/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	
Are Vegetation M, Soil Wr or Hydrology Significantly disturbed?	Are "Normal Circumstances" present? Yes NoNo
Are Vegetation	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling po	omit locations, transects, important leatures, etc.
Hydric Soil Present? Wetland Hydrology Present? Yes No within a Ward of the second secon	
	WOSS-PEVN-CATWODZ, WOSS-PO-CHTM WUSS-PFO-CATZ, WOLO-PEVN-CATMODZ VOLVOLO-PFO-CATMODZ
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizospheres on Living	
Water Marks (B1) Presence of Reduced Iron (C4)	Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction in Tilled S	oils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13) Field Observations:	FAC-Neutral Test (D5)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(Includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	ctions), if available:
Remarks:	
meets DZ-only I secondary inc	licator dops not meet
criteria for wetland Mydrolog	
	NI Control of the Con

WO58, WO590 VEGETATION (Four Strata) - Use scientific names of plants. Sampling Point: MODIOM-UPL Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species FAC That Are OBL, FACW, or FAC: FACU **Total Number of Dominant** Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: = Total Cover 50% of total cover: 22 **OBL** species 20% of total cover: **FACW** species Sapling/Shrub Stratum (Plot size: .. **FAC** species arpinus. **FACU** species **UPL** species Column Totals: Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 = Total Cover 4 - Morphological Adaptations¹ (Provide supporting of total cover: 20% of total cover: data in Remarks or on a separate sheet) Herb Stratum (Plot size: Problematic Hydrophytic Vegetation¹ (Explain) FAW FAC ¹Indicators of hydric soil and wetland hydrology must CHOCKER FALW be present, unless disturbed or problematic. FAC **Definitions of Four Vegetation Strata:** FAW Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or 10 FALU more in diameter at breast height (DBH), regardless of FALU height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless = Total Cover of size, and woody plants less than 3.28 ft tall. 50% of total cover: 32 20% of total cover: Woody vine - All woody vines greater than 3.28 ft in Woody Vine Stratum (Plot size: ___ height. **Hydrophytic** Vegetation Present? = Total Cover 50% of total cover: 20% of total cover: Remarks: (Include photo numbers here or on a separate sheet.)

Upland vegetation is dominant

Depth Matrix	h needed to document the indicator or confir Redox Features	
(inches) Color (moist) %	Color (moist) % Type¹ Loc²	Texture Remarks
12-3 10-18 914 (00		SUL
366 1000 94 160		346
		
Type: C=Concentration, D=Depletion, RM=F	Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators:	The state of the s	Indicators for Problematic Hydric Soils ³ :
_ Histosol (A1)	Dark Surface (S7)	2 cm Muck (A10) (MLRA 147)
Histic Epipedon (A2)	Polyvalue Below Surface (S8) (MLRA 147	
Black Histic (A3)	Thin Dark Surface (S9) (MLRA 147, 148)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19)
Stratified Layers (A5) 2 cm Muck (A10) (LRR N)	Depleted Matrix (F3) Redox Dark Surface (F6)	(MLRA 136, 147) Very Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	Other (Explain In Remarks)
_ Thick Dark Surface (A12)	Redox Depressions (F8)	
_ Sandy Mucky Mineral (S1) (LRR N,	Iron-Manganese Masses (F12) (LRR N,	
MLRA 147, 148)	MLRA 136)	•
Sandy Gleyed Matrix (S4)	Umbric Surface (F13) (MLRA 136, 122)	³ Indicators of hydrophytic vegetation and
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 1	
_ Stripped Matrix (S6)	Red Parent Material (F21) (MLRA 127, 14	 unless disturbed or problematic.
estrictive Layer (if observed):		1
estrictive Layer (if observed): Type:		Hydric Soll Present? Yes No.
estrictive Layer (if observed): Type: Depth (inches):		Hydric Soll Present? Yes No No
estrictive Layer (if observed): Type: Depth (inches):		Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:		Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches):		Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:		Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:		Hydric Soll Present? YesNo
estrictive Layer (if observed): Type: Depth (inches): emarks:	:15	Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:		Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:	:15	Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:	:15	Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:	:15	Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:	:15	Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:	:15	Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:	:15	Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:	:15	Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:	:15	Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:	:15	Hydric Soll Present? Yes No
estrictive Layer (if observed): Type: Depth (inches): emarks:		Hydric Soll Present? Yes No,
pstrictive Layer (if observed): Type: Depth (inches): marks:		Hydric Soll Present? Yes No
strictive Layer (if observed): Type: Depth (inches): marks:		Hydric Soll Present? Yes No,
Restrictive Layer (if observed): Type: Depth (inches): Remarks:		Hydric Soll Present? Yes No No

WETLAND DETERMINATION DATA FORM – Eastern	n Mountains and Piedmont Region
Project/Site: Vigo - Pive Ridge City/County: 200	CKSON Two Sackson Sampling Date: 8/2/17
Applicant/Owner: AEP	State: OH Sampling Point NOCOL-PE
Investigator(s): 35W NEP Section, Townshi	ip, Range: NO PLS S
The first of the f	e, convex, none): NONE Slope (%):
Subregion (LRR or MLRA): 12 N Lat: 39 137 0:39	Long: -82. 72003995 Datum:NVAD 83
	looded NWI classification: PFOUSSIA
	No (If no, explain in Remarks.)
Are Vegetation, Soll, or Hydrology	
1. I : L. 10 전 : L. 1	보험하여 하나면 이 유민들은 것 같아 하나를 보는 사람들은 사람들은 것
Are Vegetation, Soil, or Hydrology naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling po	oint locations, transects, important features, etc.
Hydric Soil Present? Yes X No within a W Wetland Hydrology Present? Yes X No No Within a W	mpled Area Wetland? Yes X No
Remarks:	Chardolas a com
Sample point is located in our active	floodplain a serves as
a PRO 100 to NOWI-PFO-CATM	1002
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soll Cracks (B6)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) 	Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) g Roots (C3) Moss Trim Lines (B16) Dry-Season Water Table (C2)
≾ Sediment Deposits (B2) Recent Iron Reduction in Tilled S	
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	✓ Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	✓ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No Depth (Inches):	
Water Table Present? Yes NoX Depth (Inches): Saturation Present? Yes NoX Depth (Inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe	ctions), if available:
Remarks:	
meets B2, D2 4 D5	

Samplin	a Point:	NIO	01	-P	FO
- uninpilit	y i Oli it.	11 11 1	-		-

7.410	Absolute	Dominant	100 1300 577/55 (1)	Dominance Test worksheet:
Tree Stratum (Plot size: 30 'R) 1. ACE (nea undo	% Cover 55	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2. Platanos occidentalis	15	7	FACW	Total Number of Dominant Species Across All Strata:
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: SO (A/B)
6				Prevalence Index worksheet:
7				
	70	= Total Cov	er	
50% of total cover: 3	20% of	total cover:	14	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15 2	100.10			FACW species x 2 =
1. Linaera benzon	_ 20		FALW	FAC species x 3 =
2				FACU species x 4 =
3,				UPL species x 5 =
4.				Column Totals: (A) (B)
5				Describence Index - B/A
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
8		-		1 - Rapid Test for Hydrophytic Vegetation
9.	1			
*	70	Tabal Carr	-	3 - Prevalence Index is ≤3.01
50% of total cover: _ (C	20% 06	= Total Cov total cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5'(2)	2070 01	total cover.	_	data in Remarks or on a separate sheet)
	an	V	OOL	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Lys: machia nummularia			Committee of the Commit	
2. Avgirmania Striata	75	-	FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Versesma attentiona		<u>N</u>	FAC	be present, unless disturbed or problematic.
4. Poor Sp *	8	N	EAC	Definitions of Four Vegetation Strata:
5. Persicaria virginiana		N	FAC	
6. Carex grayi	_5_	N	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8.				
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
11	1		_	
	28	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover:	4 20% of	total cover:		of size, and woody plants less than 3.26 it tall.
Woody Vine Stratum (Plot size: 20 '2)	20% 01	total cover.	1710_	Woody vine – All woody vines greater than 3.28 ft in height.
1,				
2. None Observed				
3,	-			
4				Hydrophytic
5,				Vegetation
		= Total Cov	er	Present? Yes V No No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate	sheet.)			
* Box Sp. did not have	influe	scenc	es a	could not be identified to
species on time of the	e sur	very +	there	fore it was assigned a
FAC indicator status				
- Hydrophytic veget	14 (1)	· Na	CATA	· ^+
the state of the	A CLA	1	4 1 1 1 1 4	4101

Redox Features (molst) % Type¹ Loc² Texture Remarks 2 Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils³: ark Surface (S7) blyvalue Below Surface (S8) (MLRA 147, 148) barny Gleyed Matrix (F2) epleted Matrix (F3) edox Dark Surface (F6) epleted Dark Surface (F6) epleted Dark Surface (F7) edox Depressions (F8) con-Manganese Masses (F12) (LRR N, MLRA 136) mbric Surface (F13) (MLRA 136, 122) edmont Floodplain Soils (F19) (MLRA 136, 122) edmont Floodplain Soils (F19) (MLRA 136, 122) edmont Floodplain Soils (F19) (MLRA 148) ed Parent Material (F21) (MLRA 127, 147) Hydric Soil Present? Yes \(\) No
Indicators for Problematic Hydric Soils³: ark Surface (S7) byvalue Below Surface (S8) (MLRA 147, 148) barny Gleyed Matrix (F2) epleted Matrix (F3) edox Dark Surface (F6) epleted Dark Surface (F7) edox Depressions (F8) mMLRA 136) mbric Surface (F13) (MLRA 136, 122) edmont Floodplain Soils (F19) (MLRA 148) ark Surface (F13) (MLRA 136, 122) edmont Floodplain Soils (F19) (MLRA 148) ed Parent Material (F21) (MLRA 127, 147) ark Surface (S9) (MLRA 147, 148) — Coast Prairie Redox (A16) (MLRA 147, 148) — Pledmont Floodplain Soils (F19) (MLRA 136, 147) — Very Shallow Dark Surface (TF12) — Other (Explain in Remarks) almicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Indicators for Problematic Hydric Soils ³ : ark Surface (S7) Delyvalue Below Surface (S8) (MLRA 147, 148) Delyvalue Below Surface (S9) (MLRA 147, 148) Dely Beldmont Floodplain Soils (F19) Deldmont Floodplain Soils (F19) Del
Indicators for Problematic Hydric Soils ³ : ark Surface (S7) Delyvalue Below Surface (S8) (MLRA 147, 148) Delyvalue Below Surface (S9) (MLRA 147, 148) Dely Beldmont Floodplain Soils (F19) Deldmont Floodplain Soils (F19) Deldmont Floodplain Soils (F19) Deldmont Floodplain Soils (F19) Dely Shallow Dark Surface (TF12) Dely Shallow Dar
ark Surface (S7) blyvalue Below Surface (S8) (MLRA 147, 148) control Dark Surface (S9) (MLRA 147, 148) commy Gleyed Matrix (F2) epleted Matrix (F3) edox Dark Surface (F6) epleted Dark Surface (F7) edox Depressions (F8) con-Manganese Masses (F12) (LRR N, MLRA 136) mbric Surface (F13) (MLRA 136, 122) edmont Floodplain Soils (F19) (MLRA 148) ed Parent Material (F21) (MLRA 127, 147) 2 cm Muck (A10) (MLRA 147) Coast Prairie Redox (A16) (MLRA 147) Veledmont Floodplain Soils (F19) (MLRA 147) Very Shallow Dark Surface (TF12) ✓ Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Hydric Soil Present? Yes X No
of vegetation in the surrounding
Car Vegeterres
(

