WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Sandpiper		City/County:	Wader	a	Sampling Date:	09/12	2/2014	
Applicant/Own	er: Enbridge		-	State:	MN	Sampling P	oint:	WA021a5	U
Investigator(s):	DPT			Section	n, Townsl	hip, Range:			
Landform (hills	lope, terrace, etc.):	Rise	L	ocal relief	(concave	e, convex, none):	Conv	/ex/Convex	
Slope (%): 1	Lat.:	Long.:		Da	tum:				
Soil Map Unit N	lame				NW	I Classification:			
Are climatic/hy	drologic conditions c	f the site typical for this	time of the ye	ar?	(lf n	o, explain in remark	(s)		
Are vegetation	, soil	, or hydrology	significar	ntly disturb	ed?	Are "normal			
Are vegetation	, soil	, or hydrology	naturally	problemat	tic?	circumstances"	prese	ent? Ye	es
(If needed, exp	lain any answers in	remarks)							

SUMMARY OF FINDINGS

Hydrophytic vegetation present? Hydric soil present?	<u>N</u> N	Is the sampled area within a wetland? NN
Indicators of wetland hydrology present?	<u>N</u>	If yes, optional wetland site ID:
Remarks: (Explain alternative procedures h	here or in a se	eparate report.)

HYDROLOGY

		Secondary Indicators (minimum of two		
Primary Indicators (minimum of one is requ	required)			
Surface Water (A1)	Water-Stained Leaves (B9)	Surface Soil Cracks (B6)		
High Water Table (A2)	Aquatic Fauna (B13)	Drainage Patterns (B10)		
Saturation (A3)	Marl Deposits (B15)	Moss Trim Lines (B16)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living	Crayfish Burrows (C8)		
Drift Deposits (B3)	Roots (C3)	Saturation Visible on Aerial Imagery		
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	(C9)		
Iron Deposits (B5)	Recent Iron Reduction in Tilled	Stunted or Stressed Plants (D1)		
Inundation Visible on Aerial	Soils (C6)	Geomorphic Position (D2)		
Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)		
Sparsely Vegetated Concave	Other (Explain in Remarks)	FAC-Neutral Test (D5)		
Surface (B8)		Microtopographic Relief (D4)		
Field Observations:				
Surface water present? Yes	No X Depth (inches):	Indicators of		
Water table present? Yes	No X Depth (inches):	wetland		
Saturation present? Yes	No X Depth (inches):	hydrology		
(includes capillary fringe)		present? N		
Describe recorded data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if available:		
Remarks:				

٦

90 = Total Cover Herb - All herbaceous (non-woody) plants, regardles size, and woody plants less than 3.28 ft tall	EGETATION - Us	se scientific r	names of plants	S			Sampling Poir	nt: WA021
Ifter Stratum Pick Size (30 ft) % Cover Species Status The Stratum 14 35 Populus remulaides 70 Y FAC Species Status Species Spec							50/20 Thresholds	
Populus tremulaides Ye Cver Species Status Ifee Stratum 14 35 70 Y FAC FAC Species/Shub Stratum 10 25 70 Y FAC Herb Stratum 18 45 70 Total Cover Dominant Species Shut ser COBL 2 (A 70 Total Cover FACW, or FAC: 2 (A 70 Total Cover Species Across all Stratus 5 (B 70 Total Cover Species Across all Stratus 5 (B 70 Total Cover Y FACU Total % Cover of: OAD Stratus 5 (B) 70 Total Cover Y FACU Total % Cover of: OAD Stratus 5 (C) OAD Stratus 700 (A) 700	T		00 (Absolute	Dominant	Indicator		20% 50%
Populus tranuloides 70 Y FAC SaplingShnub Stratum 10 25 Image: Stratum 0 0 0 0 0 0 0 0 0 0 Image: Stratum 0 <td>I ree Stratum</td> <td>Plot Size (</td> <td>30 ft)</td> <td></td> <td></td> <td></td> <td>Tree Stratum</td> <td></td>	I ree Stratum	Plot Size (30 ft)				Tree Stratum	
Herb Stratum 18 45 Woody Vine Stratum 0 0 Image: Stratum Image: Stratum 0 Image: Stratum Image: Stratum 2 (A Image: Stratum Total Cover Species Araros all Strata: 5 (B Image: Stratum Plot Size (15 ft) % Cover Species Species That are OBL, FACW, or FAC:	Donuluo tromulo	idaa						
