WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/04/14	
Applicant:		Enbridge								County:	Red Lake	
Investigators	:	NTT/BEH			Subregion	n (MLRA	or LRR):	MLRA 56		State:	MN	
Soil Unit:	159A			NWI Classification:								
Landform:	Talf			_ Lo	cal Relief:	CV				Sample Point:	u-151n42w10-f1	
Slope (%):	3 - 7%		Latitude: 47.9	10077	Longitude:	-96.0153	342	Datum:		i .		
		nditions on the site							□No	Section:		
Are Vegetation		□ or Hydrology			ai . (ii iio, cxp		normal circun			1		
						Aic	☑ Yes	□No	COCIII:	Township:	D:-	
Are Vegetation		☐ or Hydrology	Lilurally pro	bbiematic?			<u>□</u> res			Range:	Dir:	
SUMMARY C												
Hydrophytic \			No						ls Present?			
Wetland Hyd			No							t Within A W	etland? No	
Remarks:	The upland	point is located in	an open mea	dow area. Th	e dominar	nt plants a	are smooth bro	ome and Ke	ntucky blue	grass.		
HYDROLOG	V											
Wetland Hy	drology Ind	icators (Check all	that apply; M	inimum of on	e primary	or two se	condary requi	red):				
Primary:				_					Secondary:			
	A1 - Surface \				B11 - Salt (B6 - Surface S		_
_	A2 - High Water Table				B13 - Aqua		- 04				Vegetated Concave Sur	tace
	A3 - Saturatio B1 - Water Ma									B10 - Drainage	e Patterns Rhizospheres on Living I	Pooto (tillod)
	B2 - Sedimen						pheres on Living	Poots (not till		C8 - Crayfish E		Roots (tilled)
1 5	B3 - Drift Dep			= =	C4 - Presei			100015 (HOL IIII			n Visible on Aerial Image	erv
1 5	B4 - Algal Ma				C7 - Thin M					D2 - Geomorp		J. y
1 5	B5 - Iron Dep				Other (Expl					D5 - FAC-Neu		
		n Visible on Aerial Im	agery	_	(- /					aved Hummocks (LRR F	-)
	B9 - Water-St		0 ,								,	,
Field Observ	vations:											
Surface Water		Yes 🔲	Donth		(in)							
			Depth		(in.)			Wetland H	lydrology I	Present?	N	
Water Table		Yes		:							_	
Saturation Pr	resent?	Yes \square	Depth	:	(in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Describe Reco	orded Data (s	tream gauge, moni	toring well, ae	rial photos, pr	evious insp	ections), i	if available:					
				rial photos, pr	evious insp	ections), i	if available:					
Describe Reco		tream gauge, monit hydrology indicato		rial photos, pr	evious insp	ections), i	if available:					
Remarks:				rial photos, pr	evious insp	ections), i	if available:					
Remarks: SOILS	No wetland	hydrology indicato	rs present.			·		adicators)				
Remarks: SOILS Profile Descri	No wetland	hydrology indicato be to the depth ne	eded to docu	ment the indi	cator or co	onfirm the	e absence of ir					
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Remarks: SOILS Profile Descri	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma	eded to docu	ment the indi	cator or co	onfirm the	e absence of ir ore Lining, M=Matr		I			
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix	eeded to docu	ment the indi	cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)	l			
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to docu atrix, CS=Covere	ment the indi	cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr		Texture		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12	No wetland ption (Descriptration, D=Deplementation, D=Deplementation) Hue_10YR	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eded to docu atrix, CS=Covere	ment the indi	cator or co Grains; Locat Moist)	onfirm the dion: PL=Poi Mottle:	e absence of in ore Lining, M=Matr es Type	Location	CL		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12 12-18 NRCS Hydr	Ption (Descriptation, D=Deplied Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Histic Ep A4 - Hydroger	hydrology indicato be to the depth ne etion, RM=Reduced Me Matrix Color (Moist) 2/1 5/1 Indicators (ch	eded to docuentrix, CS=Covere % 100 90 eeck here if in	ment the indid/Coated Sand (Color (Indicators are response) S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N	cator or co Grains; Locat Moist) 6/8 not present edox Matrix flucky Minera	monfirm the dion: PL=Poi	e absence of ir ore Lining, M=Matr es Type C	Location M	Indicators f A9 - 1 cm M A16 - Coast A7 - Dark St F16 - High F	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio	c Soils ¹ (LRR F, G, H)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12 12-18 NRCS Hydr	Ption (Description), D=Deplintration, D=	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 5/1 Indicators (ch ipedon stic n Sulfide Layers (LRR F)	eded to docu latrix, CS=Covere % 100 90	ment the indid/Coated Sand in Color (in Hue_10YR) Hue_10YR S5 - Sandy R S6 - Stripped R F2 - Loamy R F3 - Depleted	cator or co Grains; Locat Moist) 6/8 not present edox Matrix Mucky Minera Gleyed Matrix I Matrix	Mottle: 10	e absence of ir ore Lining, M=Matr es Type C	Location M	Indicators f A9 - 1 cm M A16 - Coasst S7 - Dark St F16 - High F F18 - Reduc	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ed Vertic	c <u>Soils¹</u> (LRR F, G, H)	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w10-f1			
VEGETATIO	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: 0 (A)			
3.					· · · · · · · · · · · · · · · · · · ·			
4.					Total Number of Dominant Species Across All Strata: 2 (B)			
					Total Number of Dominant Species Across All Strata.			
5.								
6.	<u></u>				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. 10 X 1 = 10			
		0			FACW spp. 0 x 2 = 0			
	Total Gover –	0	_		ΓΛΟ στο			
					FAC spp. 0 x 3 = 0			
	Stratum (Plot size: 15 ft. radius)				FACU spp. 30 x 4 = 120			
1.					UPL spp. 40			
2.								
3.					Total 80 (A) 330 (B)			
4.					·			
5.					Prevalence Index = B/A = 4.125			
6.					7/120			
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) *			
Horb Stratum /	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Bromus inermis	40	Υ	UPL	Troblem riydrophytic vegetation (Explain)			
2.					* Indicators of hydric soil and wetland hydrology must be			
	Poa pratensis	20	Y	FACU	present, unless disturbed or problematic.			
3.	Trifolium pratense	10	N	FACU				
4.	Carex pellita	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.			
					Capinig/Onitab = 1/2-2-5/ present test a mar = 2/3 / 1/2 gm = 1/2 mar = 1/2			
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 =	80			1			
	Total Cover =	00	_					
	ratum (Plot size: 30 ft. radius)							
1.								
2.								
3.					Hydrophytic Vegetation Present? N			
5.								
4.				_				
· · · · · ·	Total Cover =	0		_				
Domarka:			mo and K	ontuoky bl	luo grace			
Remarks: Dominant plants within the upland area are smooth brome and Kentucky blue grass.								
Additional F	Remarks:							