WETLAND DETE	RMINATION DATA FORM		ins and Piedmont Region
Project/Site: Vogo - Pi	c Ridae city	County: Sackson	
Applicant/Owner: #2P			State: DIT Sampling Point WX 625
Investigator(s): B5m /	N GP Sec	tlon, Township, Range:	· not divided by PLSS
Landform (hillslope, terrace, etc.):		elief (concave, convex, no	
Subregion (LRR or MLRA): LRA			82.719 683 75 Datum: VADS
Soil Map Unit Name: Org: 11c 5:14		Λ	NWI classification:
Are climatic / hydrologic conditions on the		V .	(If no, explain in Remarks.)
2017년 - 1일 교육 교육 시간 경우 경우 개계를 보내 시간 경우 경우 경우 시간			33 7 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Are Vegetation, Soil, or Hy			al Circumstances" present? Yes 🔀 No
Are Vegetation	The State of the S		explain any answers in Remarks.)
SUMMARY OF FINDINGS - Atta	ach site map showing sa	mpling point locati	ons, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No	Is the Sampled Area	
Hydric Soil Present?	Yes No	within a Wetland?	Yes No
Wetland Hydrology Present? Remarks:	Yes No		
- 0 1 (/	1 1 11 b	van - wtio	n of
Sumple point lo	ith in the t	and por	
WOOZ-PEM-CA			
VOOGE FEITI-CH	CIL		
YDROLOGY			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is re-	ruired; check all that apoly)		Surface Soil Cracks (86)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Od		Drainage Patterns (B10)
Saturation (A3)		res on Living Roots (C3)	· (1000 14.1) 1.1 전략 시계 (100 15.1) (10.1) (10.1) (10.1) (10.1)
Water Marks (B1)	Presence of Reduce		Dry-Season Water Table (C2)
Sediment Deposits (B2) Drift Deposits (B3)	Recent from Reduction	on in Tilled Soils (C6)	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re		Stunted or Stressed Plants (D1)
Iron Deposits (B5)	_ Other (Explain in res	markoj	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery	(B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-Neutral Test (D5)
Field Observations:	X		
Surface Water Present? Yes	No Depth (Inches):		
Water Table Present? Yes	No Depth (inches):		*
Saturation Present? Yes includes capillary fringe)	No Depth (Inches):	Wetland	Hydrology Present? Yes No
Describe Recorded Data (stream gauge,	monitoring well, aerial photos, pre	vious inspections), if ave	silable:
Remarks:			
	5	condant (ndien tax's
Meets DZ à	05 - 2 360	orday 1	(Circa (C) C
100			4
			0.13

VEGETATION (Four Strata) - Use scientific	names of	plants.		Sampling Poin	t:\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	DEVY
Tree Stratum (Plot size: 311/L)		Dominant Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:		(A)
2		-		Total Number of Dominant Species Across All Strata:	1	(B)
Wene Obstack				Percent of Dominant Species That Are OBL, FACW, or FAC:	106	
				Prevalence Index worksheet:	-100-	* ·
		= Total Cov	er	Total % Cover of:		
50% of total cover:				OBL species x 1		
Sapling/Shrub Stratum (Plot size: 1512)				FACW species x 2		
No state of the st				FAC species x 3		
				FACU species x 4	×	
				UPL species x 5	=	
	Sec. 1	-		Column Totals:(A)		_ (B)
None observa		\equiv		Prevalence Index = B/A = _		
				Hydrophytic Vegetation Indicate		_
				1 - Rapid Test for Hydrophytic		
				2 - Dominance Test is >50%		
				3 - Prevalence Index is ≤3.01		
		= Total Cov	er	4 - Morphological Adaptations	1 (Provide sun	nortina
50% of total cover:	20% of	total cover		data in Remarks or on a se		
lerb Stratum (Plot size: 5 12)	-					
Coalina apaine	5	Mo	FALL	Problematic Hydrophytic Vege	station (Expla	in)
Care gravii	105	45	FAIN			
Solitage 3P.	10	1/4	FACE	¹ Indicators of hydric soil and wette be present, unless disturbed or pre-	nd hydrology r	nust
Crass ID	15	No	FALL			
	10	LU)	DRL	Definitions of Four Vegetation S	itrata:	
Eccesia virginiam				Tree – Woody plants, excluding vi more in diameter at breast height	nes, 3 in. (7.6 (DBH), regard	cm) or less of
		_		height.		
	:=		=	Sapling/Shrub – Woody plants, e than 3 in. DBH and greater than o m) tall.		
0 1		-		Host All harthquarus (non-wood	u) plante mos	rdlace
		≖ Total Cov		Herb - All herbaceous (non-wood of size, and woody plants less that		10000
Voody Vine Stratum (Plot size:)	20% of	total cover		Woody vine - All woody vines grandle height.	eater than 3.28	ft in
-		-		4.		
More obside		_	_			
70.00			_			
	-			Hydrophytic		
·	-	Omora =		Vegetation Present? Yes	No	
50% of total cover:		= Total Cover total cover		Present:		
Remarks: (Include photo numbers here or an a separate	sheet.)	7		11. 10. 10. 10. 11.	110 100	e also
- US 5: 54, 16,6 64	Mou	rinc	1	-Hydrophy	ant	g C w
,		issum	-l	FAC basel on		
a se ways o	Kic a	JSUM	~~	- X A T S T S T S T S T S T S T S T S T S T		
conditions of soil						

Type: Hydric Soil Present? Yes No	NS.
Age: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Agric Soll Indicators: Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Loarny Cleyed Matrix (F3) Z cm Muck (A10) (MLRA 147, 148) Black Histic (A5) Hydrogen Sulfide (A4) Loarny Cleyed Matrix (F3) Z cm Muck (A10) (MLRA 147, 148) Loarny Cleyed Matrix (F3) Depleted Below Dark Surface (S9) (MLRA 147, 148) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N) MLRA 147, 148) Sandy Cleyed Matrix (S4) Sandy Mucky Mineral (S1) (LRR N) MLRA 136) Simpled Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 138, 147) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Indicators for Problematic Hydric Soils Simple Redox (A10) MLRA 136, 147) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. MCC + S F 3 - De Plet ed Matrix S + A II - De Plet All Behave Matrix: MCC + S F 3 - De Plet ed Matrix S + A II - De Plet All Behave Matrix: MCC + S F 3 - De Plet ed Matrix S + A II - De Plet All Behave Matrix: MCC + S F 3 - De Plet ed Matrix S + A II - De Plet All Behave Matrix: MCC + S F 3 - De Plet ed Matrix S + A II - De Plet All Behave Matrix: MCC + S F 3 - De Plet ed Matrix S + A II - De Plet All Behave Matrix: MCC + S F 3 - De Plet ed Matrix S + A II - De Plet All Behave Matrix.	
Vige: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Vige: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Vicoation: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils*:	
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Type:	and the second s
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meets F3 - Depleted Montrix of All-Depleted Below	No.
	120h
	ICECC
Dark Surface	
7	

WETLAND DETERMINATION DATA FORM -	Eastern Mountains and Piedmont Region
Project/Site: Vigo - Pine Ridge City/Co	ounty: Tuckson Two Sack Sampling Date: 8/8/17
Applicant/Owner: AEP	State: OH Sampling Point: WO02-F
	n, Township, Range: NO P/SS
	ef (concave, convex, none): CONCOVE Slope (%): Z
	Long: 82,71940963 Datum: NAD83
Soll Map Unit Name: Pope Eit 100m, Frequently +10	
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	
Are Vegetation N, Soll N, or Hydrology N significantly disturb	
Are Vegetation N., Soil N., or Hydrology N. naturally problemat	
그리고 사용하는 수 있다고 있는데 있는데 있는데 하게 하는데 하는데 하는데 하게 되었다. 그렇게 되었다.	어려고 된 동시에 이 아름답답답답을 부모시 마시 얼마 아들아 되었다. 이 모든 모든 그래요.
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important leatures, etc.
Wetland Hydrology Present? Yes No Yes No	is the Sampled Area within a Wetland? Yes No
Remarks:	I DICTIO MAILENI SCORET CLERKERINA
Sample point is located in a flood	DICENT MONEY SOURCE CHEMISTER
+ serves as a PFO REP +0 W	062-PFO-CATI
0010 00 00 10 101	5.525,000,000,000
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soll Cracks (B6)
Surface Water (A1) True Aquatic Plants (B	나는 사람들이 살아보는 그는
High Water Table (A2) Hydrogen Sulfide Odor	
Saturation (A3) Oxidized Rhizospheres	- B. H. C
Water Marks (B1) Presence of Reduced Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (C7	전대한 B. 1982 - 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Algal Mat or Crust (B4) Other (Explain in Rema	·
Iron Deposits (B5)	
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	∠ FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (Inches):	
Water Table Present? Yes No Depth (inches):	— W. W 4 (to 4 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2
Saturation Present? Yes No _X Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	ious inspections), if available:
Remarks:	
Remarks.	
AN MORE THE THE	
Meeto 52, 62, a 05	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 2)	The state of the s	Species?		Number of Dominant Species
1. Acer negundo	40	4	FAC	That Are OBL, FACW, or FAC: (A)
2. UMUS PUBLICA	20	1	FAC	Total Number of Dominant
3				Species Across All Strata:
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				
7				Prevalence Index worksheet:
	600	= Total Co	ver S	Total % Cover of: Multiply by:
50% of total cover: 3	20% of	total cover	<u> </u>	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 5 2				FACW species x 2 =
1. Lindera benzon	10	1	MAC	FAC species x 3 =
2				FACU species x 4 =
3				UPL species x 5 =
4				Column Totals: (A) (B)
5				Prevalence Index = B/A =
6				
7.				Hydrophytic Vegetation Indicators:
8.				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
7.	110	= Total Cov	105	3 - Prevalence Index is ≤3.01
50% of total cover: _ 5				4 - Morphological Adaptations¹ (Provide supporting
Herb Stratum (Plot size: 5 (2)	2070 01	TOTAL COVE		data in Remarks or on a separate sheet)
1. Urtica dioica	17	46.6	C10-11	Problematic Hydrophytic Vegetation¹ (Explain)
		N	FALU	
2. Cinna acondinar la		_W	FACINI	¹ Indicators of hydric soil and wetland hydrology must
3. Carex grant		4	FACW	be present, unless disturbed or problematic.
4. Argimon a stricta		4	FACI	Definitions of Four Vegetation Strata:
5. Dife pumila	_5	N	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6. Ly Simonnia nummularia		N	OBL	more in diameter at breast height (DBH), regardless of
7. Porsica Virginiana	10	N	EAC	height,
8				Sapling/Shrub – Woody plants, excluding vines, less
9			1000	than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				Herb – All herbaceous (non-woody) plants, regardless
	100	= Total Cov	/er	of size, and woody plants less than 3.28 ft tall.
50% of total cover:		total cover		
Woody Vine Stratum (Plot size: 30'0)	7			Woody vine – All woody vines greater than 3.28 ft in helght.
1. Nince Ouserveil				noigh.
2	7			
3.		-		
,		-		
4.	_			Hydrophytic
5	-	- 02	-	Vegetation Present? Yes X No
EDD/ of total covery		= Total Cover		
50% of total cover:		total cover		
Remarks: (Include photo numbers here or on a separate:		clor	inav	~+

