WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	09/29/14	
Applicant:	plicant: Enbridge										County:	Red Lake	
	estigators: NTT/BEH				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Soil Unit:	I59A	NWI Classification:											
Landform:	Depression Local Relief: CL										Comple Deint	w-152n42w32-a1	
				47.000				400	D-4		Sample Foliti.	W-1321142W32-d1	
Slope (%):	16 - 25%		Latitude: 4			Longitude:			Datum:				
		nditions on the sit				ar? (If no, exp			⊡Yes	□No	Section:		
Are Vegetati	on 🖵 Soi	□ or Hydrology	□gnific	antly c	disturbed?		Are	e normal circun	nstances pre	esent?	Township:		
Are Vegetati		or Hydrology						Yes	□No		Range:	Dir:	
SUMMARY () [·······································		
										D 10			
Hydrophytic '			_	Yes			Hydric Soils Present?						
Wetland Hyd				Yes			Is This Sampling Poin						
Remarks:	The wetland	d is a fresh wet me	eadow tha	at has b	been mowe	d and is lo	cated wi	ithin a roadside	ditch. Vege	etation is do	ominated by re	eed canary grass and narrow-	
	leaf cattail.												
HYDROLOG	v												
HYDROLOG	Y												
Wetland Hy	drology Ind	icators (Check all	I that appl	ly; Mini	imum of on	e primary	or two se	econdary requi	red):				
Primary		•		•		. ,		, ,	,	Secondary:			
A1 - Surface Water				□ B11 - Salt Crust						☐ B6 - Surface Soil Cracks			
	A2 - High Wa	ter Table				B13 - Aqua	tic Fauna				B8 - Sparsely Vegetated Concave Surface B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	A3 - Saturation					C1 - Hydro							
	B1 - Water M	arks				C2 - Dry Se							
	B2 - Sedimer	t Deposits				C3 - Oxidiz	ed Rhizos	spheres on Living	Roots (not tille	. 🗖	C8 - Crayfish E	Burrows	
	B3 - Drift Dep	osits										No Visible on Aerial Imagery	
	B4 - Algal Ma	t or Crust				C7 - Thin M	/luck Surfa	ace		✓	D2 - Geomorpl	hic Position	
	B5 - Iron Dep	osits				Other (Expl	lain)			✓	D5 - FAC-Neut	tral Test	
	B7 - Inundation	on Visible on Aerial Im	nagery								D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-S	tained Leaves	• •										
Field Obser	vations:												
						,, ,							
	ter Present?	_	[Depth:		(in.)			Wetland H	vdrology l	Present?	Υ	
Water Table	Present?	Yes \square	[Depth:		(in.)			vvetiana n	yarology i	i resent:	'	
Saturation P	resent?	Yes	[Depth:		(in.)						_	
Describe Rec	orded Data (stream gauge, moni	itoring wel				ections),	if available:					
Describe Rec		stream gauge, moni		II, aeria	l photos, pre	evious insp			ed on landso	ape positio	on and hydrop	hytic vegetation.	
				II, aeria	l photos, pre	evious insp			ed on landso	ape position	on and hydrop	hytic vegetation.	
Remarks:				II, aeria	l photos, pre	evious insp			ed on landso	cape position	n and hydrop	hytic vegetation.	
Remarks: SOILS	No primary	wetland hydrology	/ indicator	II, aeria	oresent. We	evious insp etland hyd	rology is	assumed base		cape position	on and hydrop	hytic vegetation.	
Remarks: SOILS Profile Descri	No primary	wetland hydrology ibe to the depth ne	indicator	II, aeria	oresent. We	evious inspetland hydecator or co	rology is	assumed base e absence of ir	ndicators.)	cape positio	on and hydrop	hytic vegetation.	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-152n42w32-a1			
VEGETATION	N (Species identified in all uppercase are	e 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: 2 (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: 100.0% (A/B)			
					Percent of Dominant Species That Are OBL, FACW, of FAC.			
7.					B 1 1 1 W 1 1 4			
8.					Prevalence Index Worksheet			
9.					Total % Cover of: Multiply by:			
10.	<u> </u>				OBL spp. 20 x 1 = 20			
	Total Cover =	0			FACW spp. 60 x 2 = 120			
					FAC spp. 10 x 3 = 30			
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)		FACU spp. 0 x 4 = 0					
1.					UPL spp. 0 x 5 = 0			
2.					···			
3.					Total 90 (A) 170 (B)			
4.					(1) (D)			
					Dravelence Index = D/A = 4 000			
5.					Prevalence Index = B/A =			
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) *			
Herh Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Phalaris arundinacea	60	Υ	FACW	11001011111yd10p1iytto Vogotation (Explain)			
2.	Typha angustifolia	20	Y	OBL	* Indicators of hydric soil and wetland hydrology must be			
3.	Equisetum arvense	10	N N	FAC	present, unless disturbed or problematic.			
	Equiserum arvense	10	IN	TAC				
4.				_	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.			
10.	T-4-1 C	00			1100uy 111103			
	Total Cover =	90	_					
	ratum (Plot size: 30 ft. radius)							
1.								
2.								
3.					Hydrophytic Vegetation Present? Y			
5.					· · · · · · · · · · · · · · · · · · ·			
4.								
· · ·	Total Cover =	0						
Remarks:	The wetland vegetation is dominated by narr		ttail and re	and canan	v grass			
ixemaiks.	The welland vegetation is dominated by harr	ow-icai ca	ılalı alıu ie	cu canai	y grass.			
Additional R	Remarks:							