Woody Vine Stratum 0 0 Dominance Test Worksheet Number of Dominant Species that are OBL, FACW, or FAC: 2 (A Total Number of Dominant Species And as Biomaz 5 Stratum Plot Size (15 ft) Absolute Year Absolute Dominant Species And as Biomaz Corplus cornuta 40 Y FACU Pervalence Index Worksheet Total % Cover 0: OBL species 0 Species Nature 0 Y FACU Provalence Index Worksheet Total % Cover 0: OBL species 0 Species 0 X = 0 FAC species 30 Y FACU Prevalence Index = B/A = 3.62 Woody Vine Species 3.62 Prevalence Index = B/A = 3.62 Woody Vine Y FACU Prevalence Index is 5.0% Total % Cover Species 0 Y = Stratum Plot Size (5 ft) Module Oominant Indicator set is 5.0% Pervalence Index is 5.0% FACU Prevalence Index is 5.0% FACU Prevalence Index is 5.0% FACU Problema	Populus tremulo	nues		70	T	FAC		
Image: Second Status Image: Second Status Image: Second								
Image: Species Status Number of Dominant apling/Shrub Plot Size (15 ft) Absolute Dominant Corplus cornula 40 Y FACU Prevent of Dominant Corplus cornula 40 Y FACU Provision of Dominant Provision of Dominant Corplus cornula 40 Y FACU Provision of Dominant Corplus cornula 40 Y FACU Provision of Dominant							Woody Vine Stratum	0 0
Image: Species Status Number of Dominant apling/Shrub Plot Size (15 ft) Absolute Dominant Corplus cornula 40 Y FACU Prevent of Dominant Corplus cornula 40 Y FACU Provision of Dominant Provision of Dominant Corplus cornula 40 Y FACU Provision of Dominant Corplus cornula 40 Y FACU Provision of Dominant								
							Dominance Test Workshee	et
							Number of Dominant	
minimized in the second sec								
image: constraint of the second se								2 (
								<u> </u>
70 = Total Cover ispling/Shrub Plot Size (15 ft) Stratum 40 Y <i>Populus comuta</i> 40 Y <i>Populus tremuloides</i> 10 Y 10 Y FACU <i>Populus tremuloides</i> 10 Y 200 Y FACU <i>Populus tremuloides</i> 10 Y 201 Y FACU 202 Prevalence Index Worksheet O 202 Total Cover Prevalence Index Worksheet 202 Prevalence Index Edition Indicators: Rapid lest for Mydrophytic vegetation Indicators: 203 Y FACU Probeinatic Sorgeois 204 Y FACU Probeinate adaptations' (provide superatersis 205 = Total Cover Y FACU 203 Y FACU Problematic hydrophytic vegetation* 204 Y FACU Seprelence Index Edit S								_ ,
Absolute Dominant Indicator Stratum Plot Size (15 ft) Absolute 0 Y Papulus tremuloides 10 Y Image: Stratum 10 Y Papulus tremuloides 10 Y Image: Stratum 10 Y PACW, or FAC: 40.00% (A Provember Stratum 10 Y Image: Stratum 10 Y Image: Stratum Piot Size (5 ft) Pop pratemosis 0 X = 0 Image: Stratum Plot Size (5 ft) Pop pratemosis 60 Y FACU Provelence Index Stratum Plot Size (5 ft) Pop pratemosis 60 Y FACU Provelence Index Stratum Size (5 ft) Pop pratemosis 60 Y FACU Provelence Index Stratum Size (5 ft) Pop araterisitie 90 Total Cover Problematic Indicators Provelence Index Stratum 90 Total Cover Secles							Species Across all Strata:	5 (
apling/Shrub Plot Size (15 ft () Absolute Dominant Indicator Species Status FACU FACU FACU FACU Prevalence Index Worksheet Total % Cover of: OBL Objuits tremuloides 10 Y FAC FAC Prevalence Index Worksheet Total % Cover of: OBL OBL OBL OBL Absolute OBL Total % Cover of: OBL OBL OBL Absolute Total % Cover of: OBL OBL ABSolute Total % Cover of: OBL OBL ABSolute Total % Cover of: OBL OBL Total % Cover of: OBL Total % Cover of: OBL Total % Cover of: OBL Total % Cover free				70	= Total Cover		Percent of Dominant	
apling/Shrub Piot Size (15 ft () Absolute Dominant Indicator Stratum 40 Y FACU Prevalence Index Worksheet Corylus comuta 40 Y FACU Prevalence Index Worksheet Populus tremuloides 10 Y FAC DBL species 0 x 1 = 0 Stratum FAC Sepecies 0 x 2 = 0 FACU species 0 x 2 = 0 FACU species 0 x 5 = 0 Columa totalis 210 (A) 760 (B) Prevalence Index is 210 (A) 760 (B) Prevalence Index is 3.0° FACU species 0 x 5 = 0 x 5 = 0 Columa totalis 210 (A) 760 (B) Prevalence Index is 3.0°								