the at	Matrix			x Features				
inches)	Color (moist)	98: 1	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
-10	10 112	10_ 1	0112 19	<u></u>		1.1.	216	
	. ———,					_		
	.——			_				
					_	_	-	
ype; C=C	Concentration, D=Deplet	ion, RM=Re	educed Matrix, MS	S=Masked	Sand Gr	ains.	² Location: P	PL=Pore Lining, M=Matrix.
ydric Soil	Indicators:		TAKE YES		7 1 1		Indic	ators for Problematic Hydric Soils ³
Histoso	l (A1) plpedon (A2)	-	Dark Surface Polyvalue Be		o /CO\ /A	U DA 143		2 cm Muck (A10) (MLRA 147)
	listic (A3)		Polyvalue Be Thin Dark Su				148) (Coast Prairie Redox (A16) (MLRA 147, 148)
_ Hydroge	en Sulfide (A4)		Loamy Gleye				F	Piedmont Floodplain Solls (F19)
	d Layers (A5)		✓ Depleted Mat					(MLRA 136, 147)
	uck (A10) (LRR N) d Below Dark Surface (Δ11)	Redox Dark S Depleted Dar					/ery Shallow Dark Surface (TF12) Other (Explain in Remarks)
	ark Surface (A12)	6117	Redox Depre				_ `	oner (Explain in Remarks)
_ Sandy N	Mucky Mineral (S1) (LR	RN,	Iron-Mangane			LRR N,		
	A 147, 148)		MLRA 136	T		212001	7	
	Gleyed Matrix (S4) Redox (S5)		Umbric Surfa Pledmont Flo					dicators of hydrophytic vegetation and etland hydrology must be present,
	Matrix (S6)		Red Parent N					iless disturbed or problematic.
estrictive	Layer (if observed):					200		
Type:	(44)							
Depth (in	ches):		1				Hydric Soil	Present? Yes No
emarks:								
-11100	+8 73 - T	Dep18+	and Max	TCX				
				4	1			
	- T - 1 - 2	5:15	DUECY	ved	S	100	cent	deposition
516	map of a por		0.			_		<u> </u>
.F10	podplain s							
- 410	podplain s							
.F10	podplain s							
-F10	podplain s							
. \$10	podplain s							
. \$10	podplain s							
.F10	podplain s							
- \$10	podplain s							
- \$10	podplain s							
- \$10	podplain s							
- \$10	podplain s							
. \$10	podplain s							
- 410	podplain s							
-F10	podplain s							

WETLAND DETERMIN	ATION DATA FORM – Eastern Mount	rson Tilbo
Project/Site: Vigo - Fine Zi	dae City/County: Jacks	ON Sampling Date: 3/3/V
Applicant/Owner: ASP		State: OH,Sampling Point \\\ \O(03-1)
Investigator(s): 85m/ No	Section, Township, Range:	Not Liviled by PLSS
Landform (hillslope, terrace, etc.):	Local relief (concave, convex,	none): Concur & Slope (%): 0
Subregion (LRR or MLRA): LAL N	Lat: 39. 1362423 Long:_	
Soil Map Unit Name: Orwille 114 la		NWI classification: N/A
Are climatic / hydrologic conditions on the site typ	1 1 1 1	
Are Vegetation N , Soil N , or Hydrology	4	mal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology		d, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach si	ite map showing sampling point loca	tions, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Sumple point (octob Sexues & S. D. M.	No lis the Sampled Are within a Wetland? On udge of resident of the World of the W	Yes No
HYDROLOGY	op to viole	
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required:	check all that apoly)	Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
K High Water Table (A2)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Saturation (A3)	Oxidized Rhizospheres on Living Roots (C	
Water Marks (B1)	Presence of Reduced Iron (C4)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in Tilled Soils (C6)	Crayfish Burrows (C8)
Statillerit Deposits (B2)	Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
· · · · ·		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Other (Explain in Remarks)	Geomorphic Position (D2)
Iron Deposits (B5)		
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)		Microtopographic Relief (D4)
Aquatic Fauna (B13)		FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No _	D-11 (1-15-15)	
	0 //	
Water Table Present? Yes No		d Hydrology Present? Yes X No
(includes capillary fringe)	V-10-10-	
Describe Recorded Data (stream gauge, monito	ring well, aerial photos, previous inspections), if a	avallable:
Remarks:		
- Meets Ai, AZ	-, A3 DZ 4 DS	

	Absolute Dominant Indicato	Dominance Test worksheet:
Tree Stratum (Plot size:30'/L) 1	% Cover Species? Status	
2		Total Number of Dominant
1		Species Across All Strata: (B)
4. Nonc observe		Percent of Dominant Species
5		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6		
7		Prevalence Index worksheet:
	= Total Cover	Total % Cover of: Multiply by:
50% of total cover:	20% of total cover:	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 131/4)	•	FACW species x 2 =
1. Nun observed		FAC species x 3 =
2.		FACU species x4 =
3		UPL species x 5 =
4		Column Totals: (A) (B)
5.		Prevalence Index = B/A =
7.		Hydrophytic Vegetation Indicators:
8.		- Rapid Test for Hydrophytic Vegetation
0		2 - Dominance Test is >50%
0.	= Total Cover	3 - Prevalence Index is ≤3.01
50% of total cover:	20% of total cover:	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5")		data in Remarks or on a separate sheet)
. Phylares annlinuck	- 90 HES FALL	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Sagitlaria latitolia	75 No 630	
3. Extraction property	5 NO FAL	Indicators of hydric soil and wetland hydrology must
4. Platones accidentalis	Z No FACE	be present, unless disturbed of problematic.
		Definitions of Four Vegetation Strata:
5		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
		more in diameter at breast height (DBH), regardless of
/		helght.
.		Sapling/Shrub - Woody plants, excluding vines, less
		than 3 in. DBH and greater than or equal to 3.28 ft (1
10		m) tall.
1		Herb - All herbaceous (non-woody) plants, regardless
	10 2 = Total Cover	of size, and woody plants less than 3.28 ft tall.
50% of total coyer:	1.5 20% of total cover.	Woody vine - All woody vines greater than 3.28 ft In
Noody Vine Stratum (Plot size: 30 1		height.
Non a phyrush		
		No. de la della de
		Hydrophytic Vegetation
	= Total Cover	Present? Yes No
50% of total cover:		
		-
Remarks: (Include photo numbers here or on a separate	and the second s	
Hydrophytic Vegetat	ion is dom	MAANT
17 -(CHO DIN)		

