WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/30/14	-				
Applicant:		Enbridge								County:	Red Lake					
Investigators	nvestigators: NTT/BEH			Subregion (MLRA or LRR): MLR						State:	MN					
Soil Unit:	138A		NWI			Classification:	PSS1C									
Landform:	Depression		Lo	Local Relief: CC					Sample Point:	w-151n42w5-j1						
Slope (%):	26 - 60%		Latitude: 47.9			-96.0565	i89	Datum:		1						
		nditions on the site						⊡Yes	□No	Section:						
					ai : (II IIO, ex		normal circun									
Are Vegetation		or Hydrology		ly disturbed?		Alei		•	esent	Township:						
Are Vegetation		☐ or Hydrology	□ iturally p	oblematic?			Yes	□No		Range:	Dir:					
SUMMARY C																
Hydrophytic \	Vegetation P	resent?	Yes					Hydric Soi	ls Present?	Yes						
Wetland Hyd	Iroloav Prese	nt?	Yes		-			Is This Sar	mplina Poin	nt Within A W	etland? Yes					
Remarks:	The wetland	l is a large gravel i	pit area that	has deep exca	avated hole	es with po	ockets of shall	ow marsh th	roughout it	t. The domina	nt vegetation throu	uahout is reed				
Remarks: The wetland is a large gravel pit area that has deep excavated holes with pockets of shallow marsh throughout it. The dominant vegetation throughout is reed canary grass and narrow-leaf cattail.												3				
LIVEROL GO		o and namen real	oattaiii													
HYDROLOG	Υ															
Wetland Hy	drology Ind	icators (Check all	I that apply; N	/linimum of or	e primary	or two sec	condary requi	red):								
Primary:	<u>:</u>								Secondary:	-						
A1 - Surface Water				☐ B11 - Salt Crust						B6 - Surface S	oil Cracks					
✓	A2 - High Wa			□ B13 - Aquatic Fauna						B8 - Sparsely Vegetated Concave Surface						
☑	A3 - Saturation					gen Sulfide				B10 - Drainage						
	B1 - Water M					eason Wate		5			Rhizospheres on Livin	ig Roots (tilled)				
	B2 - Sedimen						heres on Living	Roots (not till		C8 - Crayfish E						
	B3 - Drift Dep B4 - Algal Ma					nce of Redu Muck Surfac				D2 - Geomorp	Notice on Aerial Ima	igery				
l H	B5 - Iron Dep			H	Other (Exp		e			D5 - FAC-Neut						
1 5		อรแร n Visible on Aerial Im	nagery		Other (Lxp	naiii)					ived Hummocks (LRR	5 E/				
I	B9 - Water-S		lagery						_	D7 - 11031-1100	ivea riaiiiiiocka (Erki	(1)				
_																
Field Obser																
Field Observ																
Surface Water			Dept		(in.)			Wetland F	lydrology l	Present?	Υ					
Water Table		Yes ☑	Dept	h: <u>8</u>	(in.)			· · · · · · · · · · · · · · · · · · ·	.ya.c.ogy .		<u>.</u>					
Saturation Pr	resent?	Yes 🗹	Dept	h: 0	(in.)		Saturation Present? Yes Depth: 0 (in.)									
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:																
Describe Reco	orded Data (tream gauge moni	itoring well a	arial photos pr	avioue iner	nections) if	f available:									
Describe Reco		stream gauge, moni turated at the surf														
Remarks:																
Remarks: SOILS	Soils are sa	turated at the surfa	ace with a hi	gh water table	present a	at eight inc	ches.									
Remarks: SOILS Profile Descri	Soils are sa	turated at the surfa	ace with a hi	gh water table	present a	at eight inc	ches. absence of ir									
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Remarks: SOILS Profile Descri	Soils are sa	turated at the surface to the depth ne etion, RM=Reduced Ma	ace with a hi	gh water table	present a	onfirm the	ches. absence of ir re Lining, M=Mate									
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Remarks: SOILS Profile Descri (Type: C=Concer	Soils are sa	turated at the surface to the depth ne etion, RM=Reduced Ma	ace with a hi	gh water table ument the indi ed/Coated Sand	present a	onfirm the	ches. absence of ir re Lining, M=Mate		Texture		Remarks					
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-151n42w5-j1
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:(A)
3.					
4.					Total Number of Dominant Species Across All Strata:(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. 50 x 1 = 50
	Total Cover =	0			FACW spp. 50
			_		FAC spp. 0 x 3 = 0
Sanling/Shruh	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 x 4 = 0
1.	Stratum (Flot Size. 13 it. radius)				UPL spp. 0 x 5 = 0
2.					σ. 2 ορφ. <u> </u>
3.					Total 100 (A) 450 (P)
					Total 100 (A) 150 (B)
4.					Duration later DA 1775
5.					Prevalence Index = B/A = 1.500
6.	_				
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.	Phalaris arundinacea	50	Υ	FACW	
2.	Typha angustifolia	30	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Carex pellita	10	N	OBL	present, unless disturbed or problematic.
4.	Alisma triviale	10	N	OBL	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.					1161D
14.					Woody Vines - All woody vines, regardless of height.
15.	7::0	400			**Outy villes = / w moody villos, regardless of height.
	Total Cover =	100	_		
	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?Y
5.					
4.					
	Total Cover =	0			
Remarks:	The dominant vegetation throughout the wetl-	and is ree	d canary g	rass and	narrow-leaf cattail.
Additional R	Remarks:				
Additional N	tomund.				
1					