WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	09/18/14	
Applicant: Enbridge											Pennington		
Investigators: MRK/OTG				Subregion (MLRA or LRR): MLRA 56								MN	
Soil Unit:	I27A							I Classification	:				
Landform:	Side slope			0.44		cal Relief:		20445000			Sample Point	u-154n44w33-o1	
Slope (%):	3 - 7%	and the same of the same that a same the same th	Latitude: 4					39445000	Datum:				
		nditions on the site				ar? (If no, ex				□ No	Section:		
Are Vegetation		□, or Hydrology	•	•			Are	e normal circun	-	esent?	Township:	5 :	
Are Vegetation		□, or Hydrology	⊔aturally	/ proc	piematic?				□ No		Range:	Dir:	
SUMMARY C			N	L					Lludria Cail	la Duacant?	Ne		
Hydrophytic Vegetation Present? Wetland Hydrology Present?				No No				Hydric Soils Present? No Is This Sampling Point Within A Wetland?				etland? No	
Remarks:		nt <i>r</i> sample point is a f			oostod upok	one from a	hordwo	and awaren	is this sai	mpling Poin	it vvitnin A vv	eliand? No	
Remarks.	The upland	sample point is a	ioresteu a	irea io	ocated upsi	ре пош а	a naruwo	ou swamp.					
HADBOLOC	V												
HYDROLOG													
	•	icators (Check all	I that apply	y; Mir	nimum of on	e primary	or two s	econdary requi	red):				
<u>Primary</u>		Motor				D11 Colt	Crust			Secondary:		Soil Crooks	
□ A1 - Surface Water □ A2 - High Water Table				□ B11 - Salt Crust □ □ B13 - Aquatic Fauna □							B6 - Surface Soil Cracks B8 - Sparsely Vegetated Concave Surface		
	A3 - Saturatio			☐ C1 - Hydrogen Sulfide Odor ☐							B10 - Drainage Patterns		
	B1 - Water M					C2 - Dry S						Rhizospheres on Living Roots	(tilled)
	B2 - Sedimen	•						spheres on Living educed Iron	Roots (not till	• -	C8 - Crayfish		
	B3 - Drift Dep B4 - Algal Ma					C7 - Thin I				H	D2 - Geomorp	n Visible on Aerial Imagery	
	B5 - Iron Dep					Other (Exp		400		_	D5 - FAC-Neu		
		n Visible on Aerial Im	nagery				,				D7 - Frost-He	aved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves											
Field Obser													
Surface Wat		Yes □		epth:		_ (in.)			Wetland H	lydrology F	Present?	N	
Water Table		Yes		epth:		_ (in.)				.,		<u></u>	
Saturation Present? Yes Depth: (in.)													
Cataration		res 🗆	<u>ل</u>	ериі.		- (111.)							
		stream gauge, moni				• ` '	pections),	, if available:					
	corded Data (s		itoring well,	, aeria	al photos, pr	evious insp	pections),	, if available:					
Describe Rec Remarks:	corded Data (s	tream gauge, moni	itoring well,	, aeria	al photos, pr	evious insp	pections),	, if available:					
Describe Rec Remarks:	corded Data (s No primary	stream gauge, moni or secondary hydr	itoring well, ological in	, aeria	al photos, protors were ob	evious inspectived.							
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-154n44w33-o1		
VEGETATIO		re non-native	species.)				
Tree Stratum ((Plot size: 30 ft. radius)				Dansinanaa Taat Wankakaat		
4	Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet		
1.	Populus tremuloides	60	Y	FAC	N		
2.	Ulmus americana	25	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC:3(A)		
3.	Quercus macrocarpa	5	N	FACU			
4.	Acer negundo	5	N	FAC	Total Number of Dominant Species Across All Strata: 6 (B)		
5.							
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)		
7.							
8.					Prevalence Index Worksheet		
9.					Total % Cover of: Multiply by:		
10.					OBL spp. $\begin{array}{cccccccccccccccccccccccccccccccccccc$		
	Total Cover =	= 95			FACW spp. $0 x 2 = 0$		
					FAC spp135		
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp60		
1.	Cornus racemosa	30	Y	FAC	UPL spp40		
2.	Viburnum lentago	15	Y	FACU			
3.	Quercus macrocarpa	5	N	FACU	Total 235 (A) 845 (B)		
4.							
5.					Prevalence Index = B/A = 3.596		
6.							
7.							
8.					Hydrophytic Vegetation Indicators:		
9.					Rapid Test for Hydrophytic Vegetation		
10.					Dominance Test is > 50%		
	 Total Cover =	50			Prevalence Index is ≤ 3.0 *		
			_		Morphological Adaptations (Explain) *		
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Carex pensylvanica	40	Υ	NI			
2.	Fragaria virginiana	20	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be		
3.	Parthenocissus vitacea	15	N	FAC	present, unless disturbed or problematic.		
4.	Amphicarpaea bracteata	15	N	FACU	Definitions of Vegetation Strata:		
5.							
6				,	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast		
7.					height (DBH), regardless of height.		
8.							
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.		
10.							
11.							
12.					Herb - All herbaceous (non-woody) plants, regardless of size.		
13.					FIGID - via monacous (mon mose)// Pramis, regimences of ones.		
14.							
15.					Woody Vines - All woody vines, regardless of height.		
15.	Total Cayor	00			Woody Villes - All Woody Villes, Tegardiess of Height.		
	Total Cover =	= 90	_				
Woody Vine St	ratum (Plot size: 30 ft. radius)						
1.							
2.							
3.					Hydrophytic Vegetation Present?N		
5.							
4.	7.110						
	Total Cover =						
Remarks: The upland canopy is dominated by quaking aspen and American elm. The shrub layer is predominantly grey dogwood and nannyberry. Pennsylvania sedge and Virginia strawberry dominate the ground cover.							
Additional Remarks:							