Fronte Desi	ription: (Describe	to the dep	th needed to docum			r or confirm	n the absence	or indicators.)
Depth	Matrix			x Feature		2	-	Domesti.
(laches)	Color (moist)	4-	Color (moist)	_%_	Type'	Loc*	Texture	Remarks
1	W1 4/1	75	10 [K 7/17	5		M	5,6	-
0-15	10763/1	90	511176	10	<u>C</u>	m	Sic	
				-			-	-
							-	,
				_				
							-	
								*
Vne: C=Co	ncentration DeDer	Jetion RM:	Reduced Matrix, MS		Sand G	reins	2 ocation: P	L=Pore Lining, M=Matrix.
ydric Soil I		AND STATE	THE STATE OF THE S	muenot	- Guilo G			ators for Problematic Hydric Soils ³
_ Histosol			Dark Surface	(S7)			2	2 cm Muck (A10) (MLRA 147)
	ipedon (A2)		Polyvalue Bel	ow Surfa				Coast Prairie Redox (A16)
Black His	* *		Thin Dark Sui			147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loarny Gleyer		(F2)		F	Pledmont Floodplain Soils (F19)
	Layers (A5)				-01			(MLRA 136, 147)
	ck (A10) (LRR N)	- (8.44)	Redox Dark S	-				/ery Shallow Dark Surface (TF12) Other (Explain in Remarks)
	Below Dark Surfac rk Surface (A12)	e (ATT)	Depleted Darl				—	oner (Explain in Remarks)
	ucky Mineral (S1) (I	DD N	Iron-Mangane			/I DD N		
_ Garidy IV				SC INGS	00 (1 12)	(misis 14)		
		,		6)				
MLRA	147, 148)	,	MLRA 136	-	MLRA 1	36, 122)	3 (no	licators of hydrophytic vegetation and
MLRA	147, 148) eyed Matrix (S4)	,		œ (F13) (licators of hydrophytic vegetation and atland hydrology must be present,
MLRA Sandy Gi Sandy Re Stripped	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6)		MLRA 136	ce (F13) (odplain S	olis (F19) (MLRA 14	18) we	
MLRA Sandy Gi Sandy Re Stripped	147, 148) eyed Matrix (S4) edox (S5)		MLRA 136 Umbric Surfac Piedmont Floo	ce (F13) (odplain S	olis (F19) (MLRA 14	18) we	etland hydrology must be present,
MLRA Sandy Gi Sandy Re Stripped	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6)		MLRA 136 Umbric Surfac Piedmont Floo	ce (F13) (odplain S	olis (F19) (MLRA 14	18) we	etland hydrology must be present,
MLRA Sandy G Sandy Re Stripped	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floo	ce (F13) (odplain S	olis (F19) (MLRA 14	18) we	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy G Sandy Re Stripped estrictive L Type: Depth (inc.	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floo	ce (F13) (odplain S	olis (F19) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy G Sandy Re Stripped estrictive L Type: Depth (inc	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floo	ce (F13) (odplain S	olis (F19) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA _ Sandy G _ Sandy Re _ Stripped estrictive L Type: Depth (inc	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floo	ce (F13) (odplain S	olis (F19) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy G Sandy Re Stripped estrictive L Type: Depth (inc.	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floo	ce (F13) (odplain S	olis (F19) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy G Sandy Re Stripped estrictive L Type: Depth (incommarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy G Sandy Re Stripped estrictive L Type: Depth (incommarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floo	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy G Sandy Re Stripped estrictive L Type: Depth (incommarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy G Sandy Re Stripped estrictive L Type: Depth (incommarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy G Sandy Re Stripped estrictive L Type: Depth (incommarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy Gi Sandy Re Stripped estrictive L Type: Depth (incl	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy Gi Sandy Re Stripped estrictive L Type: Depth (incl	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy Gi Sandy Re Stripped estrictive L Type: Depth (incleanarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA _ Sandy G _ Sandy Re _ Stripped estrictive L Type: Depth (incleanarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA _ Sandy G _ Sandy Re _ Stripped estrictive L Type: Depth (inclemarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA _ Sandy G _ Sandy Re _ Stripped estrictive L Type: Depth (inclemarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA _ Sandy G _ Sandy Re _ Stripped estrictive L Type: Depth (inclemarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy G Sandy Re Stripped estrictive L Type: Depth (incommarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy Gi Sandy Re Stripped estrictive L Type: Depth (incleanarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy G Sandy Re Stripped strictive L Type: Depth (incomarks:	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.
MLRA Sandy Gi Sandy Re Stripped estrictive L Type: Depth (incl	147, 148) eyed Matrix (S4) edox (S5) Matrix (S6) ayer (if observed):		MLRA 136 Umbric Surfac Piedmont Floc Red Parent M	oe (F13) (odplain S laterial (F	olis (F19 21) (MLI) (MLRA 14	18) we 7) un	etland hydrology must be present, cless disturbed or problematic.

WETLAND DETERMINATION DATA FORM – E	
	inty: Sockson Two Jackson Sampling Date: 813/17
Applicant/Owner: HEP	State: OH Sampling Point: WO63-P
Investigator(s): BJM NGP Section,	Township, Range: NO PLSS
Landform (hillslope, terrace, etc.): Volley Local relief	(concave, convex, none): COCCOTC Slope (%): O
Subregion (LRR or MLRA): <u>LRR N</u> Lat: 39 1358908	Long: -82. 71993728 Datum: NADE3
Soil Map Unit Name: Occulle Sit loam 0.390 Slow	- 100
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	
Are Vegetation, Soil, or Hydrology significantly disturbed	이 이 없는 그 아이들이 그는 그들이 하는 것이 되었다면서 아이들이 아이들이 아이들이 되었다면서 아니는 그 그는 그는 그를 보는 것이다.
에 가장 하는 사람들이 가장 하는 것이 되었다. 그 사람들이 되었다면 하는 것이 없는 것이 없는 것이 없는 것이다. 그렇게 되었다면 없는 것이 없는 것이다.	
Are Vegetation, Soil, or Hydrology naturally problematic	
SUMMARY OF FINDINGS – Attach site map showing sample	ling point locations, transects, important features, etc.
Market Call December 1	s the Sampled Area vithin a Wetland? Yes No
Remarks:	mixed decidioous forest a
Sample Point is located in a	The order of the o
serves as PFO rep to Wor	63-PFO-CAT2
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B1-	4) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odor (5 T. (5 T. (
Saturation (A3) Oxidized Rhizospheres of	on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced Iro	on (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction in	n Tilled Solls (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remar	rks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes NoX_ Depth (Inches):	
Water Table Present? Yes NoX Depth (Inches):	
Saturation Present? Yes No _X_ Depth (Inches): (Includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previo	us inspections), if available:
Remarks:	
	La Control Control Control Control
moets 02 a 95 - 2 Seconda	indicators
	1 10100

Tree Stratum (Plot size: 30' (2)	15	Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:
2. Platianis occidentalis			FACW	Total Number of Dominant Species Across All Strata: (B)
				Percent of Dominant Species That Are OBL, FACW, or FAC: 83 3 (A/E
		-		Prevalence Index worksheet:
-	55	= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 2 1				OBL species x 1 =
apling/Shrub Stratum (Plot size: 15' (Z)		total cover		FACW species x 2 =
Acer y vorum	113	M	DA	FAC species x 3 =
				FACU species x 4 =
-				UPL species x 5 =
				Column Totals: (A) (B
	-	-		Prevalence Index = B/A =
			=	Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophylic Vegetation
				✓ 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0¹
	10	= Total Cov	er	
50% of total cover:	20% of	total cover	2	4 - Morphological Adaptations¹ (Provide supporting
erb Stratum (Plot size: 5 ()				data in Remarks or on a separate sheet)
lixtica dio ca	20	· V	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
	30	V	FACW	
TIMPATIENS TOPPINSIS		V	FACIN	¹ Indicators of hydric soil and wetland hydrology must
ACP regundo		N	FAC	be present, unless disturbed or problematic.
ENDATORIUM DEIFORATUM		N	FACW	Definitions of Four Vegetation Strata:
LOPARCHICAN PER MICHAN				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless cheight.
).				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
	-	_		
	92	= Total Cov	er	Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
50% of total cover: 46 foody Vine Stratum (Plot size: 30 0)		total cover		Woody vine – All woody vines greater than 3.28 ft in height.
No. 2 Annual Control				
None observed		-	-	
				Hydrophytic
				Vegetation
		= Total Cov	er	Present? Yes No
50% of total cover:		total cover		107 11 11 11 11 11 11 11
emarks: (Include photo numbers here or on a separate s	sheet.)			
Hydrophytic Vegetation	o is	don	nina	1

Histosol (A1) Dark Surface (S7) 2 cm Muck (A1) Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Coast Prairie I Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) (MLRA 147 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floo Stratified Layers (A5) Qepleted Matrix (F3) (MLRA 136 2 cm Muck (A10) (LRR N) Redox Dark Surface (F6) Very Shallow I Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Other (Explain Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) Indicators of hydrogen Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology	roblematic Hydric Solls ³ : A10) (MLRA 147) e Redox (A16) 47, 148) podplain Solls (F19)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 2 Location: PL=Pore Linin Indicators: Indicators for Pro Indicators for Pro Indicators (S7) Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) Stratified Layers (A5) 2 cm Muck (A10) (LRR N) Depleted Matrix (F3) Coast Prairie (MLRA 147, 148) Stratified Layers (A5) 2 cm Muck (A10) (LRR N) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 136, 122) Jandicators of Pro Muck (A10) All Cartin PL=Pore Linin Indicators (PL=Pore Linin Indicators (PL=Pore Linin Indicators (PL=Pore Linin Indicators (PL=Pore Linin Indicators (PT) (MLRA 147, 148) All Cartin PL=Pore Linin Indicators (PL=Pore Linin Indicators (PT) (MLRA 147, 148) All Cartin PL=Pore Linin Indicators (PL=Pore Linin Indicators (PT) (MLRA 147, 148) All Cartin PL=Pore Linin Indicators (PL=Pore Linin Indicators (PT) (MLRA 147, 148) All Cartin PL=Pore Linin Indicators (PL=Pore Linin In	roblematic Hydric Solls ³ : A10) (MLRA 147) e Redox (A16) 47, 148) podplain Solls (F19)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. PL=Pore Linin Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) Stratified Layers (A5) 2 cm Muck (A1) Loamy Gleyed Matrix (F2) Peldmont Floc (MLRA 136) Pelded Matrix (F3) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) Judicators of hydrocal darks of the companies of	roblematic Hydric Solls ³ : A10) (MLRA 147) e Redox (A16) 47, 148) podplain Solls (F19)
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ydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Mindicators for Product (A1) Dark Surface (S7) Depleted (S8) (MLRA 147, 148) (MLRA 147, 148) Piedmont Flood (MLRA 147, 148) Piedmont Flood (MLRA 136) Very Shallow (A10) Depleted Dark Surface (F7) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrologe manganese Masses (F19) (MLRA 148)	roblematic Hydric Solls ³ : A10) (MLRA 147) e Redox (A16) 47, 148) podplain Solls (F19)
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Redox (S5) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Loamy Gleyed Matrix (F2) Depleted Matrix (F2) Piedmont Floor (MLRA 136) Very Shallow Matrix (F3) Popleted Dark Surface (F7) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) Sandy Redox (S5) Dark Surface (F13) (MLRA 136, 122) Jindicators of hydrogen Surface (S7) Jindicators of hydrogen Surface (S7) Jindicators of hydrogen Surface (S7) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrogen Surface (S7) Piedmont Floodplain Soils (F19) (MLRA 148) Piedmont Floodplain Soils (F19) (MLRA 148)	A10) (MLRA 147) e Redox (A16) 47, 148) oodplain Soils (F19)
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	ydrophytic vegetation and plogy must be present, and or problematic.
estrictive Layer (if observed):	
Type:	
Depth (inches): Hydric Soil Present?	Yes X No
Meets F3 Depleted Matrix	

