WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/14/14	
Applicant: Enbridge										County:	Red Lake	
Investigators: NTT/BEH				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Soil Unit:	159A						I Classification:					
Landform:	Rise				cal Relief:					Sample Point:	u-151n41w34-a1	
Slope (%):	3 - 7%		Latitude: 47.8		Longitude:		-	Datum:				
		nditions on the site			ar? (If no, exp			⊡Yes		Section:		
Are Vegetation D Soil O or Hydrology Ognific						Are normal circumstances present?			esent?	Township:		
Are Vegetation	problematic?		☑ Yes □No			Range:	Dir:					
SUMMARY C												
Hydrophytic V	es				Hydric Soils Present? No							
Wetland Hydrology Present?				No			Is This Sampling Poir			nt Within A We	etland? No	
Remarks:	The upland	point is located on	n a rise in a ti	lled soybean f	ield. No ve	egetatior	n is present thre	oughout the	area besid	les small pock	ets of clover and horsetail.	
HYDROLOG	Y											
Wetland Hy	drology Ind	icators (Check all	that apply; N	linimum of on	e primary	or two s	econdary requi	red):				
Primary:					,		···· , ···	/	Secondary:	<u>:</u>		
A1 - Surface Water					B11 - Salt (B6 - Surface S		
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface	
	 A3 - Saturation B1 - Water Marks 				C1 - Hydro C2 - Dry Se						e Patterns Rhizospheres on Living Roots (till	(bali
	B2 - Sedimen			H	C3 - Oxidiz	ed Rhizos	spheres on Living	Roots (not till	⊮ □	C8 - Crayfish E		ieu)
	B3 - Drift Dep				C4 - Prese	nce of Re	duced Iron				Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin N		ace			D2 - Geomorp		
	B5 - Iron Dep				Other (Exp	lain)			_	D5 - FAC-Neu		
	B7 - Inundatio B9 - Water-St	n Visible on Aerial Im	lagery							D7 - Frost-Hea	wed Hummocks (LRR F)	
	D9 - Water-St	aneu Leaves										
Field Observ	vations:											_
		Yes D	D		(im)							
Surface Wate				h:				Wetland H	lydrology	Present?	Ν	
Water Table		Yes		h:								
Saturation Pr	resent?	Yes 🖵	Saturation Present? Yes Depth: (in.)									
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Describe Reco	orded Data (s	stream gauge, moni	itoring well, a	erial photos, pr	,	ections),	if available:					
Describe Reco Remarks:		stream gauge, monit hydrology indicato		erial photos, pr	,	ections),	if available:					
				rial photos, pr	,	ections),	if available:					
Remarks: SOILS	No wetland	hydrology indicato	ors present.		evious insp							
Remarks: SOILS Profile Descri	No wetland ption (Descri	hydrology indicato be to the depth ne	eeded to docu	iment the indi	evious insp	onfirm th	e absence of ir					
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-151n41w34-a1
VEGETATIO Tree Stratum	N (Species identified in all uppercase ar (Plot size: 30 ft. radius)	e non-native	species.)		
nee olialam	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)
3.					
<u>4.</u> 5.					Total Number of Dominant Species Across All Strata: 1 (B)
5. 6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 = 0
	Total Cover =	0			FACW spp. $0 \times 2 = 0$
					FAC spp. $1 \times 3 = 3$
	Stratum (Plot size: 15 ft. radius)				FACU spp. $1 x 4 = 4$ UPL spp. $0 x 5 = 0$
1. 2.					$\frac{1}{1} \qquad 0 \qquad x \qquad 5 \qquad 0 \qquad 0$
3.					Total 2 (A) 7 (B)
4.					
5.					Prevalence Index = B/A = 3.500
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.		0			X Dominance Test is > 50%
	Total Cover =	0	_		Prevalence Index is ≤ 3.0 *
Herb Stratum (Plot size: 5 ft. radius)				Morphological Adaptations (Explain) * Problem Hydrophytic Vegetation (Explain) *
1.	Trifolium hybridum	1	N	FACU	
2.	Equisetum arvense	1	Y	FAC	* Indicators of hydric soil and wetland hydrology must be
3.					present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					_
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7. 8.					
0. 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.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	2	_		
Woody Vine St	rratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? Y
5.					
4.				_	
Domortica	Total Cover =			ofield	
Remarks:	Small pockets of clover and horsetail are sca		iugriout (N	e neiù.	
Additional F	Remarks:				
. to all of all 1					