## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R								Date:	10/04/14			
Applicantı □	ı □ Enbridge		☑ □						County:	Red Lake			
Investigat .	NTT/BEH	<b>√</b>		Subregion	(MLRA or	I DD\-	MLRA 56		State:	MN			
Applicant Investigators:	- INTI/DEIT			_Subi egion					State.	IVIIN			
Soil Offic.	<del>9A</del>		_			lassification:							
Landform: Ta	alf		Lo	cal Relief: (	CV				Sample Point	u-151n42w10-c1			
Slope (%): 3 -	- 7%	Latitude: 47.9	05924	Longitude: -	-96.012668	R	Datum:						
	Irologic conditions on the si			al ? (If no, expl			Yes	No	Section:				
Are 🛱 getation	, Soil , or Hy⊟ology	y significantly	y disturb <b>⊟</b> ?		Are no	ormal circum	nstances pre	esent?	Township:				
Are egetation		y naturally pro				Yes	No		Range:	Dir:			
		, Hatarany pro	Soleman			. 00			rtange.	DII.			
SUM ARY OF F													
Hvdr□bhvtic Vea	getation Present?	No	Ш				Hvdric Soil	Is Present?	No				
Wetland Hydrolo		No		-					nt Within A W	etland? No			
			· TI							elianu: No ———————————————————————————————————			
Remarks: The Inland point is located in an open meadow area. The dominant plants are smooth brome and Kentucky blue grass.													
HVDDOL OCV													
HYDROLOGY													
Wetland Hydro	ology Indicators (Check a	 that annly: M	 linimum of or	nrimary o	or two seco	ndary requir	red).			<del></del>			
	nogy maicators (Oncon a	ill triat appry, iv	/// // // JII	ie primary a	JI LWO GOOG	ilidai y roquii	eu).	Ondon#					
Primary:								Secondary:					
A1	I - Surface Water			B11 - Salt C	rust				B6 - Surface S	Soil Cracks			
A2	2 - High Water Table			B13 - Aquati	ic Fauna				B8 - Sparsely	Vegetated Concave Surface			
A3	3 - Saturation			C1 - Hydrog	en Sulfide O	le Odor			B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled)				
	I - Water Marks				ason Water								
	2 - Sediment Deposits								C8 - Crayfish I				
					ice of Reduc		1100ts (110t till	•					
	3 - Drift Deposits	✓								n Visible on Aerial Imagery			
	I - Algal Mat or Crust		_	C7 - Thin Mu					D2 - Geomorp				
	5 - Iron Deposits		Н	Other (Expla	ain)				D5 - FAC-Neu				
☐ B7	7 - Inundation Vi⊟le on Aerial Ir	magery							D7 - Frost-Hea	aved Hummocks (LRR F)			
	9 - Water-Staine⊟Leaves		Н										
H	H		Я										
<del></del> П	<del>. — </del>												
Field Observati	ions:												
Surfte Water F	Present? Yes	Depth	h·	(in.)									
Water Table Pre				_ ` ′			Wetland H	lydrology l	Present?	N			
		Depth		_ (in.)						_			
Saturation Prese	ent? Yes	Depth	n:	(in.)									
		and the material control of the con-	atal alastas as		- 4! \ '.f -								
Describe Recorde	ed Data (stream gauge, mor	nitoring well, ae	rial photos, pr	evious inspe	ections), if a	available:							
			rial photos, pr	evious inspe	ections), if a	available:							
	ed Data (stream gauge, mor o wetland hydrology indicat		erial photos, pi	evious inspe	ections), if a	available:							
Remarks: No			erial photos, pi	evious inspe	ections), if a	available:							
Remarks: No	o wetland hydrology indicat	tors present.		·	·								
Remarks: No		tors present.		·	·		adicators.)						
Remarks: No SOILS Profile Description	o wetland hydrology indicat	tors present.	ument the ind	icator or cor	nfirm the al	bsence of in							
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Remarks: No SOILS Profile Descriptio (Type: C=Concentrati  Deptr 0- 12- 16- NRCS  NRCS  Restrictive Layer	cators (compared to the depth of the depth o	tors present.  needed to docu Matrix, CS=Covere  % 100 100 100 check here if in	ment the ind ed/Coated Sand  Color ( )  Colo	Moist)  Moist)  Moist)  not present)  Redox I Matrix Mucky Mineral Gleyed Matrix d Matrix Jark Surface d Dark Surface bepressions lains Depress	Mottles  Mottles  Mottles  Mottles	bsence of in Lining, M=Matri Type  72, 73 of LRR	Location  R H)	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduc TF2 - Red P TF12 - Very Other (Explainless disturbed)	for Problematic luck (LRR I, J) Prairie Redox curface (LRR G) Plains Depressic ced Vertic Parent Material Shallow Dark S ain in Remarks)	C Soils <sup>1</sup> (LRR F, G, H)  DIS (LRR H, outside MLRA 72, 73)  Surface			
Remarks: No SOILS Profile Descriptio (Type: C=Concentrati  Depttr 0- 12- 16- NRCS  NRCS  Restrictive Layer	cators (compared to the depth in the depth i	tors present.  needed to docu Matrix, CS=Covere  % 100 100 100 check here if in	ment the ind ed/Coated Sand  Color ( )  Colo	Moist)  Moist)  Moist)  not present)  Redox I Matrix Mucky Mineral Gleyed Matrix d Matrix Jark Surface d Dark Surface bepressions lains Depress	Mottles  Mottles  Mottles  Mottles	bsence of in Lining, M=Matri Type  72, 73 of LRR	Location  R H)	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduc TF2 - Red P TF12 - Very Other (Explainless disturbed)	for Problematic luck (LRR I, J) Prairie Redox curface (LRR G) Plains Depressic ced Vertic Parent Material Shallow Dark S ain in Remarks)	C Soils <sup>1</sup> (LRR F, G, H)  DIS (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-c1
VECETATIO	N (Chaoline identified in all una accommon	non meti-	anaoise \		
VEGETATIO Tree Stratum	(Species identified in all uppercase are (Plot size: 30 ft. radius)	non-hative	species.)		
. 100 Ottatuill	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: 2 (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.	T-4-1 O	0			OBL spp. 0 x 1 = 0
	Total Cover = _	0	_		FACW spp. 0 x 2 = 0
Capling/Chrub	Stratum (Plot size: 15 ft. radius)				FAC spp. 0
1.	Stratum (Flot size. 15 it. radius)				UPL spp. 70 X 5 = 350
2.					
3.					Total 100 (A) 470 (B)
4.					
5.					Prevalence Index = B/A = 4.700
6.					
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) *
	(Plot size: 5 ft. radius)			175	Problem Hydrophytic Vegetation (Explain) *
1.		70	Y	UPL	* Indicators of hydric call and water devided and to
2.		20	Y	FACU	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3. 4.		10	N	FACU	
4. 5.					Definitions of Vegetation Strata:
6					Tree - Woods plants 3 is (7.0 ) is discussed to
7.					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast 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 = _	100	_		
	tratum (Plot size: 30 ft. radius)				
1.					
2. 3.					Hydrophytic Vegetation Present? N
5.					nyurophytic vegetation Present? N
4.					
<b>-7.</b>	Total Cover =	0			
Remarks:	Dominant plants within the upland area are sr		me and K	entucky bl	lue grass.
	and and an an appear and an action of	223.210			··· <b>y</b> ···
Additional F	Remarks:				
- taattional I					