WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date:	10/01/14			
Applicant: Enbridge										County:	Red Lake			
Investigators: NTT/BEH				Subregion (MLRA or LRR): MLRA 56 NWI Classification:						State:	MN			
Soil Unit: Landform:	I7A Depression			-	ool Doliof:		classification:			Comula Deint	w 454p42w0 b4			
	Depression 8 - 15%		Latitude: 47.91		cal Relief:	-96.04315	51	Datum:		Sample Point.	w-151n42w9-b1			
		nditions on the site							D No	Section:				
Are Vegetation	, 0	G or Hydrology	71	,	11 : (11 110, exp		normal circum			Township:				
		G or Hydrology				7401	⊡ Yes			Range:	Dir:			
SUMMARY C				biematie						Range.	DII.			
Hydrophytic Vegetation Present? Yes Hydric Soils Present? Yes														
Wetland Hydrology Present?				Yes			Is This Sampling Poin				etland? Yes			
Remarks:				within a road	side ditch	adiacent t					d canary grass and woolly			
1.0	sedge.								(gottain	interest of the second s				
HYDROLOG	-													
		estore (Check all	that apply: Mi	nimum of on	o primanu	or two see	sandary requi							
Primary:		icators (Check all	that apply; wi		e primary	OF TWO SEC	condary requi	rea):	Secondary:					
	A1 - Surface	Water								oil Cracks				
	A2 - High Wa	ter Table			B13 - Aqua	atic Fauna				B8 - Sparsely Vegetated Concave Surface				
	A3 - Saturatio					gen Sulfide				5				
	B1 - Water M B2 - Sedimen			□ C2 - Dry Season Water Table □ □ C3 - Oxidized Rhizospheres on Living Roots (not till							Rnizospheres on Living Roots (tilled Burrows			
	B3 - Drift Dep					nce of Redu					Nisible on Aerial Imagery			
	B4 - Algal Ma	t or Crust		_		Auck Surface	e		1	D2 - Geomorp	hic Position			
	B5 - Iron Dep				Other (Exp	olain)				D5 - FAC-Neu				
	B7 - Inundatio B9 - Water-Si	n Visible on Aerial Im	lagery							D7 - Frost-Hea	wed Hummocks (LRR F)			
	D5 - Water-Of													
Field Observ	vations													
Surface Wate		Yes 🛛	Dopth		(in.)									
			Depth		(in.)			Wetland H	ydrology I	Present?	Y			
		_												
Saturation Present? Yes Depth: (in.)														
					. ,									
		stream gauge, moni	-	ial photos, pro	evious insp									
		stream gauge, moni hydrology indicato	-	ial photos, pro	evious insp			hytic vegeta	tion preser	nt and landsca	ape position.			
Remarks:			-	ial photos, pro	evious insp			hytic vegeta	ation preser	nt and landsca	ape position.			
Remarks: SOILS	No primary	hydrology indicato	rs present. W	ial photos, pro etland hydrol	evious insp logy is ass	sumed base	ed on hydrop	, ,	ition preser	nt and landsca	ape position.			
Remarks: SOILS Profile Descri	No primary		rs present. W	ial photos, pro etland hydrol ment the indi	evious insp logy is ass cator or co	sumed base	ed on hydrop absence of in	ndicators.)	ation preser	nt and landsca	ape position.			
Remarks: SOILS Profile Descri	No primary	hydrology indicato be to the depth ne	rs present. W	ial photos, pro etland hydrol ment the indi	evious insp logy is ass cator or co	sumed base	ed on hydrop absence of in	ndicators.)	ation preser	nt and landsca	ape position.			
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Remarks: SOILS Profile Descri (Type: C=Concer	No primary	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix	rs present. W reded to docur atrix, CS=Covered	ial photos, pro etland hydrol ment the indi J/Coated Sand (evious insp logy is ass cator or cc Grains; Locat	onfirm the a tion: PL=Pore Mottles	ed on hydrop absence of in e Lining, M=Matr	ndicators.)		nt and landsca	· ·			
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Remarks: SOILS Profile Descri (Type: C=Concer	No primary	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix	rs present. W reded to docur atrix, CS=Covered	ial photos, pro etland hydrol ment the indi J/Coated Sand (evious insp logy is ass cator or cc Grains; Locat	onfirm the a tion: PL=Pore Mottles	ed on hydrop absence of in e Lining, M=Matr	ndicators.)		nt and landsca	· ·			
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to docur atrix, CS=Covered %	ment the indi //Coated Sand of Color (1	Cator or cc Grains; Locat	Sumed base onfirm the a tion: PL=Pore Mottles	ed on hydrop absence of in e Lining, M=Matr Type	ndicators.)		nt and landsca	· ·			
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary	hydrology indicato	rs present. W eeded to docur atrix, CS=Covered % % eeck here if inc	ment the indi //Coated Sand of Color (1	evious insp logy is ass cator or cc Grains; Locat Moist) Moist) not present edox	Sumed base onfirm the a tion: PL=Pore Mottles	ed on hydrop absence of in e Lining, M=Matr Type	Idicators.) ix)	Texture 		Remarks			
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: w-151n42w9-b1					
VECETATIO										
VEGETATIO	N (Species identified in all uppercase an Plot size: 30 ft. radius)	e non-native	species.)							
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.										
2. 3.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)					
3. 4.	<u> </u>				Total Number of Dominant Species Across All Strata: 1 (B)					
5.	<u> </u>									
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.	Total Cover -	0			OBL spp. 20 x 1 = 20					
	Total Cover =	0	_		FACW spp.80x2160FAC spp.0x30					
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 <u>100</u> (A) <u>180</u> (B)					
4.										
5.					Prevalence Index = B/A = 1.800					
6. 7.										
8.	<u> </u>				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) *					
	Plot size: 5 ft. radius)		V	FACIAL	Problem Hydrophytic Vegetation (Explain) *					
1. 2.	Phalaris arundinacea	80 15	Y N	FACW OBL	* Indicators of hydric soil and wetland hydrology must be					
3.	Typha angustifolia	5	N	OBL	present, unless disturbed or problematic.					
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.					
<u>8.</u> 9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
9. 10.										
10.										
12.					Herb - All herbaceous (non-woody) plants, regardless of size.					
13.										
14.										
15.					Woody Vines - All woody vines, regardless of height.					
	Total Cover =	100	_							
Woody Vine St	ratum (Plot size: 30 ft. radius)									
1.										
2.	1									
3.					Hydrophytic Vegetation Present? Y					
5.										
4.	T-4-10									
Remarks:	Total Cover =		ass with w	voolly sedu	ne and parrow-leaf cattail mixed in					
Remarks: The wetland vegetation is dominated by reed canary grass with woolly sedge and narrow-leaf cattail mixed in.										
Additional Remarks:										
p.										