WETLAND DETERMINATION DATA	A FORM – Eastern Mountains and Piedmont Region
Project/Site: Vigo - Pine Ringe	City/County: Jukson To. Sampling Date: 8/3/
Applicant/Owner: 42P	State: DH Sampling Point; WG Sampling Point;
Investigator(s): B5M/NGP	Section, Township, Range: Not divided by PLSS
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none): Would Slope (%):
Subregion (LRR or MLRA): LRC Lat: 39, (3	
A	
	% stopes, fag floods NWI classification:
Are climatic / hydrologic conditions on the site typical for this time	
Are Vegetation, Soil, or Hydrology signific	
Are Vegetation, Soil, or Hydrology natural	lly problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ving sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes No
Wetland Hydrology Present? Yes No X	
Remarks: Sample point roctel in lawn & since as uples	WOOT-PFO-CATIONS, WOOZ-PFO WOOZ-PEM-CATI WO63-PF WOW3-PEM-CATI
HYDROLOGY	Viole PETTI-CITY
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that ap	
	tic Plants (B14) Sparsely Vegetated Concave Surface (B8)
	Sulfide Odor (C1) Drainage Patterns (B10)
	Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of	of Reduced Iron (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron	n Reduction in Tilled Soils (C6) Crayfish Burrows (C8)
	Surface (C7) Saturation Visible on Aerial Imagery (C9)
	lain in Remarks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:	1 AC-Neutral 1651 (D3)
Surface Water Present? Yes No Depth (inc	has):
	thes):
Saturation Present? Yes No Depth (inc	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial p	hotos, previous inspections), if available:
Remarks:	
meets DZ -anily 1 secon	ordayy indicator does not meet
criteria for wet and	mide at oak
Cificilia 4d W.C. Mil	1.00.00

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

Sampling Point: WOO3-UPL

Tree Stratum (Plot size: 30 'R)	Absolute Dominant Indicator	Dominance Test Worksheet:
1,	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. None observed	===	Total Number of Dominant Species Across All Strata: (B)
		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/
6		Prevalence Index worksheet:
		Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
50% of total cover:	20% of total cover:	FACW species x 2 =
apling/Shrub Stratum (Plot size: 15 (FAC species x 3 =
		FACU species x 4 =
		UPL species x5 =
//		Column Totals: (A) (E
None Obserra		Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
	. 	1 - Rapid Test for Hydrophytic Vegetation
		2 - Dominance Test is >50%
		3 - Prevalence Index is ≤3.0¹
	= Total Cover	4 - Morphological Adaptations¹ (Provide supporti
50% of total cover:	20% of total cover:	data in Remarks or on a separate sheet)
erb Stratum (Plot size: 5 (2)		Problematic Hydrophytic Vegetation¹ (Explain)
Trifiliam repuls	5 NO FALL	Problematic Hydrophytic Vegetation (Explain)
Pou Drutusis	90 TOS PAN	1
alocher & holiacan	5 NU FAU	Indicators of hydric soll and wetland hydrology must be present, unless disturbed or problematic.
		Definitions of Four Vegetation Strata:
		Definitions of Four Vegesation Strata.
		Tree - Woody plants, excluding vines, 3 in. (7.6 cm)
		more in diameter at breast height (DBH), regardless of height.
		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
		m) tall.
	100 = Total Cover	Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
50% of total cover: 5	20% of total cover: 20	of size, and woody plants loss than old than
pody Vine Stratum (Plot size:)	2070 di Iolai covoi. 20	Woody vine – All woody vines greater than 3.28 ft in height.
1.1-		
None observat		
None observer		
		Hydrophytic
		Vegetation
50% of total cover:	= Total Cover 20% of total cover:	

Sampling Point:

Depth	Matrix		th needed to docum	c Features					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	_Loc²	<u>Texture</u>	Remarks	
0-10	1040 412	(0)					Sil		
0-K1	1074 4/2	90	IOYR 9/4	10	_	M	516		
							-		
		_		_	_				
			_		-		-		
		_							
ype: C=Cc	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	=Masked	Sand Gr	ains.	2Location: PL=	Pore Lining, M=Matrix.	-
ydric Soil I	ndicators:							ors for Problematic Hydi	ic Solls ³ :
_ Histosol			Dark Surface					n Muck (A10) (MLRA 147)
	ipedon (A2)		Polyvalue Beld					st Prairie Redox (A16)	
_ Black His			Thin Dark Sur			47, 148)	•	MLRA 147, 148)	401
	n Sulfide (A4) Layers (A5)		Loamy Gleyed Depleted Matri		2)			dmont Floodplain Soils (F MLRA 136, 147)	19)
	ck (A10) (LRR N)		Redox Dark Si		a			/ Shallow Dark Surface (1	F12)
	Below Dark Surface	(A11)	Depleted Dark		-			er (Explain in Remarks)	,
	rk Surface (A12)		Redox Depres						
	ucky Mineral (S1) (L	RR N,	Iron-Mangane		s (F12) (I	LRR N,			
	147, 148)		MLRA 136)			0 400)	31	Anna a Charaltana la di La Cara	
_ Sandy Gi _ Sandy Re	eyed Matrix (S4)		Umbric Surface Piedmont Floo					tors of hydrophytic vegetand hydrology must be pre	
	Matrix (S6)		Red Parent Ma	•				s disturbed or problemati	
					/				
	ayer (If observed):								
	ayer (If observed):							2	
estrictive L			-				Hydric Soil Pr	esent? Yes	No
estrictive La Type: Depth (inch			-				Hydric Soil Pr	esent? Yes	No
estrictive La Type:			=				Hydric Soil Pr	resent? Yes	No
estrictive La Type: Depth (inchemarks:	nes):			1 2110			Hydric Soil Pr	resent? Yes	No
Type: Depth (inch	nes):	neple	etect Max	trix			Hydric Soil Pr	esent? Yes	No
estrictive La Type: Depth (inchermarks:	nes):	neple	eted max	frix			Hydric Soil Pr	resent? Yes	No
estrictive La Type: Depth (inchemarks:	nes):	neph	eted Max	+6,X			Hydric Soil Pr	resent? Yes	No
estrictive La Type: Depth (inchemarks:	nes):	neple	eted now	fr'x			Hydric Soil Pr	resent? Yes	No
estrictive La Type: Depth (inchemarks:	nes):	neple	eted Max	ナベメ			Hydric Soil Pr	esent? Yes	No
estrictive La Type: Depth (inchemarks:	nes):	nepl	etect Max	+r.x			Hydric Soil Pr	resent? Yes	No
Type: Depth (inchemarks:	nes):	neple	etect now	te.x			Hydric Soil Pr	resent? Yes	No
Type: Depth (inchemarks:	nes):	neple	eted now	tr'x			Hydric Soil Pr	esent? Yes	No
Type: Depth (inchemarks:	nes):	neple	eted Max	ナベンメ			Hydric Soil Pr	esent? Yes	No
Type: Depth (inchemarks:	nes):	nepl	eter now	+r'x		-4	Hydric Soil Pr	resent? Yes	No
estrictive La Type: Depth (inchermarks:	nes):	nepl	eter nox	tr'x			Hydric Soil Pr	resent? Yes	No
estrictive La Type: Depth (inchemarks:	nes):	neple	etect now	+r,x			Hydric Soil Pr	esent? Yes	No
estrictive La Type: Depth (inchermarks:	nes):	nepl	etect max	ナゲンメ			Hydric Soil Pr	esent? Yes	No
estrictive La Type: Depth (inchermarks:	nes):	nepl	eter now	+r`x			Hydric Soil Pr	esent? Yes	No
estrictive La Type: Depth (inchermarks:	nes):	nepl	eter nox	+r.x			Hydric Soil Pr	resent? Yes	No
Type: Depth (inchemarks:	nes):	nepl	eter now	ナインメ			Hydric Soil Pr	esent? Yes	No
strictive La Type: Depth (inch marks:	nes):	nepl	etect max	ナゲンメ			Hydric Soil Pr	esent? Yes	No

Project/Site:	1 6 15
Are climatic / hydrologic conditions on the site typical for this time of year? Y Are Vegetation, Soil, or Hydrology significantly disturb Are Vegetation, Soil, or Hydrology naturally problema SUMMARY OF FINDINGS — Attach site map showing same	No (If no, explain in Remarks) bed? Are "Normal Circumstances" present? Yes No atic? (If needed, explain any answers in Remarks.)
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No No No	Is the Sampled Area within a Wetland?
Sumple point look creek of Serve	s as PFO 10p to NOWH-PFO-CATTZ
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1) True Aquatic Plants (B Hydrogen Sulfide Odo Saturation (A3) Oxidized Rhizosphere Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (C) Algal Mat or Crust (B4) Other (Explain in Rem Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations:	or (C1) Drainage Patterns (B10) s on Living Roots (C3) Moss Trim Lines (B16) Iron (C4) Dry-Season Water Table (C2) in Tilled Soils (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Surface Water Present? Water Table Present? Saturation Present? (Includes capillary fringe) Yes No Depth (inches): Depth (inches): Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previ	lous inspections), if available:
Meets 32, 133, D2 4 D5	

Sampling Point: 10/94-PFC VEGETATION (Four Strata) - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status **Number of Dominant Species** -104 746 That Are OBL, FACW, or FAC: (A) FAC 1cb/4 **Total Number of Dominant** Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply by: = Total Cover 50% of total cover: 75 **OBL** species x1=_ 20% of total cover: 110 FACW species ___ x2=__ Sapling/Shrub Stratum (Plot size: x3=__ **FAC** species FACU species x4= **UPL** species x5=____ Column Totals: __ (A) _____(B) 09501100 Prevalence Index = B/A = _ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.01 = Total Cover 4 - Morphological Adaptations¹ (Provide supporting 20% of total cover: 50% of total cover. _ data in Remarks or on a separate sheet) Herb Stratum (Plot size: Problematic Hydrophytic Vegetation¹ (Explain) Arunlinacco ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 Herb - All herbaceous (non-woody) plants, regardless Total Cover of size, and woody plants less than 3.28 ft tall. 20% of total cover:_ うじ 50% of total cover. 40 Woody vine - All woody vines greater than 3.28 ft in 11/L) Woody Vine Stratum (Plot size: **Hydrophytic** Vegetation Yes No Present? = Total Cover 50% of total cover: 20% of total cover: Remarks: (Include photo numbers here or on a separate sheet.)