Stratum Piot Size (15 ft) % Cover Species Status Populus comuta 40 Y FACU Prevalence Index Worksheet Populus tremuloides 10 Y FAC Image: Species 0 x1 = 0 FAC Species 0 x1 = 0 FACU Species 0 x3 = 240 FACU Species 0 x1 = 0 Facu Total Cover New Cover of Status Prevalence Index Morksheet Facu Total Species 50 Status Prevalence Index Morksheet Facu Total Cover Y FACU Prevalence Index Morksheet Probeination Status 0 Y FACU Prevalence Index Morksheet Provalence Index M	anling/Shruh			Absolute	Dominant	Indicator	-	40.00% (
Corylus cornula 40 Y FACU Populus tremulaides 10 Y FAC 10 Y FAC OBL species 0 x 1 = 0 FAC species 0 x 2 = 0 FAC species 10 x 4 = 520 FAC species 10 x 4 = 520 FAC species 10 x 4 = 520 FAC species 10 x 5 = 0 FAC species 10 x 4 = 520 Column totalis 210 (A) 760 (B) 760 (B) 760 (B) Pervalence Index is 3.0° Y FACU Dominant Pap ratensis 50 = Total Cover Prevalence Index is 3.0° Pervalence Index is 3.0° Y FACU Dominant sheetin Totydrophytic vegetation Pop pratensis 90 = Total Cover Provalence Index is 3.0° Provalence Index is 3.0° Morphogical adaptations' (provide supporting data in Remarks or on a supporting data in Remarks		Plot Size (15 ft)				TACW, OFTAC.	40.00 /8 (
Populus tremuloides 10 Y FAC Image: stream of the stream of	Stratum		,	% Cover	Species	Status		
Populus tremuloides 10 Y FAC Image: stream of the stream of	Corvlus cornuta			40	Y	FACU	Prevalence Index Workshe	et
Operation manage 0 1 1 1 OBL species 0 x 1 = 0 FAC species 0 x 2 = 0 FAC species 0 x 3 = 240 FAC species 0 x 4 = 0 FAC species 0 x 4 = 0 Column totals 210 (A) 760 (B Prevalence Index = B/A = 3.62 Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation Pap pratensis 60 Y FACU Prevalence Index = B/A = 3.62 Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation Pap pratensis 60 Y FACU Prevalence index is \$3.0° Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet) separate sheet) Supporting data in Remarks or on a separate sheet) Separate sheet) Problematic hydrophytic vegetation* (explain) "indicator so thydric sol and wetland hydrology must present, unless disturbed or problematic Definitions of Vegetation Strata: Tree - Woody plants less than 3 in. DBH a greater than 3.28 ft tall. Woody plants less than 3.28 ft tall.								
FACW species 0 x 2 = 0 FAC species 80 x 3 = 240 FAC species 100 x 4 = 50 FAC species 0 x 5 = 0 Column tatals 210 (A) 760 (B) Prevalence Index = B/A = 3.62 3.62 100 (A) Prevalence Index = B/A = 3.62 100 (A) 100 (A) Prevalence Index = B/A = 3.62 100 (A) (A) (A) (A) Prevalence Index = B/A = 3.62 100 (A) (A)<		1000		10	<u> </u>	T AC		
FAC species 80 x3 = 240 FACU species 130 x4 = 520 UPL species 0 x5 = 0 Column totals 210 (A) 760 (B Prevalence Index = B/A = 3.62 130 x4 = 520 UPL species 0 x5 = 0 column totals 210 (A) 760 (B Prevalence Index = B/A = 3.62 130 x4 = 520 130 x4 = 520 Prevalence Index = B/A = 3.62 130 x5 = 0 Column totals 210 (A) 760 (B Prevalence Index = B/A = 3.62 130 Y FACU Prevalence Index = B/A = 3.62 Prevalence Index = S/A = 0 Y FACU Prevalence Index = S/A = 3.62 Prevalence Index = S/A = 0 Y FACU Prevalence Index = S/A = 3.62 Prevalence Index = S/A = 0 Y FACU Prevalence Index = Is/A = 3.62 Prevalence Index = Is/A = 0 Y FACU Trevalence Index = Is/A = 3.6					·			
Image: statum Plot Size (5 ft) Poa pratensis 60 90 Y FACU Species 1 Status 1 Prevalence Index = B/A = 1 Solute 1 Dominant 1 Norphogical dasptations* (provide supporting data in Remarks or on a separate sheet) 1 Problematic hydrophytic vegetation* (explain) 1 1								
