## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/02/14		
Applicant:		Enbridge								County:	Red Lake		
Investigators	<b>3</b> :		Subregion (MLRA or LRR): MLRA 56						State:	MN			
Soil Unit:	s: BJC/RAJ Subregion (MLRA or LRR): MLRA 56  I38A NWI Classification:												
Landform:	Tread Local Relief: LL									Sample Point:	u-150n41w1-g1		
Slope (%):	0 - 2%		Latitude: 47	7 843935		de: -95.852	327	Datum:					
		nditions on the site						☑Yes	□No	Section:			
Are Vegetati		or Hydrology		ntly disturb	•		e normal circun						
						71	⊒ Yes	□No	esent:	Township:	D' .		
Are Vegetati		☐ or Hydrology	Litturally	problemati	C?		□ Tes			Range:	Dir:		
SUMMARY (													
Hydrophytic			No	)					Is Present?				
Wetland Hyd			No					Is This Sa	mpling Poin	t Within A W	etland? <b>No</b>		
Remarks:	The upland	sample point is loo	cated in a g	grassland o	n a tread of	a large bar	nk that leads in	to the Lost F	River. The a	area is domin	ated by smooth bror	me and	
Remarks: The upland sample point is located in a grassland on a tread of a large bank that leads into the Lost River. The area is dominated by smooth brome and Kentucky bluegrass.													
HYDROLOG													
		icators (Check all	l that apply;	; Minimum	of one prima	ary or two s	econdary requi	red):					
Primary									Secondary:				
	A1 - Surface				☐ B11 - S						B6 - Surface Soil Cracks		
	A2 - High Wa					quatic Fauna					Vegetated Concave Su	ırface	
	A3 - Saturation B1 - Water M					drogen Sulfic y Season Wa				B10 - Drainage	e Paτterns Rhizospheres on Living	Dooto (tillod)	
	B2 - Sedimen						spheres on Living	Poots (not till		C8 - Crayfish E		(tilled)	
	B3 - Drift Dep					esence of Re		Roots (not till			n Visible on Aerial Imag	nerv	
I 5	B4 - Algal Ma					in Muck Surfa				D2 - Geomorp		JCI y	
I	B5 - Iron Dep				Other (		400			D5 - FAC-Neu			
		n Visible on Aerial Im	nagery		_ · · · ·	F - 7				D7 - Frost-Hea	aved Hummocks (LRR	F)	
	B9 - Water-S	ained Leaves	0 ,								,	,	
Field Obser	vations:												
	er Present?	Yes 🔲	Do	epth:	(in.								
		=						Wetland F	lydrology I	Present?	N		
Water Table				epth:							_		
Saturation Present? Yes Depth: (in.)													
Cataration		103	De	spin	(111.								
		stream gauge, moni		· —			, if available:						
Describe Rec	orded Data (s	stream gauge, moni	itoring well,	aerial photo			, if available:						
	orded Data (s		itoring well,	aerial photo			, if available:						
Describe Rec Remarks:	orded Data (s	stream gauge, moni	itoring well,	aerial photo			, if available:						
Describe Rec Remarks:	orded Data (s	stream gauge, moni	itoring well, ology were	aerial photo observed.	s, previous i	nspections),		ndicators )					
Describe Rec Remarks: SOILS Profile Descr	orded Data (s  No indicato  iption (Descr	stream gauge, moni	itoring well, ology were	aerial photo observed.	s, previous i	nspections),	e absence of ir						
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Describe Rec Remarks: SOILS Profile Descr	orded Data (s  No indicato  iption (Descr	stream gauge, moni rs of wetland hydro be to the depth ne etion, RM=Reduced Ma	itoring well, ology were	aerial photo observed.	s, previous i	nspections), r confirm th ocation: PL=P	e absence of ir ore Lining, M=Mati						
Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce	orded Data (s  No indicato  iption (Descr	stream gauge, moni rs of wetland hydro be to the depth ne etion, RM=Reduced Ma Matrix	itoring well, ology were eeded to do atrix, CS=Cov	aerial photo observed.	e indicator o	r confirm th	e absence of ir ore Lining, M=Mati	ix)	Toytura		Pomorko		
Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce	No indicato  No indicato  iption (Description, D=Depl	be to the depth neetion, RM=Reduced Matrix Color (Moist)	itoring well, plogy were eeded to do atrix, CS=Cov	aerial photo observed.  comment the vered/Coated % Co	s, previous i	nspections), r confirm th ocation: PL=P	e absence of ir ore Lining, M=Mati		Texture		Remarks		
Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce	orded Data (s  No indicato  iption (Descr	stream gauge, moni rs of wetland hydro be to the depth ne etion, RM=Reduced Ma Matrix	itoring well, plogy were eeded to do atrix, CS=Cov	aerial photo observed.	e indicator o	r confirm th	e absence of ir ore Lining, M=Mati	ix)	Texture FSL		Remarks		
Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce	No indicato  No indicato  iption (Description, D=Depl	be to the depth neetion, RM=Reduced Matrix Color (Moist)	itoring well, plogy were eeded to do atrix, CS=Cov	aerial photo observed.  comment the vered/Coated % Co	e indicator o	r confirm th	e absence of ir ore Lining, M=Mati	ix)	1		Remarks		
Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce	No indicato  No indicato  iption (Description, D=Depl	be to the depth neetion, RM=Reduced Matrix Color (Moist)	itoring well, plogy were eeded to do atrix, CS=Cov	aerial photo observed.  comment the vered/Coated % Co	e indicator o	r confirm th	e absence of ir ore Lining, M=Mati	ix)	1		Remarks		
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Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.)	No indicato  No indicato  iption (Description, D=Depl	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1	blogy were eeded to do atrix, CS=Cov	aerial photo observed. ocument the vered/Coated % Co	e indicator o	r confirm th	e absence of ir ore Lining, M=Mati es Type	ix)	1		Remarks		
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Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce	No indicato  No indicato  No indicato  Iption (Descriptration, D=Depi	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  Indicators (ch	blogy were eeded to do atrix, CS=Cov	aerial photo observed.  coment the vered/Coated  % Co 00  f indicators	s, previous i	r confirm th	e absence of ir ore Lining, M=Mati es Type	Location	Indicators 1 A9 - 1 cm M	luck (LRR I, J)	c Soils <sup>1</sup>		
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce	No indicato  No indicato  Iption (Description, D=Deption, D=Deption)  Hue_10YR  A1- Histosol A2 - Histic Ep	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  Indicators (chippedon	blogy were eeded to do atrix, CS=Cov	aerial photo observed.  coment the vered/Coated  % Co 00  f indicators  \$\Begin{array}{c} \S5 - \Sa \\ \S6 - \Str \\ \S7 - \	s, previous i	r confirm the ocation: PL=P  Mottl % seent):	e absence of ir ore Lining, M=Mati es Type	Location	Indicators 1 A9 - 1 cm M	luck (LRR I, J) Prairie Redox (	c Soils¹ (LRR F, G, H)		
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce	No indicato  No indicato  iption (Description, D=Depi  Hue_10YR  A1- Histosol A2 - Histic Ep A3 - Black His	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  Indicators (chippedon etic)	blogy were eeded to do atrix, CS=Cov	aerial photo observed.  coument the vered/Coated  % Co 00  f indicators  S5 - Sa S6 - Str F1 - Loo	s, previous i	r confirm the ocation: PL=P  Mottl % sent):	e absence of ir ore Lining, M=Mati es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S	luck (LRR I, J) Prairie Redox ( urface (LRR G)	<del>c Soils<sup>1</sup></del> (LRR F, G, H)		
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce)  Depth (In.) 0-18  NRCS Hydr	iption (Description, D=Deplication)  Hue_10YR  A1- Histosol A2 - Histic Ep. A3 - Black His A4 - Hydroge	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 Indicators (chippedon stic n Sulfide	blogy were eeded to do atrix, CS=Cov	aerial photo observed.  cument the vered/Coated  % Co 00  f indicators  S5 - Sa S6 - Str F1 - Lo; F1 - Lo; F2 - Lo;	s, previous i	r confirm the ocation: PL=P  Mottl % sent):	e absence of ir ore Lining, M=Mati es Type	Location	Indicators 1 A9 - 1 cm M S7 - Dark S F16 - High F	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio	c Soils¹ (LRR F, G, H)	3)	
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-150n41w1-g1			
VEGETATION		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:(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. 5 x 2 = 10			
	-		_		FAC spp. 0 x 3 = 0			
Sanling/Shrub 9	Stratum (Plot size: 15 ft. radius)				FACU spp. 40			
1.	Stratum (Flot Size: 15 ft. radius)				UPL spp. 55 X 5 = 275			
2.					οι ε ορφ. <u>ου</u> λ ο – <u>210</u>			
3.					Total 100 (A) 445 (D)			
					Total(A)(B)			
4.					December 1944 1975			
5.					Prevalence Index = B/A = 4.450			
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 (F	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Bromus inermis	55	Υ	UPL				
2.	Poa pratensis	35	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be			
3.	Cirsium arvense	5	N	FACU	present, unless disturbed or problematic.			
4.	Anemone canadensis	5	N	FACW	Definitions of Vegetation Strata:			
5.			- ''	171011	Definitions of Vogetation official			
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.			
				_	Sapinig/Siliub = Woody planto loss than one. BBH, regulatess of height.			
10.								
11.					All back assess (and supplied a second supplied as a second secon			
12.					Herb - All herbaceous (non-woody) plants, regardless of size.			
13.								
14.								
15.					Woody Vines - All woody vines, regardless of height.			
	Total Cover =	100	_					
	<u></u>							
Woody Vine Str	ratum (Plot size: 30 ft. radius)							
1.	,							
2.								
3.					Hydrophytic Vegetation Present? N			
5.								
4.								
<del>-7.</del>	Total Cover =	0		_				
Remarks:	The unland sample point is dominated by an		e and Ker	ntucky blu	Parrass			
Remarks: The upland sample point is dominated by smooth brome and Kentucky bluegrass.								
Additional Remarks:								