Hydrophytic Vegetation is dominant

(inches) Color (moist) %		x Feature	Type Loc2	Texture	Remarks
1 Jan 4 10	Color (moist)	30	1 M	5a 6	, serious de la company de la
0-6 1040 713 110	10/14		- M		
e. 76 1092 4/2 60	1071-16	15	1 1/2	59 L	
	1571913	10	C M		
	10725/4	10	(4		
			تحديد		
	/ 5				
	-	-			
		_			
		_			
		-		2	N. S. I labor. Maldaddo
ype: C=Concentration, D=Depletion, RM	=Reduced Matrix, M	S=Masked	Sand Grains.	Location: PL=	Pore Lining, M=Matrix. rs for Problematic Hydric Soils ³ :
ydric Soil Indicators:	200	(07)			Muck (A10) (MLRA 147)
_ Histosol (A1)	Dark Surface		ce (S8) (MLRA 147	the state of the s	st Prairie Redox (A16)
_ Histic Epipedon (A2) _ Black Histic (A3)			(MLRA 147, 148)		ILRA 147, 148)
Hydrogen Sulfide (A4)	Loamy Gleye				mont Floodplain Soils (F19)
Stratified Layers (A5)	∠ Depleted Ma				ILRA 136, 147)
_ 2 cm Muck (A10) (LRR N)	Redox Dark	CONTRACTOR OF THE PARTY OF THE			r Shallow Dark Surface (TF12) er (Explain in Remarks)
_ Depleted Below Dark Surface (A11)	Depleted Da			000	ar (Explain in Nemarks)
Thick Dark Surface (A12)	Redox Depre		es (F12) (LRR N,		
_ Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)	MLRA 13		co (i iz) (zimin)		
Sandy Gleyed Matrix (S4)			(MLRA 136, 122)		tors of hydrophytic vegetation and
Sandy Redox (S5)	Pledmont Fle	oodplain S	oils (F19) (MLRA 1		nd hydrology must be present,
Chinned Metely (DO)	Red Parent	Material (F	21) (MLRA 127, 14	(7) unles	s disturbed or problematic.
_ Stripped Matrix (\$6)					
		*			
estrictive Layer (if observed): Type:				Hudric Soil Pr	esent? Yes X No
estrictive Layer (if observed): Type: Depth (inches):				Hydric Soil Pr	esent? Yes X No
estrictive Layer (if observed): Type: Depth (inches):				Hydric Soil Pi	resent? Yes X No
estrictive Layer (if observed): Type: Depth (inches):				Hydric Soil Pr	resent? Yes X No
estrictive Layer (if observed): Type: Depth (inches): emarks:				Hydric Soil Pi	esent? Yes X No
estrictive Layer (if observed): Type: Depth (inches): emarks:	e oleted v	natr	·i×	Hydric Soil Pi	resent? Yes X No
estrictive Layer (if observed): Type: Depth (inches):	epleted v	natr	ix	Hydric Soil P	resent? Yes X No
estrictive Layer (if observed): Type: Depth (inches): emarks: **Moots F3 - Depth (inches): Type: **Type: Type:					
estrictive Layer (if observed): Type: Depth (inches): emarks: **Moots F3 - Depth (inches): Type: **Property of the content					
estrictive Layer (if observed): Type: Depth (inches): emarks: **Moots F3 - Depth (inches): Type: **Property of the content					
estrictive Layer (if observed): Type: Depth (inches): emarks: **Moots F3 - Depth (inches): Type: **Type: Type:					
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estrictive Layer (if observed): Type: Depth (inches): emarks: **Moots F3 - Depth (inches): Type: **Property of the content					
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estrictive Layer (if observed): Type: Depth (inches): emarks: **Moots F3 - Depth (inches): Type: **Property of the content					
estrictive Layer (if observed): Type: Depth (inches): emarks: **Moots F3 - Depth (inches): Type: **Property of the content					
estrictive Layer (if observed): Type: Depth (inches): emarks: **Moots F3 - Depth (inches): Type: **Type: Type:					
estrictive Layer (if observed): Type: Depth (inches): emarks: **Moots F3 - Depth (inches): Type: **Type: Type:					
estrictive Layer (if observed): Type: Depth (inches): emarks: **Moots F3 - Depth (inches): Type: **Type: Type:					
estrictive Layer (if observed): Type: Depth (inches): emarks: Woots F3 - De					
estrictive Layer (if observed): Type: Depth (inches): emarks:					

WETLAND DETERMINATION DATA FORM – Ea	astern Mountains and Piedmont Region
Project/Site: Via - Pive Prac City/County	v: Jackson Two / Jackson Sampling Date: 8/2/17
Applicant/Owner: AEP	State: OH Sampling Point: WO65-VE
	ownship, Range: NO PLSS
	oncave, convex, none): COTCOLUE Slope (%): Z
Subregion (LRR or MLRA): LQQ N Lat: 39 1328470	Long: -82, 91539097 Datum:NAV8
Soll Map Unit Name: Pope 514 loam, from the file	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	
Are Vegetation, Soll, or Hydrology significantly disturbed?	
Are Vegetation , Soil , or Hydrology , naturally problematic?	
SUMMARY OF FINDINGS – Attach site map showing sampling	
Soliminate of This inco - Attach site map showing sumpling	ig point locations, transcots, important reatures, etc.
Hydrophytic Vegetation Present? Yes X No Is ti	he Sampled Area
Hydric Soil Present? Yes No with	hin a Wetland? Yes No
Wetland Hydrology Present? Yes X No No	
Sample point is broad in an	2011438 P My Frank 361100
as a DEM 120 +0 WOUS-PE	EM-CATI
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
✓ Surface Water (A1) True Aquatic Plants (B14)	Age
 	
Water Marks (B1) Presence of Reduced Iron	
Sediment Deposits (B2) Recent Iron Reduction in T	사람들이 되는 사람들이 가는 사람들이 가는 사람들이 되었다. 그리고 있는 사람들이 되었다면 보다 하는 것이다.
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remarks	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4) ★ FAC-Neutral Test (D5)
Aquatic Fauna (B13) Field Observations:	⚠ FAC-Neurial Test (D5)
Surface Water Present? Yes/_ No Depth (inches):	
Water Table Present? Yes X No Depth (Inches): O ''	
Saturation Present? Yes V No Depth (Inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	Inconstions) if available:
N A	s inspections), if available.
Remarks:	
Mosts Al no no no no	
Weets A1, AZ, A3, C8, D2, D5	
N)	

VEGETATION (Four Strata) - Use scientific names of plants. Sampling Point: NOGS-PEM Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Nane Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply by: = Total Cover OBL species x 1 = 50% of total cover: _ 20% of total cover: Sapling/Shrub Stratum (Plot size: 15 /2) FACW species _____ x 2 = ___ FAC species x 3 = FACU species ____ x 4 = ___ Vone observed UPL species ____ x 5 = ____ Column Totals: ______ (A) ______ (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation V 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ = Total Cover 4 - Morphological Adaptations1 (Provide supporting 20% of total cover: 50% of total cover: data in Remarks or on a separate sheet) Herb Stratum (Plot size: Problematic Hydrophytic Vegetation¹ (Explain) 1. Phalarus arundinacia ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. = Total Cover 50% of total cover: 20% of total cover: Woody vine - All woody vines greater than 3.28 ft In Woody Vine Stratum (Plot size: 30 12) height. NOW OBSERVED Hydrophytic Vegetation Yes X No_ Present? = Total Cover 50% of total cover: 20% of total cover:

Remarks: (Include photo numbers here or on a separate sheet.)

Hydrophytic vegetation is dominant

Depth	cription: (Describe to	o me dep				or confirm	i the absence	e or indicat	ors.)	
Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	x Feature %	Type ¹	Loc ²	Texture		Remarks	
0-2	10-112-11/2	100				7	SIL			
2-110	104125/1		10412416	20	0	wa 101		-		
-10	ID TIE - II	_00	10 110	-60		WHIL	012	<u></u>		
					-	_			_	
		_								
						-				
				_	_		_	-		
_			-		_	$\overline{}$		_		
					_					
	oncentration, D=Deple	etion, RM=	Reduced Matrix, MS	S=Masked	Sand Gr	ains.			ing, M=Matrix.	
	Indicators:		20.20	tori					roblematic Hy	
_ Histosol	the later of the l		Dark Surface		- 1001 4	# DA - 4=			A10) (MLRA 1	
Histic Ep Black His	oipedon (A2)		Polyvalue Be Thin Dark Su				148)	(MLRA 14	e Redox (A16)	
	n Sulfide (A4)		Loamy Gleye			7/, 140)			oodplain Solls	(F19)
	Layers (A5)		V Depleted Mat		-			(MLRA 13		
	ck (A10) (LRR N)		Redox Dark S	Surface (F	6)				v Dark Surface	(TF12)
	Below Dark Surface	(A11)	Depleted Dar					Other (Expla	in in Remarks)
	ork Surface (A12)	200	Redox Depre							
	lucky Mineral (S1) (LF	RR N,	Iron-Mangane		es (F12) (LRR N,				
	147, 148) leyed Matrix (S4)		MLRA 136		MI DA 12	4 122)	310	dicators of b	ydrophytic veg	notation and
Sandy (s			Official Surface							
			Piedmont Flo	odplain S	oils (F19)	(MLRA 14	8) w	etland hydro	oloav must be i	present.
_ Sandy R	edox (S5) Matrix (S6)		Piedmont Flo Red Parent M						ology must be posed or problem	
Sandy R	edox (S5)									
Sandy R	edox (S5) Matrix (S6)									
Sandy Roservictive L	edox (S5) Matrix (S6) .ayer (if observed):) u		ed or problem	
Sandy R Stripped estrictive L Type: Depth (inc	edox (S5) Matrix (S6) .ayer (if observed):) u	nless disturb	ed or problem	atic.
_ Sandy R _ Stripped estrictive L Type:	edox (S5) Matrix (S6) .ayer (if observed):) u	nless disturb	ed or problem	atic.
_ Sandy R- _ Stripped estrictive L Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):		Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
_ Sandy R- _ Stripped estrictive L Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
Sandy Roman Stripped estrictive Lateral Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
_ Sandy R- _ Stripped estrictive L Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
_ Sandy R- _ Stripped estrictive L Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
_ Sandy R- _ Stripped estrictive L Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
Sandy Ro Stripped estrictive L Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
Sandy Rostrictive L Type: Depth (incomarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
Sandy Ro Stripped estrictive L Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
Sandy Rostrictive L Type: Depth (incomarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
Sandy Ro Stripped estrictive L Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
_ Sandy R- _ Stripped estrictive L Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
_ Sandy R- _ Stripped estrictive L Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
Sandy Roman Stripped estrictive Lateral Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
Sandy Roman Stripped estrictive Lateral Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
_ Sandy R- _ Stripped estrictive L Type: Depth (incommarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
Sandy Rostrictive L Type: Depth (incomarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.
Sandy Ro Stripped strictive L Type: Depth (incomarks:	edox (S5) Matrix (S6) .ayer (if observed):	3 -	Red Parent M	faterial (F.	21) (MLR	A 127, 147) u	nless disturb	ed or problem	atic.