Image: statum Plot Size (5 ft () Absolute Dominant Indicator Absolute Species Status FACU Prevalence Index = B/A =								= 240
Image: statum Plot Size (5 ft () Absolute Dominant Indicator Pap pratensis 60 Y FACU Prevalence Index = B/A =							FACU species 130 x 4	= 520
Image: status Image: status<								= 0
ierb Stratum Plot Size (5 ft) Absolute Dominant Indicator Poa pratensis 60 Y FACU Prevalence index is ≤3.0° Pteridium aquilinum 30 Y FACU Prevalence index is ≤3.0° Pteridium aquilinum 30 Y FACU Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation*								760 (
50 = Total Cover 4erb Stratum Plot Size (5 ft) Poa pratensis 60 90 a pratensis 60 Pteridium aquilinum 30 Y FACU Previdence index is 2.0 °. Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) "Indicator of hydric soil and wetland hydrology must present, unless disturbed or problematic 90 = Total Cover 90 = Total Cover Woody Vine Plot Size () Moody Vine Plot Size () 0 = Total Cover Moody Vine Plot Size () 0 = Total Cover 0 = Total Cover Hydrophytic vegetation 3.28 ft iil. Woody Vine Plot Size () 0 = Total Cover 0 = Total Cover Hydrophytic vegetation present? N								
Hydrophytic Vegetation Indicators: Poe pratensis 60 Poe pratensis 60 Pteridium aquilinum 30 Y FACU Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) "Indicators" Woody Vine Stratum Plot Size (Moody Vine Stratum Plot Size (Moody Vine Plot Size (Moody Vine Plot Size (0 — <							Frevalence index = D/A =	3.02
Hydrophytic Vegetation Indicators: Absolute Dominant Indicator Poe pratensis 60 Y FACU Pteridium aquilinum 30 Y FACU Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation*								
Herb Stratum Plot Size (5 ft () Absolute % Cover Dominant % Cover Indicator % FACU Rapid test for hydrophytic vegetation (Dominance test is >50%) Pae pratensis 60 Y FACU Prevalence index is \$3.0* Pteridium aquilinum 30 Y FACU Prevalence index is \$3.0* Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet)				50	= Total Cover			
Herb Stratum Plot Size (Hydrophytic Vegetation In	dicators:
Herb Stratum Plot Size (Laula Otractorea			Absolute	Dominant	Indicator	Rapid test for hydrophyti	c vegetation
Poa pratensis 60 Y FACU Prevalence index is ≤3.0* Pteridium aquilinum 30 Y FACU Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation*	Herb Stratum	Plot Size (510)	% Cover	Species	Status	Dominance test is >50%	-
Pteridium aquilinum 30 Y FACU Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet)	Poa pratensis			60	·	FACU		
supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) **Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic		num						
	r tenulum aquill	lum				1 ACU		
Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic Image: Stratum Image: Stratum Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic Image: Stratum Image: Stratum Plot Size () Absolute Dominant Stratum Plot Size (Image: Stratum Image: Stratus Image: Stratus Image: Stratus <						·		irks or on a
Image: Solution of the solution							Problematic hydrophytic	vegetation*
							(explain)	
							*Indicators of hydric soil and wetlag	nd hydrology mu
Image: status Image: status<							-	, ,,
Image: stratum Image							F	
Image: stratum Image							Definitions of Vegetation 6	troto.
woody Vine Plot Size () Absolute Dominant Indicator Stratum 90 = Total Cover Herb - All herbaceous (non-woody) plants, regardless size, and woody plants less than 3.28 ft tall. Woody Vine Plot Size () Absolute Dominant Indicator Stratum 0 = Total Cover Status Herb - All herbaceous (non-woody) plants, regardless size, and woody plants less than 3.28 ft tall. Woody vines 0 = Total Cover Status Hydrophytic vegetation present?							Demitions of Vegetation 3	mala.
