WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/29/14					
Applicant: Enbridge							County:	Red Lake								
Investigators: NTT/BEH				Subregion (MLRA or LRR): MLRA 56							MN					
Soil Unit:																
Landform:	Depression			Lc	cal Relief:	CC				Sample Poin	t: w-152n42w31-a1					
Slope (%):	3 - 7%		Latitude: 47.	939571	Longitude:	-96.077	547	Datum								
Are climatic/	hydrologic co	nditions on the site	e typical for	this time of ye	ar? (If no, ex	plain in rem	arks)	⊡Yes	🗆 No	Section:						
Are Vegetati		🖵 or Hydrology		ly disturbed?			e normal circur	nstances pr	esent?	Township:						
							Yes	⊡No .		Range:	Dir:					
Are Vegetation Soil or Hydrology Aturally problematic? Yes No Range: Dir: Dir:																
Hydrophytic Vegetation Present? Yes Hydric Soils Present? Yes																
			Yes								/etland? Yes					
Wetland Hydrology Present? Yes Is This Sampling Point Within A Wetland? Yes Remarks: The wetland is a seasonally-flooded basin located in a planted soybean field. The soybeans are stunted, most likely due to wet conditions in the spring. The																
Remarks: The wetland is a seasonally-flooded basin located in a planted soybean field. The soybeans are stunted, most likely due to wet conditions in the spring. The wetland vegetation is dominated by weeds.												ng. me				
			icu by weed													
HYDROLOG																
Wetland Hy	drology Ind	icators (Check all	that apply; I	Minimum of or	ne primary	or two s	econdary requi	red):								
Primary				_		_			Secondary							
A1 - Surface Water					B11 - Salt					B6 - Surface						
	A2 - High Wa A3 - Saturatio				B13 - Aqua C1 - Hydro						Vegetated Concave Surface	ce				
	B1 - Water M				C2 - Dry S						Rhizospheres on Living Ro	oots (tilled)				
	B2 - Sedimen						spheres on Living	Roots (not til								
	B3 - Drift Dep				C4 - Prese						on Visible on Aerial Imagery	/				
	B4 - Algal Ma			_	C7 - Thin M		ace			D2 - Geomor						
	B5 - Iron Dep				Other (Exp	olain)				D5 - FAC-Ne						
		n Visible on Aerial Im	nagery							D7 - Frost-He	aved Hummocks (LRR F)					
	B9 - Water-Si	ained Leaves														
<u> </u>																
Field Obser		_														
	er Present?	_	Dep	th:	(in.)			Wetland H	lydrology	Present?	Y					
Water Table		Yes 🔲	Dep	th:					.,		<u> </u>					
Saturation P	resent?	Yes 🛛	Dep	th:	(in.)		Saturation Present? Yes Depth: (in.)									
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:																
Describe Rec	orded Data (s	stream gauge, moni	itoring well, a	erial photos, pr	evious insp	pections).	if available:									
					-			n soil crack	ing and lan	dscape posit	ion					
Describe Rec Remarks:		stream gauge, moni wetland hydrology			-			n soil crack	ing and lan	dscape posit	ion.					
Remarks:					-			n soil crack	ing and lan	dscape posit	ion.					
Remarks: SOILS	No primary	wetland hydrology	indicators p	resent. Wetla	nd hydrolo	is ass	sumed based o		ing and lan	dscape posit	ion.					
Remarks: SOILS Profile Descr	No primary		eeded to doc	resent. Wetla	nd hydrolo	ogy is ass	sumed based o e absence of ir	ndicators.)	ing and lan	dscape posit	ion.					
Remarks: SOILS Profile Descr	No primary	wetland hydrology be to the depth ne	eeded to doc	resent. Wetla	nd hydrolo	ogy is ass	sumed based o e absence of ir	ndicators.)	ing and lan	dscape posit	ion.					
Remarks: SOILS Profile Descr	No primary	wetland hydrology be to the depth ne	eeded to doc	resent. Wetla	nd hydrolo	ogy is ass	e absence of in ore Lining, M=Mat	ndicators.)	ing and lan	dscape posit	ion.					
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: w-152n42w31-a1			
VEGETATION	N (Species identified in all uppercase ar Plot size: 30 ft. radius)	e non-native	species.)					
Tree Stratum (<u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet			
1.		<u>/// 00/01</u>	Dominant	<u>Ind.otdtd5</u>				
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)			
3.					、			
4.					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 $x = 0$			
	Total Cover =	0	_		FACW spp. 5 $x = 10$			
			FAC spp. 20 x 3 = 60					
	Stratum (Plot size: 15 ft. radius)				FACU spp. 5 x 4 = 20			
1. 2.					UPL spp. 0 x 5 = 0			
3.					Total <u>30</u> (A) <u>90</u> (B)			
<u> </u>	<u> </u>				Total <u>30</u> (A) <u>90</u> (B)			
5.	<u> </u>				Prevalence Index = B/A = 3.000			
6.	J							
7.								
8.					Hydrophytic Vegetation Indicators:			
9.					Rapid Test for Hydrophytic Vegetation			
10.					X Dominance Test is > 50%			
	Total Cover =	0	_		X Prevalence Index is ≤ 3.0 *			
					Morphological Adaptations (Explain) *			
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Echinochloa crus-galli	20	Y	FAC				
2.	Rumex fueginus	5	N	FACW	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
3.	Chenopodium album	5	N	FACU				
4. 5.					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.								
14.								
15.					Woody Vines - All woody vines, regardless of height.			
	Total Cover =	30						
144								
Woody Vine Str 1.	ratum (Plot size: 30 ft. radius)							
1. 2.								
3.					Hydrophytic Vegetation Present? Y			
5.								
4.								
	Total Cover =	0						
Remarks: The wetland vegetation is very sparse but dominated by barnyard grass and Tierra del Fuego dock.								
Additional R	iemarks:							