WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/13/14	
Applicant:		Enbridge							_	Pennington		
Investigators							-	MLRA 56		State:	<u>MN</u>	
Soil Unit: Landform:	IGp Talf			Local I	Relief:		Classification:	PEIVICX		Sample Point:	u-154n44w31-d1	
Slope (%):	0 - 2%	I atitu	de: 48.12			-96.361	5807	Datum:			4-13-11-4-W31-U1	
. , ,		nditions on the site typic						✓ Yes	□ No	Section:		
Are Vegetation				disturbed?	Ī		e normal circum			Township:		
Are Vegetation			•	olematic?				□ No		Range:	Dir:	
SUMMARY OF FINDINGS												
• •	Vegetation Pr			Hydric Soils Present								
	Irology Prese	No	No Is This Sampling Poi polygon within a gravel pit area near a private gravel road. Weedy legum									
Remarks:		-	IVVI polyg	on within a grav	el pit a	rea neai	r a private grave	el road. We	edy legum	es and quack g	rass dominate the site. No	
wetland indicators were observed.												
HYDROLOGY Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):												
_		cators (Check all that a	apply; Mii	nimum of one pr	imary o	or two se	econdary requir	ed):	Sacandaru			
<u>Primary</u> : □	<u>.</u>	Vater		□ B11	- Salt C	Crust			Secondary:	<u>:</u> B6 - Surface Soil	Cracks	
	A2 - High Water Table					ic Fauna					getated Concave Surface	
	A3 - Saturation					gen Sulfid				B10 - Drainage F		
	B1 - Water Ma B2 - Sediment						ter Table spheres on Living l	Roots (not till		C8 - Oxidized Rr	nizospheres on Living Roots (tilled)	
	B3 - Drift Depo						duced Iron	110010 (1101 1111	` <u> </u>	,	/isible on Aerial Imagery	
	B4 - Algal Mat					uck Surfa	ace			D2 - Geomorphic		
	B5 - Iron Depo	osits n Visible on Aerial Imagery		□ Oth	er (Expl	aın)			П	D5 - FAC-Neutra	il Test ed Hummocks (LRR F)	
	B9 - Water-Sta	0 1							_	27 Troot Houve	od Hammoone (Errivi)	
Field Observ	vations:											
Surface Wat	er Present?	Yes □	Depth:	((in.)			Wetland H	lydrology	Present?	N	
Water Table		Water Table Present? Yes Depth: (in.) Wetland Hydrology Present? N										
Saturation Present? Yes Depth: (in.)												
Saturation P	resent?	Yes 🗆	Depth:		(in.)							
		Yes □ tream gauge, monitoring	<u> </u>			ections),	if available:					
	orded Data (s		well, aeri	al photos, previou	us inspe	ections),	if available:					
Describe Rec	orded Data (s	tream gauge, monitoring	well, aeri	al photos, previou	us inspe	ections),	if available:					
Describe Reconstruction Remarks:	orded Data (s No primary o	tream gauge, monitoring or secondary hydrologic	well, aeri	al photos, previou	us inspe /ed.	·		dicators)				
Describe Reconstruction Remarks: SOILS Profile Descri	orded Data (s No primary of	tream gauge, monitoring	well, aerical indica	al photos, previous tors were observated the indicato	us insperved.	nfirm the	e absence of in					
Describe Reconstruction Remarks: SOILS Profile Descri	orded Data (s No primary of	tream gauge, monitoring or secondary hydrologic oe to the depth needed	well, aerical indica	al photos, previous tors were observated the indicato	us insperved.	nfirm the	e absence of in					
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Describe Recordance Remarks: SOILS Profile Description (Type: C=Concerdance) Depth (In.) 0-14 0-14 14-18 NRCS Hydr	ric Soil Field A1- Histosol A2 - Histic Epi A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Depleted A12 - Thick Da S1 - Sandy Mu S2 - 2.5 cm M	tream gauge, monitoring or secondary hydrologic oe to the depth needed etion, RM=Reduced Matrix, Color (Moist) 2/1 3/1 4/3 Indicators (check hydrologic of the color) pedon tic of Sulfide Cayers (LRR F) ok (LRR FGH) of Below Dark Surface ark Su	well, aerical indicate to docume s=Covered % 60 36 59 nere if ind	al photos, previous tors were observators were observators were observators were observators were observators. Color (Mois Hue_10YR Hue_10YR Hue_2.5Y Hue_2.5Y Hue_2.5Y Hue_2.5Y Hue_2.5YR icators are not publicators are not publicators are not publicators. S5 - Sandy Redox S6 - Stripped Matter F1 - Loamy Mucky F2 - Loamy Gleye F3 - Depleted Matter F6 - Redox Dark S7 - Depleted Dark F6 - Redox Deprese F8 - Re	us insperved. or or cos; Locati 5/8 2/1 7/1 5/4 3/6 oresent or ix y Minera d Matrix crix Surface k Surface ssions	Mottle % 4 10 20 1	e absence of incore Lining, M=Matri	Location M M M M O O O O O O O O O O O O O O O	SCL SCL SCL SCL SCL SCL SCL SCL A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	mixed pebbles and good for Problematic Solution (LRR I, J) to Prairie Redox (LRR G) Plains Depressions good Vertic Parent Material of Shallow Dark Surain in Remarks)	gravel	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-154n44w31-d1				
					•				
VEGETATIO	N (Species identified in all uppercase	are non-native	species.)						
Tree Stratum ((Plot size: 30 ft. radius)								
	Species Name	<u>% Cover</u>	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet				
1.									
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)				
3.									
4.					Total Number of Dominant Species Across All Strata:3(B)				
5.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					OBL spp 0				
	Total Cover	= 0	FACW spp. $0 X 2 = 0$						
					OBL spp. 0				
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp 100 x $4 = 400$				
1.					UPL spp. $\underline{\qquad}$ $X 5 = \underline{\qquad}$				
2.									
3.					Total 105 (A) 415 (B)				
4.									
5.					Prevalence Index = B/A = 3.952				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					Dominance Test is > 50%				
	Total Cover	= 0			Prevalence Index is ≤ 3.0 *				
					Morphological Adaptations (Explain) *				
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Elymus repens	35	Υ	FACU					
2.	Trifolium repens	20	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.	Melilotus officinalis	20	<u>.</u> Ү	FACU	present, unless disturbed or problematic.				
4.	Lotus corniculatus	15	N	FACU	Definitions of Vegetation Strata:				
5.	Plantago major	5	N	FAC					
6	Poa pratensis	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Ambrosia artemisiifolia	5	N	FACU	height (DBH), regardless of height.				
8.	This read and more			17100					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
10.		1			Gapinig/Ginab				
11.									
12.	1				Herb - All herbaceous (non-woody) plants, regardless of size.				
13.	J				TICID The state of				
14.									
15.	<u> </u>				Woody Vines - All woody vines, regardless of height.				
15.	Total Cause	405			Woody Villes - All Woody Villes, Tegardiess of Height.				
	Total Cover	= 105	_						
144 1 17 0									
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1.									
2.		_			II. Local dia Variatina Barando N				
3.					Hydrophytic Vegetation Present?N				
5.									
4.	<u> </u>								
	Total Cover								
Remarks:	The sample site is dominated by quack gra	ass, white clo	over, and s	sweet clov	er.				
Additional Remarks:									
Ī									