## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/14/14	
Applicant:		Enbridge								County:	Red Lake	
Investigators	<b>3</b> :	NTT/BEH			Subregion	n (MLRA	or LRR):	MLRA 56		State:	MN	
Soil Unit:	159A					NWI	Classification					
Landform:	Rise			_ Lo	cal Relief:	CV				Sample Point	u-151n41w34-d1	
Slope (%):	3 - 7%		Latitude: 47.85		Longitude:		315	Datum		1		
		nditions on the site						⊡Yes	□No	Section:		
Are Vegetati		☐ or Hydrology			x1 1 (11 110; 0xp		normal circun			Township:		
Are Vegetati		or Hydrology				7410	✓ Yes	□No	Cociit:		Dir:	
			Liturally pro	DDIEITIALIC!			<u> </u>			Range:	DII.	
SUMMARY C												
Hydrophytic '	0		No						ils Present?			
Wetland Hyd			No					Is This Sa	mpling Poir	nt Within A W	etland? <b>No</b>	
Remarks:			n a rise on the	edge of a till	ed soybea	ın field. N	lo vegetation is	s present th	roughout th	ne area beside	es small pockets of clover and	
	fringe of this	stle.										
<b>HYDROLOG</b>	Υ											
Wetland Hy	drology Ind	icators (Check all	that annly: M	inimum of or	e nrimary	or two se	condary requi	red).				
Primary		icators (Crieck all	tilat apply, ivi	illillialli oi oi	e primary	OI TWO SE	condary requi	ieu).	Secondary			
	A1 - Surface	Nater		П	B11 - Salt (	Crust				<u>.</u> B6 - Surface S	Soil Cracks	
A2 - High Water Table					B13 - Aqua						Vegetated Concave Surface	
	A3 - Saturatio									B10 - Drainage Patterns		
	B1 - Water M			☐ C2 - Dry Season Water Table ☐							Rhizospheres on Living Roots (tilled	
	B2 - Sedimen						pheres on Living	Roots (not til		C8 - Crayfish I		
	B3 - Drift Dep B4 - Algal Ma				C4 - Preser C7 - Thin M					D2 - Geomorp	n Visible on Aerial Imagery	
	B4 - Algai Ma B5 - Iron Dep				Other (Expl		ice			D5 - Geomorp		
1 5		n Visible on Aerial Im	agery	_	Other (Exp	iairi)					aved Hummocks (LRR F)	
l =	B9 - Water-S								_		(= ,	
Field Obser	vations:											
Surface Wat	er Present?	Yes 🔲	Depth	·	(in.)							
Water Table		Yes 🗆		·				Wetland I	Hydrology	Present?	N	
Saturation P		Yes 🗆			(in.)						<del></del>	
Saturation Present? Yes Depth: (in.)												
		stream gauge, moni		rial photos, pr	evious insp	ections),	if available:					
Describe Rec Remarks:		stream gauge, moni hydrology indicato		rial photos, pr	evious insp	ections),	if available:					
Remarks:				rial photos, pr	evious insp	ections),	if available:					
Remarks: SOILS	No wetland	hydrology indicato	ors present.		·	·						
Remarks:  SOILS Profile Descri	No wetland	hydrology indicato	ors present.	ment the indi	cator or co	onfirm the	e absence of ir					
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Remarks:  SOILS Profile Descri	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma	ors present.	ment the indi	cator or co	onfirm the	e absence of ir ore Lining, M=Mati			1		
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland  iption (Description)  Hue 10YR  Hue 2.5Y  Hue 2.5Y  A1- Histosol  A2 - Histic Ep  A3 - Black His  A4 - Hydroge  A5 - Stratifice  A11 - Deplete  A12 - Thick D  S1 - Sandy M  S3 - 5 cm Mu  S4 - Sandy G	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  5/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR leyed Matrix	eeded to docu eatrix, CS=Covere  % 100 90  neck here if inc	ment the indi d/Coated Sand  Color (  Hue_10YR  Hue_5YR  dicators are I  S5 - Sandy F  S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox E F6 - Redox E F6 - Redox E F7 - Depleted F8 - Redox E	Moist)  6/8 4/6  Auticky Mineral Matrix Mucky Mineral Matrix Mark Surface I Dark Surface pressions ains Depres	monfirm the chion: PL=Po  Mottle  %  5  5  tt):	e absence of ir ore Lining, M=Matr es Type C C	Location  M M C C C C C C C C C C C C C C C C C	Indicators A9 - 1 cm M A16 - Coas S7 - Dark S F16 - High I TF2 - Red F TF12 - Very Other (Expl	for Problematic Muck (LRR I, J) I Prairie Redox i uurface (LRR G) Plains Depressie ced Vertic Parent Material I Shallow Dark S ain in Remarks)	C Soils <sup>1</sup> (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)  Surface	
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n41w34-d1				
<b>VEGETATION</b>		non-native	species.)						
Tree Stratum (	Plot size: 30 ft. radius)								
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet				
1.									
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)				
3.									
4.					Total Number of Dominant Species Across All Strata: 2 (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 x 1 = 0				
	Total Cover =	0			FACW spp. 0 x 2 = 0				
	10101 00101		_		FAC spp. 0 x 3 = 0				
Capling/Chrub (	Stratum (Plot size: 15 ft. radius)				FACU spp. 20				
1.	Stratum (Flot size: 15 it. radius)				UPL spp. 0				
2.					Οι Ε ορρ. <u> </u>				
					Total 20 (A) 00 (D)				
3.					Total 20 (A) 80 (B)				
4.					5				
5.					Prevalence Index = B/A = 4.000				
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.	Trifolium hybridum	15	Υ	FACU					
2.	Cirsium arvense	5	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.					present, unless disturbed or problematic.				
4.					Definitions of Vegetation Strata:				
5.					Definitions of Vogetation offata.				
6					Tree				
7.					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.				
8.					Carling (Charle Woody plants loss than 2 in DDH regardless of height				
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 =	20							
	-		_						
Woody Vine Str	ratum (Plot size: 30 ft. radius)								
1.									
2.				_					
3.					Hydrophytic Vegetation Present? N				
5.									
4.									
- <del>-</del>	Total Cover =	0		_					
Remarks:	Small scattered pockets of alsike clover and		Canada ti	histle are	nresent				
Remarks.	Small scattered pockets of alsike clover and	a minge of	Cariaua ii	ilisue are	present.				
Additional R	Remarks:								