Project/Site: Vyu- Pinc		Eastern Mountain	s and Pledmont Region
	Ridge city/Co	ounty: Suckso	Sampling Date: 30/11
Applicant/Owner:			State: OM Sampling Point: WO 449
711 / M - C	P	n, Township, Range:	not divital by PLSS
1.		of (concave, convex, nor	11
1107	V		82.71574839 Datum: NADA
Subregion (LRR or MLRA):	_ Lat: 39, 133301		1/11
Soil Map Unit Name: Alloghory loar	8-15% 5/0 PE		NWI classification:/V//
Are climatic / hydrologic conditions on the site i	typical for this time of year? Ye	No	(If no, explain in Remarks.) .
Are Vegetation, Soil, or Hydrold	ogy significantly disturb	ed? Are "Normal	Circumstances" present? Yes No No
Are Vegetation, Soil, or Hydrold	ogy / naturally problemat	ic? (If needed, e	explain any answers in Remarks.)
			ns, transects, important features, etc.
SUMMART OF FINDINGS - Attach	Site map showing samp	pinig point rocalis	
Hydrophytic Vegetation Present? Yes	No	Is the Sampled Area	
Hydric Soil Present? Yes	Ale X	within a Wetland?	Yes No
Wetland Hydrology Present? Yes	No		
Remarks:	-1:000	efice bear	Cild +
Shaple point locat	vin avi z	cive hay	III SEVUES
as a splant for	+0 WO64-	FO-CATO	4 WOLGS - PEM-CATI
			10000 10110111
HYDROLOGY			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	d; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odo		Drainage Patterns (B10)
Saturation (A3)		s on Living Roots (C3)	
Water Marks (B1)	Presence of Reduced		Dry-Season Water Table (C2)
0 - 41 4 D 44- (D0)	Describing Deduction	in Tilled Soils (C6)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Recent Iron Reduction		Catanatian Maible on Apriol Imagon (CO)
Drift Deposits (B3)	Thin Muck Surface (C	7)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Algal Mat or Crust (B4)		7)	Stunted or Stressed Plants (D1)
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Thin Muck Surface (C7 Other (Explain in Rem	7)	Stunted or Stressed Plants (D1) Geomorphic Position (D2)
 Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) 	Thin Muck Surface (C7 Other (Explain in Rem	7)	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3)
 Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) 	Thin Muck Surface (C7 Other (Explain in Rem	7)	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4)
 Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) 	Thin Muck Surface (C7 Other (Explain in Rem	7)	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3)
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations:	Thin Muck Surface (Ca Other (Explain in Rem	7) arks)	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4)
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes N	Thin Muck Surface (CT Other (Explain in Rem	7) arks)	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4)
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Notes the present of	Thin Muck Surface (Carlotter) Other (Explain in Remote the Carlotter) Depth (inches): Depth (inches):	7) parks)	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Notes a considerable Present?	Thin Muck Surface (CT	7) arks) Wetland H	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Notes the present of	Thin Muck Surface (CT	7) arks) Wetland H	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Now Water Table Present? Yes Now Saturation Present? Yes Now (includes capillary fringe) Describe Reported Data (stream gauge, money)	Thin Muck Surface (CT	7) arks) Wetland H	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Now Yes Yes Now Yes Yes Now Yes Ye	Thin Muck Surface (CTOther (Explain in Removed) Depth (inches): Depth (inches): Depth (inches): itoring well, aerial photos, prev	7) arks) Wetland Frious Inspections), if ava	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Notes a capillary fringe Yes Notes a capillar	Thin Muck Surface (CTOther (Explain in Removed) Depth (inches): Depth (inches): Depth (inches): itoring well, aerial photos, prev	7) arks) Wetland Frious Inspections), if ava	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Now Yes Yes Now Yes Yes Now Yes Ye	Thin Muck Surface (CTOther (Explain in Removed) Depth (inches): Depth (inches): Depth (inches): itoring well, aerial photos, prev	7) arks) Wetland Frious Inspections), if ava	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Now Yes Yes Now Yes Yes Now Yes Ye	Thin Muck Surface (CTOther (Explain in Removed) Depth (inches): Depth (inches): Depth (inches): itoring well, aerial photos, prev	7) arks) Wetland Frious Inspections), if ava	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Now Yes Yes Now Yes Yes Now Yes Ye	Thin Muck Surface (CTOther (Explain in Removed) Depth (inches): Depth (inches): Depth (inches): itoring well, aerial photos, prev	7) arks) Wetland Frious Inspections), if ava	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Now Water Table Present? Yes Now Saturation Present? Yes Now (includes capillary fringe) Describe Reported Data (stream gauge, money)	Thin Muck Surface (CTOther (Explain in Removed) Depth (inches): Depth (inches): Depth (inches): itoring well, aerial photos, prev	7) arks) Wetland Frious Inspections), if ava	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Now Yes Yes Now Yes Yes Now Yes Ye	Thin Muck Surface (CTOther (Explain in Removed) Depth (inches): Depth (inches): Depth (inches): itoring well, aerial photos, prev	7) arks) Wetland Frious inspections), if ava	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Now Yes Yes Now Yes Yes Now Yes Ye	Thin Muck Surface (CTOther (Explain in Removed) Depth (inches): Depth (inches): Depth (inches): itoring well, aerial photos, prev	7) arks) Wetland Frious inspections), if ava	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Now Yes Yes Now Yes Yes Now Yes	Thin Muck Surface (CTOther (Explain in Removed) Depth (inches): Depth (inches): Depth (inches): itoring well, aerial photos, prev	7) arks) Wetland Frious inspections), if ava	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No
Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes Now Yes Yes Now Yes Yes Now Yes	Thin Muck Surface (CTOther (Explain in Removed) Depth (inches): Depth (inches): Depth (inches): itoring well, aerial photos, prev	7) arks) Wetland Frious inspections), if ava	Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Hydrology Present? Yes No

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

50% of total cover: _

50% of total cover: _

Sapling/Shrub Stratum (Plot size: 15//

% Cover Species? Status

= Total Cover

= Total Cover

= Total Cover

= Total Cover 20% of total cover:_

20% of total cover:__

PACU

FAW

FALU

20% of total cover:

20% of total cover:_

Tree Stratum (Plot size:

Herb Stratum (Plot size:

10.

Sampling Point NOTO4 + WOO **Dominance Test worksheet: Number of Dominant Species** That Are OBL, FACW, or FAC: **Total Number of Dominant** (B) Species Across All Strata: Percent of Dominant Species (A/B) That Are OBL, FACW, or FAC: Prevalence Index worksheet: Multiply by: Total % Cover of: **OBL** species **FACW** species **FAC** species **FACU** species **UPL** species Column Totals: Prevalence Index = B/A = _ Hydrophytic Vegetation Indicators: __ 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% __ 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) FACUL ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. **Definitions of Four Vegetation Strata:** Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine - All woody vines greater than 3.28 ft in height. **Hydrophytic** Vegetation Present?

Remarks: (Include photo numbers here or on a separate sheet.)

Woody Vine Stratum (Plot size: ______5' 'C__)

Upland Vegetation is dominant

50% of total cover: ___

0 5 3000 l

50% of total cover: 45

Sampling Point: NOG5 -UR

epth Matrix nches) Color (moist) %	Redox Features Color (moist) % Type¹ Loc²	Texture Remarks
/ //	Coloi (moistr // Type Loc	5,4
1-4 1014 413(00		5.4
1-15 1016 5/4 100		2. 66
pe: C=Concentration, D=Depletion, RM=R	Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix.
dric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Dark Surface (S7)	2 cm Muck (A10) (MLRA 147)
_ Histic Epipedon (A2)	Polyvalue Below Surface (S8) (MLRA 147	
_ Black Histic (A3)	Thin Dark Surface (S9) (MLRA 147, 148)	(MLRA 147, 148) Piedmont Floodplain Soils (F19)
_ Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	(MLRA 136, 147)
Stratified Layers (A5) 2 cm Muck (A10) (LRR N)	Depleted Matrix (F3) Redox Dark Surface (F6)	Very Shallow Dark Surface (TF12)
_ Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	Other (Explain in Remarks)
Thick Dark Surface (A12)	Redox Depressions (F8)	
Sandy Mucky Mineral (S1) (LRR N,	Iron-Manganese Masses (F12) (LRR N,	
MLRA 147, 148)	MLRA 136)	Show a good and the destruction and
_ Sandy Gleyed Matrix (S4)	Umbric Surface (F13) (MLRA 136, 122)	³ Indicators of hydrophytic vegetation and
_ Sandy Redox (S5)	 Piedmont Floodplain Soils (F19) (MLRA 1- Red Parent Material (F21) (MLRA 127, 14 	
_ Stripped Matrix (S6) estrictive Layer (if observed):	Red Parent Waterial (F21) (INLKA 121, 14	The state of the s
estrictive Layer (ii observed).		• · ·
Tunes		4_
Type:	-	Hydric Soil Present? Yes No
Depth (inches):	-	Hydric Soil Present? Yes No
· ·		Hydric Soil Present? Yes No
Depth (inches):emarks:		Hydric Soil Present? Yes No
Depth (inches):	Soils	Hydric Soil Present? Yes No
Depth (inches):	soils	Hydric Soil Present? Yes No
Depth (inches):	so:ils	Hydric Soil Present? Yes No
Depth (inches):emarks:	so:ils	Hydric Soil Present? Yes No
Depth (inches):	soils	Hydric Soil Present? Yes No
Depth (inches):	Soils	Hydric Soil Present? Yes No
Depth (inches): marks:	Soils	Hydric Soil Present? Yes No
Depth (inches): marks:	soils	Hydric Soil Present? Yes No
Depth (inches): marks:	soils	Hydric Soil Present? Yes No
Depth (inches):emarks:	Soils	Hydric Soil Present? Yes No
Depth (inches):emarks:	Soils	Hydric Soil Present? Yes No
Depth (inches):	Soils	Hydric Soil Present? Yes No
Depth (inches):	Soils	Hydric Soil Present? Yes No
Depth (inches):emarks:	Soils	Hydric Soil Present? Yes No
Depth (inches):emarks:	Soils	Hydric Soil Present? Yes No
Depth (inches):emarks:	Soils	Hydric Soil Present? Yes No
Depth (inches): marks:	Soils	Hydric Soil Present? Yes No
Depth (inches):	Soils	Hydric Soil Present? Yes No
Depth (inches):emarks:	Soils	Hydric Soil Present? Yes No

