WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	09/27/14
Applicant:		Enbridge									County:	Red Lake
Investigators		BEH/NTT				Subregion	n (MI RA	or LRR)	MLRA 56		State:	MN
Soil Unit:	I38A	BEIMITT	I.			Oubl ogloi		Classification:			Oldio.	
Landform:	Talf					al Daliafi		Ciassilication.			0 I . D	450-40-24-54
						cal Relief:					Sample Point:	u-152n42w31-b1
Slope (%):	0 - 2%			7.9590083		Longitude:			Datum			
Are climatic/		nditions on the site		or this time	of yea	Ir? (If no, exp			⊡Yes	□ No	Section:	
Are Vegetati	on 🛭 Soil	☐ or Hydrology	□ gnifica	antly distur	bed?		Are	normal circun	nstances pr	esent?	Township:	
Are Vegetati		☐ or Hydrology						Yes	□No		Range:	Dir:
SUMMARY (problema							rtarigo.	5
Hydrophytic '	•		N							ils Present?		
Wetland Hyd			N							mpling Poin	nt Within A Wo	etland? No
Remarks:	Upland sam	ple point in a rece	ently harve	sted whea	t field,	adjacent t	o a road	side ditch wetla	and.			
			-			-						
HYDROLOG	V											
HYDROLOG	Y											
Wetland Hy	drology Ind	icators (Check all	that apply	y; Minimun	of one	e primary	or two se	econdary requi	red):			
Primary		,	,	, ,		. ,		, ,	,	Secondary:		
	A1 - Surface	Nater				B11 - Salt (Crust				B6 - Surface S	Soil Cracks
I 🗆	A2 - High Wa					B13 - Aqua						Vegetated Concave Surface
I 🗆	A3 - Saturation					C1 - Hydro					B10 - Drainage	
I =	B1 - Water M					C2 - Dry Se						Rhizospheres on Living Roots (tilled
I 🗆	B2 - Sedimen	t Deposits						pheres on Living	Roots (not til		C8 - Crayfish E	
I =	B3 - Drift Dep					C4 - Presei			(n Visible on Aerial Imagery
I 🗆	B4 - Algal Ma					C7 - Thin M	luck Surfa	ace			D2 - Geomorp	
	B5 - Iron Dep	osits				Other (Expl					D5 - FAC-Neut	tral Test
	B7 - Inundation	n Visible on Aerial Im	nagery			` .	,				D7 - Frost-Hea	aved Hummocks (LRR F)
	B9 - Water-St		0 ,									, ,
Field Obser	votione:											
		_										
Surface Wat	er Present?	Yes \square	D	epth:		(in.)			Wetland I	Hydrology I	Procent?	N
Water Table	Present?	Yes \square	D	epth:		(in.)			vvetiana i	iyarology i	i resent:	11
Saturation P	resent?	Yes \square		epth:		(in.)						
						. ,						
Describe Rec		stream gauge, moni		, aerial pho		vious insp	ections),	if available:				
Describe Rec Remarks:		stream gauge, moni		, aerial pho		vious insp	ections),	if available:				
				, aerial pho		vious insp	ections),	if available:				
Remarks:				, aerial pho		vious insp	ections),	if available:				
Remarks:	No primary	or secondary hydro	ological in	, aerial pho	ere ob	evious insp served.			adicators)			
Remarks: SOILS Profile Descri	No primary	or secondary hydro	rological in	, aerial pho ndicators w	ere ob	evious insponented.	onfirm the	e absence of ir				
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Remarks: SOILS Profile Descri	No primary	or secondary hydro be to the depth ne etion, RM=Reduced Ma	rological in	, aerial pho ndicators w	ere ob	evious insponented.	onfirm the	e absence of ir ore Lining, M=Matr				
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary hydro be to the depth ne etion, RM=Reduced Ma Matrix	eeded to do	ocument the	rere obs	evious insp served. cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)]		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-16 16-25 16-25 16-25 NRCS Hydr	Hue 10YR Hue 2.5Y Hue 10YR Hue 10YR Hue 10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 7/8 7/2 2/1 Indicators (chaipedon stic on Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface aucky Mineral lucky Peat or Peat (LRR leyed Matrix	eeded to de atrix, CS=Co	S5 - S S6 - S F1 - L F2 - L F3 - C F8 - R F16 - S	color (No color	evious insposerved. cator or confirmation of confirmation of present dedox Matrix ucky Mineral leyed Matrix matrix matrix surface deformation of confirmation of present dedox Matrix ucky Mineral leyed Matrix matrix surface deformation of confirmation of	Mottle Mottle tt):	e absence of irrore Lining, M=Matrices Type Type RA 72, 73 of LRF	Location Location R H)	Indicators f A9 - 1 cm M 37 - Dark St F18 - Reduct TF12 - Very Other (Explain the continuous of hunless disturbed) N	luck (LRR I, J) Prairie Redox (LRR G) Plains Depression Parent Material Shallow Dark S ain in Remarks) Inversely to the compart of the comparent of the compare	C Soils ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-152n42w31-b1
VEGETATIO		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: 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
	-		_		FAC spp. 0 x 3 = 0
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 x 4 = 0
1.					UPL spp. 5 x 5 = 25
2.					···
3.					Total 5 (A) 25 (B)
4.					······································
5.					Prevalence Index = B/A = 5.000
6.					TOTAL MONEY BITT
7.					
8.	-				Hydrophytic Vegetation Indicators:
9.					
10.					Rapid Test for Hydrophytic Vegetation
10.	Total Cayar -	0			Dominance Test is > 50%
	Total Cover =	0	_		Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
	Plot size: 5 ft. radius)			- NII	Problem Hydrophytic Vegetation (Explain) *
1.	Triticum aestivum	5	Υ	NI	* Lodfordon of to defende on the delegation of the
2.				_	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.					
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.
	Total Cover =	5			
	_		_		
Woody Vine Str	ratum (Plot size: 30 ft. radius)				
1.	,				
2.					
3.					Hydrophytic Vegetation Present? N
5.					,
4.					
т.	Total Cover =	0		_	
Remarks:	Minimal vegetation, scattered wheat seedling		nt		
rtomanto.	William Vogotation, ocationed Wilder occurring	o, 10 prooc			
A -1 -154:	Name and a second				
Additional R	kemarks:				
]					