## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/03/14
Applicant:		Enbridge						County:	Red Lake		
Investigators	:	NTT/BEH		Subregion (MLRA or LRR): MLRA 56						State:	MN
Soil Unit:	I50A		•			•	Classification:				
Landform:											u-151n42w10-b1
			47.0				000	D-4		Sample Point.	u-1511142W10-D1
Slope (%):	3 - 7%		Latitude: 47.9		Longitude:			Datum:		4	
		nditions on the sit			ar'? (If no, exp			⊡Yes	□ No	Section:	
Are Vegetation	on 🖵 Soil	☐ or Hydrology	□gnificant	ly disturbed?		Are	e normal circun	nstances pro	esent?	Township:	
Are Vegetation		or Hydrology		roblematic?			Yes	□No		Range:	Dir:
SUMMARY C										90.	
									- D		
Hydrophytic \			No				Hydric Soils Present?				
Wetland Hyd			No				Is This Sampling Poin				etland? <b>No</b>
Remarks:	The upland	point is located in	an open me	adow area. Th	e dominar	nt plants	are smooth bro	ome and Ke	ntucky blue	e grass.	
	•		•			•			-	_	
HVDDOL OC	v										
HYDROLOG											
Wetland Hy	drology Ind	icators (Check all	I that apply: N	Ainimum of or	e primary	or two se	econdary requi	red):			
Primary:		,	11 37		. ,		, ,	,	Secondary		
	A1 - Surface \	Nater		☐ B11 - Salt Crust						B6 - Surface S	Soil Cracks
	A2 - High Wa	ter Table			B13 - Aqua	tic Fauna				B8 - Sparsely	Vegetated Concave Surface
I 🗆	A3 - Saturatio				C1 - Hydrog					B10 - Drainage	
	B1 - Water M	arks			C2 - Dry Se						Rhizospheres on Living Roots (tilled)
	B2 - Sedimen	t Deposits			C3 - Oxidiz	ed Rhizos	spheres on Living	Roots (not till	. 🗖	C8 - Crayfish E	Burrows
	B3 - Drift Dep	osits			C4 - Preser			`		C9 - Saturation	n Visible on Aerial Imagery
I 🗆	B4 - Algal Ma				C7 - Thin M	luck Surfa	ace			D2 - Geomorp	
	B5 - Iron Dep	osits			Other (Expl	lain)				D5 - FAC-Neu	tral Test
	B7 - Inundation	n Visible on Aerial Im	nagery							D7 - Frost-Hea	aved Hummocks (LRR F)
	B9 - Water-St	ained Leaves	• •								
Field Observ	vations:										
Surface Water		Yes	Dep		(in.)			Wetland F	lydrology	Drosont?	N
Water Table	Present?	Yes $\square$	Dep	th:	(in.)			Wetland i	iyarology	i resent:	18
Saturation Pr	resent?	Yes	Dep	th:	(in.)						<del></del>
editable in research feet and begin in the second feet and the sec											
				<del> </del>							
Describe Reco	orded Data (s	stream gauge, mon	itoring well, a	erial photos, pr	evious insp	ections),	if available:				
Describe Reco		stream gauge, mon		erial photos, pr	evious insp	ections),	if available:				
				erial photos, pr	evious insp	ections),	if available:				
Remarks:				erial photos, pr	evious insp	ections),	if available:				
Remarks: SOILS	No wetland	hydrology indicato	ors present.			·		adicators )			
Remarks:  SOILS Profile Descri	No wetland	hydrology indicated be to the depth ne	ors present.	ument the indi	cator or co	onfirm the	e absence of ir				
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-16 16-24  NRCS Hydr	Pition (Descrintration, D=Depintration, D=Depi	hydrology indicate be to the depth ne etion, RM=Reduced M  Matrix  Color (Moist)  2/1  5/4  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surfac ark Surface ucky Mineral lucky Peat or Peat (LR cky Peat or Peat (LR	eeded to doc latrix, CS=Cover	ument the indicators are in the indicators are included and in	cator or co Grains; Locat  Moist)  5/8  5/8  not present  edox  Matrix  Mucky Minera  Sleyed Matrix  I Matrix  ark Surface  I Dark Surface  pressions  ains Depress	monfirm the months of the mont	e absence of ir ore Lining, M=Matr es Type C	Location M	Indicators A9 - 1 or M A16 - Coasi S7 - Dark S F16 - High I F18 - Red I F12 - Very Other (Expl.)  Indicators of unless disturb	for Problematic for Problematic fuck (LRR I, J) to Prairie Redox ( urface (LRR G) Plains Depression cod Vertic Parent Material Parent Material Shallow Dark S ain in Remarks)	C Soils 1  CLRR F, G, H)  CONS (LRR H, outside MLRA 72, 73)  Surface
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-16 16-24  NRCS Hydr	No wetland  ption (Descriptration, D=Depl  Hue_10YR  Hue_10YR  Hue_10YR  A1- Histosol A2- Histic Ep A3- Black His A4- Hydrogel 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	hydrology indicate be to the depth ne etion, RM=Reduced M  Matrix  Color (Moist)  2/1  5/4  Indicators (ch  ipedon stic  n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LR leyed Matrix	eeded to doc latrix, CS=Cover	Color (O) Hue_5YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depletec F6 - Redox D F8 - Redox D F16 - High Pl	cator or co Grains; Locat  Moist)  5/8  5/8  not present  edox Matrix Mucky Minera lieyed Matrix ark Surface I Dark Surface pressions ains Depress	monfirm the months of the mont	e absence of ir ore Lining, M=Matrices  Type  C  RA 72, 73 of LRF	Location  M  RH)	Indicators A9 - 1 or M A16 - Coasi S7 - Dark S F16 - High I F18 - Red I F12 - Very Other (Expl.)  Indicators of unless disturb	for Problematic for Problematic fuck (LRR I, J) to Prairie Redox ( urface (LRR G) Plains Depression cod Vertic Parent Material Parent Material Shallow Dark S ain in Remarks)	C Soils 1  CLRR F, G, H)  CONS (LRR H, outside MLRA 72, 73)  Surface
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	: L3R				Sample Point: u-151n42w10-b1				
<b>VEGETATIO</b>	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.					(1.7)				
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				
		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. 80 x 4 = 320				
1.					UPL spp. 20 x 5 = 100				
2.									
3.					Total 100 (A) 420 (B)				
4.					·				
5.					Prevalence Index = B/A = 4.200				
6.					7,200				
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.	Poa pratensis	70	Υ	FACU	Troblem riydrophytic vegetation (Explain)				
2.					* Indicators of hydric soil and wetland hydrology must be				
	Bromus inermis	20	Y	UPL	present, unless disturbed or problematic.				
3.	Cirsium arvense	10	N	FACU					
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.				
				_	Sapinig/Siriub - 11000) planto 1000 atain o ini 2211, 10garaice o iniogra.				
10.				_					
11.				_					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.		-							
14.									
15.					Woody Vines - All woody vines, regardless of height.				
10.	Total Cover =	100							
	Total Cover =	100	_						
	tratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? N				
5.									
4.									
<del></del>	Total Cover -	0		_					
Domorko:	Total Cover =		mo and I/	ontuolou bi	luo grace				
Remarks: Dominant plants within the upland area are smooth brome and Kentucky blue grass.									
Additional F	Remarks:								