WETLAND DETERMINATION DAT	A FORM - Eastern Mountains and Piedmont Region
	City/County: Jackson Co Sampling Date: 8/2/19
1.2	State: 017 Sampling Point: N Class
Applicant/Owner: A3 B5m/NG?	Section, Township, Range: Not div. Led by DUS
16.01	Local relief (concave, convex, none): Con according Slope (%): 2
Landform (hillslope, terrace, etc.):	
	2019
Soil Map Unit Name: You fine Saly hom rare	
	e of year? Yes No (If no, explain in Remerks.)
Are Vegetation, Soll, or Hydrology signifi	
Are Vegetation, Soil, or Hydrology natura	ally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map sho	wing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes _x No	to the Complet Asse
Hydric Soil Present? Yes 😾 No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No	
Remarks:	C () 1
Surple goint located in	an wative hearfield
Serucs as a PEM repre	-sentative to WO100-PEM-CATI
a (I for Jepse	347. 2 170.000
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that a	
	uatic Plants (B14) Sparsely Vegetated Concave Surface (B8) n Sulfide Odor (C1) Drainage Patterns (B10)
	n Sulfide Odor (C1) Drainage Patterns (B10) Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)
	e of Reduced Iron (C4) Dry-Season Water Table (C2)
_ ` '	ron Reduction in Tilled Soils (C6)
	xk Surface (C7) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Ex	xplain in Remarks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	➤ Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	X FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes X No Depth (iii	nchae)
	. //
Water Table Present? Yes No Depth (in Saturation Present? Yes No Depth (in Depth (in No Depth (i	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if available:
Remarks:	
Kernarks.	
	700 0176
Mests A1, A7, A3, C8	02 400
11 (02.10	

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

Sampling Point: WOGE - PEM

h ()	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:) 1	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
		Total Number of Dominant Species Across All Strata: (B)
Nana observa		Percent of Dominant Species That Are OBL, FACW, or FAC:
		Prevalence Index worksheet:
		Total % Cover of: Multiply by:
154,981,583	= Total Cover	OBL species x1=
1011	20% of total cover:	FACW species x2=
apling/Shrub Stratum (Plot size: 15		FAC species x3 =
		FACU species x4 =
		UPL species x5=
		Column Totals: (A) (B)
4/		Column Totals(A)
None 065014-11		Prevalence Index = B/A =
		Hydrophytic Vegetation Indicators:
		1 - Rapid Test for Hydrophytic Vegetation
		2 - Dominance Test Is >50%
		3 - Prevalence Index is ≤3.0¹
	= Total Cover	4 - Morphological Adaptations (Provide supporting
50% of total cover:	20% of total cover:	1—
erb Stratum (Plot size:		data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
. Ly Schmuchi Nummutaria	10 110 03	Problematic Hydrophytic Vegetation (Explain)
Phylores Handinacca	10 4.5 EXEW	
bnollie Fraibilis	5 No FALL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		Definitions of Four Vegetation Strata:
		Tree - Woody plants, excluding vines, 3 in. (7.6 cm) of
		more in diameter at breast height (DBH), regardless o height.
		Sapling/Shrub - Woody plants, excluding vines, less
		than 3 in. DBH and greater than or equal to 3.28 ft (1
0		, m) tall.
	Total Cover	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover.	20% of total cover: 2!	Woody vine - All woody vines greater than 3.28 ft in
/oody Vine Stratum (Plot size:		height.
11		
Wire observal		
		Hydrophytic Vegetation
-	= Total Cover	Present? Yes No
	20% of total cover:	
50% of total cover:		

Depth Matrix	Dode			the absence of in	
(inches) Color (moist) %	Color (moist)	% Type ¹	Loc ²	Texture	Remarks
D-14 N3/ 95	10 8x 9/4	5 0	n	SIL	
112 1001	1- 11- 11-14			33 K	
			-		
	-				
					
and the second second second				24 continue Di =Do	ore Lining, M=Matrix.
Type: C=Concentration, D=Depletion, RM	=Reduced Matrix, M	S=Masked Sand G	rains.		for Problematic Hydric Soi
lydric Soll Indicators:	David Custinas	(67)			Muck (A10) (MLRA 147)
Histosol (A1)	Dark Surface	elow Surface (S8) (MI PA 147	The second secon	Prairie Redox (A16)
Histic Epipedon (A2) · Black Histic (A3)		Inface (S9) (MLRA			.RA 147, 148)
Hydrogen Sulfide (A4)		ad Matrix (F2)	,,	the second secon	ont Floodplain Soils (F19)
Stratified Layers (A5)	Depleted Ma			(ML	RA 136, 147)
2 cm Muck (A10) (LRR N)	Redox Dark				Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Depleted Da	rk Surface (F7)		Other	(Explain in Remarks)
_ Thick Dark Surface (A12)	Redox Depre				
Sandy Mucky Mineral (S1) (LRR N,		ese Masses (F12)	(LRR N,		
MLRA 147, 148)	MLRA 13			3,	an against ann an an an an an an
_ Sandy Gleyed Matrix (S4)		ice (F13) (MLRA 1			rs of hydrophytic vegetation a
_ Sandy Redox (S5)		oodplain Soils (F19			I hydrology must be present, disturbed or problematic.
Stripped Matrix (S6) lestrictive Layer (if observed):	Red Parent	Material (F21) (MLI	M 127, 147). unless	distanced of problemate.
14.00 P. 10.00 P. 10					27.7
Type:	_			Hydric Soil Pres	ant? Van X
				Hydric Son Free	Seller 1605 NO
Depth (inches):					
Depth (inches):					
Remarks:	0.10	4 matri	,		
temarks:	ny Elleye	d matri	4		
-1A 1944 1940 CO			ć.		
emarks:	m Gleye		ć.	*	
lemarks:			ć.	*	
Remarks:			K	*	
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meets F2-löan			•	*	
meets F2-loan			(
meets F2-loan			(
meets F2-löan			(
meets F2-loan			C		
meets F2-löan			•		
meets F2-löan					
meets F2-löan					

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region City/County: Tackson Two Tackson Sampling Date: 8 2 17 Project/Site: 1190 - Pine Ridge Applicant/Owner: ____ AFP State: Sampling Point: WOG7-PEM Section, Township, Range: NO PLSS Investigator(s): Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): (ACCO se Slope (%): 2 ? Subregion (LRR or MLRA): <u>LQQN</u> Lat: <u>79\317410</u> Long: <u>827(372767</u> Datum: <u>NADR3</u> Soil Map Unit Name: Poss five Soundy Joan Forces Flooded NWI classification: PEMIC Are climatic / hydrologic conditions on the site typical for this time of year? Yes ____ No ____ (If no, explain In Remarks.) Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes _____ No _____ Are Vegetation ______, Soll ______, or Hydrology ________ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. **Hydrophytic Vegetation Present?** Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Yes Remarks: Sample point located in a NWI wetland a represents DEM conditions of WOGT-PEM-CATI **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Surface Water (A1) ___ True Aquatic Plants (B14) Dralnage Patterns (B10) ✓ High Water Table (A2) Hydrogen Sulfide Odor (C1) ___ Moss Trim Lines (B16) X Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) ___ Dry-Season Water Table (C2) Water Marks (B1) Presence of Reduced Iron (C4) Recent Iron Reduction In Tilled Solls (C6) Sediment Deposits (B2) _ Crayfish Burrows (C8) ___ Saturation VIsible on Aerial Imagery (C9) Thin Muck Surface (C7) __ Drlft Deposits (B3) Stunted or Stressed Plants (D1) _ Algal Mat or Crust (B4) Other (Explain in Remarks) $\underline{\lor}$ Geomorphic Position (D2) Iron Deposits (B5) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) Water-Stained Leaves (B9) X FAC-Neutral Test (D5) Aquatic Fauna (B13) Fleid Observations: Yes X No Depth (Inches): Surface Water Present? Yes X No Depth (Inches): Water Table Present? Yes Y No ____ Depth (Inches):_ Wetland Hydrology Present? Yes __X__ No_ Saturation Present? (Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Mec+S A1, A7, A3, D2 4 D.

	Absoluto	Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 (2)	% Cover	Species? Status	
1			Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2. None observed			That Aic OBE, I AOW, OF IAO.
Z. THORK DVBOIVED	_		Total Number of Dominant
3			Species Across All Strata: (B)
4			Dercent of Deminent Species
5			Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6			That we obe, I now, or the.
7			Prevalence Index worksheet:
h	_		Total % Cover of: Multiply by:
		= Total Cover	OBL species x 1 =
50% of total cover:	20% of	total cover:	
Sapling/Shrub Stratum (Plot size: 5 2			FACW species x 2 =
1,			FAC species x 3 =
2			FACU species x 4 =
3. None Ouserved			UPL species x 5 =
			Column Totals: (A) (B)
4			Column Totals (A)
5			Prevalence Index = B/A =
6			
7			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
8	_		2 - Dominance Test is >50%
9			3 - Prevalence Index is ≤3.0¹
		= Total Cover ^t	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:	
Herb Stratum (Plot size: 5 0)			data in Remarks or on a separate sheet)
1. Phalarus axindinacea	95	Y FAIN	Problematic Hydrophytic Vegetation ¹ (Explain)
2.0noclea sensivilis		N FACW	
	5	10 THEW	¹ Indicators of hydric soil and wetland hydrology must
3,	_	=	be present, unless disturbed or problematic.
4			Definitions of Four Vegetation Strata:
5			Bollinsons of Four Togolation Gualat
6			Tree – Woody plants, excluding vines, 3 ln. (7.6 cm) or
			more in diameter at breast height (DBH), regardless of
7			helght.
8	_		Sapling/Shrub – Woody plants, excluding vines, less
9			than 3 in. DBH and greater than or equal to 3.28 ft (1
10.			m) tall.
11			
117	100		Herb – All herbaceous (non-woody) plants, regardless
		= Total Cover	of size, and woody plants less than 3.28 ft tall.
50% of total cover:	20% or	total cover: 20	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 12)			height.
1,			
2. None observed			· ·
2			
3,			
4	7		Hydrophytic
5			Vegetation
		= Total Cover	Present? Yes No
50% of total cover:	20% of	total cover:	
Remarks: (Include photo numbers here or on a separate s		domina	

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

3/29/2018 12:50:56 PM

in

Case No(s). 18-0030-EL-BTX

Summary: Application (filed in 15 Parts) electronically filed by Ms. Christen M. Blend on behalf of AEP Ohio Transmission Power Company, Inc.