woody Vine Plot Size () Absolute Dominant Indicator Stratum 90 = Total Cover Herb - All herbaceous (non-woody) plants, regardless size, and woody plants less than 3.28 ft tall. Woody Vine Plot Size () Absolute Dominant Indicator Stratum 0 = Total Cover Status Herb - All herbaceous (non-woody) plants, regardless size, and woody plants less than 3.28 ft tall. Woody vines 0 = Total Cover Status Hydrophytic vegetation present?							Tree - Woody plants 3 in (7.6 cm)	or more in diam
Sapling/shrub - Woody plants less than 3 in. DBH a greater than 3.28 ft (1 m) tall. 90 = Total Cover Woody Vine Stratum 90 Plot Size () Absolute % Cover % Cover Species Status Woody vines - All woody vines greater than 3.28 ft tall. Woody vines								
Image: statum Image: statum<								lioigini
woody Vine Plot Size () Absolute Dominant Indicator Stratum Plot Size () Absolute Dominant Species Status Woody Vine							Sapling/shrub - Woody plants less	s than 3 in DBH
90 = Total Cover Woody Vine Plot Size (Stratum Absolute Dominant % Cover Species Stratus Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft tall. Woody vines - All woody vines								
Woody Vine Stratum Plot Size () Absolute % Cover Dominant Species Indicator Status Herb - All herbaceous (non-woody) plants, regardles size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. Woody vines - All woody vines greater than 3.28 ft in height. Image: Stratum Image: Stratus Herb - All herbaceous (non-woody) plants, regardles size, and woody plants less than 3.28 ft tall. Image: Stratum Image: Stratus Image: Stratus Herb - All herbaceous (non-woody) plants, regardles size, and woody plants less than 3.28 ft tall. Image: Stratum Image: Stratus Image: Stratus Herb - All herbaceous (non-woody) plants, regardles size, and woody plants less than 3.28 ft tall. Image: Stratum Image: Stratus Image: Stratus Herb - All herbaceous (non-woody) plants, regardles Image: Stratum Image: Stratus Image: Stratus Herb - All herbaceous (non-woody) plants, regardles Image: Stratum Image: Stratus Image: Stratus Herb - All herbaceous (non-woody) plants, regardles Image: Stratus Image: Stratus Image: Stratus Herb - All herbaceous (non-woody) plants, regardles Image: Stratus Image: Stratus Image: Stratus Herb - All herbaceous (non-woody) plants, regardles Image: Stratus </td <td></td> <td></td> <td></td> <td>00</td> <td>- Total Covor</td> <td></td> <td>5 · · · · · · · · · · · · · · · · · · ·</td> <td></td>				00	- Total Covor		5 · · · · · · · · · · · · · · · · · · ·	
Woody Vine Stratum Plot Size () Absolute % Cover Dominant Species Indicator Status size, and woody plants less than 3.28 ft tall. Woody vines				90			Herb - All herbaceous (non-woodv) plants, regardl
Woody Vine Stratum Plot Size () Absolute % Cover Dominant Species Indicator Status								
Stratum % Cover Species Status Woody vines - All woody vines greater than 3.28 ft in height.	Woody Vine	Plot Size (١					
	Stratum	1 101 0120 ()	% Cover	Species	Status	Woody vines - All woody vines are	eater than 3.28 f
Image: Description of the second s								
Hydrophytic vegetation present? N								
Hydrophytic vegetation present? N								
0 = Total Cover vegetation present? N								
0 = Total Cover vegetation present? N							Hydrophytic	
0 = Total Cover present? N							vegetation	
				0	= Total Cover		-	
narks: (Include photo numbers here or on a separate sheet)								
	marks: (Include pho	oto numbers he	ere or on a separa	te sheet)				
			a or on a separa	io sheel)				

SOIL Sampling Point: WA021a5U								
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix			lox Fea			Texture	Remarks
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**		Komanto
10	10 YR 3/2						Loamy sand	
16	10 YR 4/4						Sand	
20	10 YR 4/3	95	10 YR 4/6	5	С	М	Sand	
*Type: C=C	Concentration D	-Deplet	ion RM=Reduce	ed Matri	x CS=C	overed o	r Coated Sand Grains	
	PL=Pore Lining,				x, 00-0			
	I Indicators:						Indicators for Prob	olematic Hydric Soils:
Black Histic (A3) Thin Dark Surface (S9) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R Hydrogen Sulfide (A4) (LRR R, MLRA 149B Dark Surface (S7) (LRR K, L Stratified Layers (A5) Loamy Mucky Mineral (F1) Depleted Below Dark Suface (A11) (LRR K, L) Thick Dark Surface (A12) Loamy Gleyed Matrix (F2) Thin Dark Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Depleted Daeled Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 149) Sandy Redox (S5) Depleted Dark Surface (F7) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Stripped Matrix (S6) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) *Indicators of hydrophytic vegetation and weltand hydrology must be present, unless disturbed or problematic Piedmont problematic								67) (LRR K, L v Surface (S8) (LRR K, L) ice (S9) (LRR K, L) e Masses (F12) (LRR K, L, R) plain Soils (F19) (MLRA 149B) FA6) (MLRA 144A, 145, 149B) erial (F21) ark Surface (TF12) n Remarks)
Restrictive Layer (if observed): Type: Hydric soil present? N Depth (inches): N N N								
Remarks:								