WETLAND DETERMINATION DATA FORM Great Plains Region

		1											
Project/Site:		L3R									Date:	10/02/14	
Applicant:		Enbridge									County:	Red Lake	
Investigators	s:	BJC/RAJ				Subregion	ı (MLRA	or LRR):	MLRA 56		State:	MN	
Soil Unit:	17A						•	Classification:					
Landform:	Footslope				Loc	cal Relief:		Oldoomodion.	·		Cample Doint:	u-150n41w1-h1	
			1 11 1 4	7 0 4 0 7 0				150	Datum		Sample Foliti.	u-1301141W1-111	
Slope (%):	0 - 2%		Latitude: 47			Longitude:			Datum:				
Are climatic/	/hydrologic co	onditions on the site	e typical fo	or this ti	me of yea	Ir? (If no, exp	lain in rema	arks)	⊡Yes	□ No	Section:		
Are Vegetati	ion 📮 Soi	I ☐ or Hydrology	□gnifica	antly dis	sturbed?		Are	normal circun	nstances pro	esent?	Township:		
Are Vegetati		I ☐ or Hydrology						Yes	□No ·		Range:	Dir:	
SUMMARY			L itarany	рговіо	mado.						range.	DII.	
Hydrophytic			No							ls Present?			
Wetland Hyd	drology Prese	ent?	No	0					Is This Sai	mpling Poin	nt Within A We	etland? No	
Remarks:	The upland	sample point is lo	cated in a	slightly	sloped ar	ea betwee	en a whe	at field and a f	resh wet me	eadow. The	area is domii	nated by quackgrass	and
	smooth bro				•							, , ,	
LIVEROLOG													
HYDROLOG	iΥ												
Wetland Hy	vdrology Ind	icators (Check all	I that apply	: Minim	num of on	e primary o	or two se	econdary requi	red):				
Primary		ioutoro (orioon un	. tilut uppij	,,		ο pα. y		oooaay .oqu		Secondary:			
<u></u>	A1 - Surface	Water				B11 - Salt C	Crust				B6 - Surface S	oil Cracks	
	A2 - High Wa			☐ B11 - Sail Crust ☐ B13 - Aquatic Fauna							B8 - Sparsely Vegetated Concave Surface		
	A3 - Saturation					C1 - Hydrog					B10 - Sparsery Vegetated Concave Surface		
	B1 - Water M					C2 - Dry Se						Rhizospheres on Living I	Roots (tilled)
	B2 - Sedimer							pheres on Living	Roots (not till		C8 - Crayfish E		rtoots (tilica)
	B3 - Drift Dep					C4 - Preser			110013 (1101 1111			n Visible on Aerial Image	arv
	B4 - Algal Ma				_	C7 - Thin M					D2 - Geomorp		, i y
	B5 - Iron Dep					Other (Expl		100			D5 - FAC-Neut		
		on Visible on Aerial Im	nagery		_	Otrici (Expi	aiii)					aved Hummocks (LRR F	:)
1 7		tained Leaves	lagery							_	D1 - 11031-1166	ived Hullillocks (LIXIX I	,
-	Da - Water-o	tailled Leaves											
Field Obser	rvations:												
Surface Wat	ter Present?	Yes	De	epth:		(in.)							
Water Table	Present?	Yes \Box	De	enth:		(in.)			wetland F	lydrology l	Present?	N	
Saturation P		_										_	
Saturation	TESEIIL!	Yes 🚨	De	epth:		(in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Describe Rec	corded Data (stream gauge, moni	itoring well,	, aerial p	photos, pre	vious insp	ections),	if available:					
						evious insp	ections),	if available:					
Describe Red Remarks:		stream gauge, moni rs of wetland hydro				evious insp	ections),	if available:					
Remarks:						evious insp	ections),	if available:					
Remarks:	No indicato	rs of wetland hydro	ology were	observ	ved.								
Remarks: SOILS Profile Descr	No indicato	rs of wetland hydro	ology were	ocumer	ved.	cator or co	onfirm the	e absence of ir					
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Remarks: SOILS Profile Descr	No indicato	rs of wetland hydro ibe to the depth ne letion, RM=Reduced M	ology were	ocumer	ved.	cator or co	onfirm the	e absence of ir ore Lining, M=Matr		I			
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-150n41w1-h1
					·
VEGETATION	(Species identified in all uppercase are Plot size: 30 ft. radius)	e non-native	species.)		
Tree etratam (Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	<u>operice riame</u>	<u> 70 00101</u>	Dominant	ind.otdtdo	
2.					Number of Dominant Species that are OBL, FACW, or FAC: (A)
3.					(71)
4.					Total Number of Descinant Consider Agrees All Charles (D)
					Total Number of Dominant Species Across All Strata:(B)
5.					D
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. 15 X 2 = 30
					FAC spp. $0 x 3 = 0$
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 50 x 4 = 200
1.					UPL spp. 35
2.					···
3.					Total 100 (A) 405 (B)
4.					. S.S.I. (1)(D)
5.					Prevalence Index = B/A = 4.050
					Frevalence 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 (F	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Elymus repens	50	Υ	FACU	
2.	Bromus inermis	30	Υ	UPL	* Indicators of hydric soil and wetland hydrology must be
3.	Phalaris arundinacea	15	N	FACW	present, unless disturbed or problematic.
4.	Triticum aestivum	5	N	NI	Definitions of Vegetation Strata:
5.	Thiodin destrain	<u> </u>	- 14	- 141	Definitions of Vegetation offata.
6				_	Troo
					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.				_	noight (BBH), regulation of holytti
8.				_	O II (OI I Washington lass than Oir DDII assembles of bright
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 =	100			
	. 3.0 30701		_		
Woody Vine Str	ratum (Plot size: 30 ft. radius)				
1.	atam (1 lot size. oo it. radius)				
2.					
					Under white Verentation Pro
3.	1				Hydrophytic Vegetation Present? N
5.	ļ.				
4.				_	
	Total Cover =	0			
Remarks:	The upland sample point is dominated by qu	ackgrass a	and smoot	h brome.	A few wheat plants have crept into the area.
Additional R	emarks:				