WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R Date: 10/02/14							
Applicant: Enbridge County: Red Lake							
Investigators: NTT/BEH Subregion (MLRA or LRR): MLRA 56 State: MN	<u>-</u>						
Soil Unit: I59A NWI Classification:							
Landform: Depression Local Relief: CC Sample Point: w-151n42wt	9-h1						
Slope (%): 3 - 7% Latitude: 47.916196 Longitude: -96.034381 Datum:	-						
Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) Yes □ No Section:							
Are Vegetation ☐ Soil ☐ or Hydrology ☐ gnificantly disturbed? Are normal circumstances present? Township:							
SUMMARY OF FINDINGS							
Hydrophytic Vegetation Present? Yes Hydric Soils Present? Yes							
Wetland Hydrology Present? Yes Is This Sampling Point Within A Wetland? Yes							
Remarks: The wetland is a fresh wet meadow that is located in a large open meadow area. The wetland vegetation is dominated by woolly sedge and reed canary							
grass.							
HYDROLOGY							
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):							
Primary: Secondary:							
A1 - Surface Water							
□ A2 - High Water Table □ B13 - Aquatic Fauna □ B8 - Sparsely Vegetated Conc	ave Surface						
□ A3 - Saturation □ C1 - Hydrogen Sulfide Odor □ B10 - Drainage Patterns	470 0411400						
☐ B1 - Water Marks ☐ C2 - Dry Season Water Table ☐ C3 - Oxidized Rhizospheres or	Living Roots (tilled)						
☐ B2 - Sediment Deposits ☐ C3 - Oxidized Rhizospheres on Living Roots (not till ☐ C8 - Crayfish Burrows							
☐ B3 - Drift Deposits ☐ C4 - Presence of Reduced Iron ☐ C9 - Saturation Visible on Aeria	al Imagery						
☐ B4 - Algal Mat or Crust ☐ C7 - Thin Muck Surface ☐ D2 - Geomorphic Position							
☐ B5 - Iron Deposits ☐ Other (Explain) ☐ D5 - FAC-Neutral Test	(I DD E)						
□ B7 - Inundation Visible on Aerial Imagery □ D7 - Frost-Heaved Hummocks □ B9 - Water-Stained Leaves	(LRR F)						
D 53 - Mater-Claimen Feaves							
First Observations							
Field Observations:							
Surface Water Present? Yes Depth: (in.) Wetland Hydrology Present? Y							
Water Table Present? Yes Depth: (in.)							
Saturation Present? Yes Depth: (in.)							
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-151n42w9-h1		
VEGETATION (Species identified in all uppercase are 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: 4 (B)		
5.							
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.					OBL spp. 65 x 1 = 65		
	Total Cover =	0			FACW spp. 50 x 2 = 100		
	_		_		FAC spp. 5 x 3 = 15		
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 5 x 4 = 20		
1.	Salix petiolaris	20	Υ	OBL	UPL spp. 0 x 5 = 0		
2.	Salix discolor	5	Υ	FACW			
3.					Total 125 (A) 200 (B)		
4.							
5.					Prevalence Index = B/A = 1.600		
6.							
7.							
8.					Hydrophytic Vegetation Indicators:		
9.					Rapid Test for Hydrophytic Vegetation		
10.					X Dominance Test is > 50%		
	Total Cover =	25			X Prevalence Index is ≤ 3.0 *		
	1000 00101		_		Morphological Adaptations (Explain) *		
Herh Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Carex pellita	40	Υ	OBL	Troblem Hydrophydd Vegetation (Explain)		
2.	Phalaris arundinacea	30	· Y	FACW	* Indicators of hydric soil and wetland hydrology must be		
3.	Poa palustris	15	N	FACW	present, unless disturbed or problematic.		
4.	Sonchus arvensis	5	N	FAC	Definitions of Vegetation Strata:		
5.	Elymus repens	5	N	FACU	Definitions of Vegetation offata.		
6	Eleocharis palustris	5	N	OBL	Tree		
7.	Electricità palastris		14	OBL	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.					Sapining/Silitub - Woody planto loss than one. BBH, regardless of height.		
11.					Herb - All herbaceous (non-woody) plants, regardless of size.		
12.					Hern - All Herbaceous (Holl-woody) plants, regardless of size.		
13.							
14.					Woody Vines - All woody vines, regardless of height.		
15.					YVOODY VINES - All WOODY VINES, TEGALORESS OF REIGHT.		
]	Total Cover =	100	_				
	ratum (Plot size: 30 ft. radius)						
1.				_			
2.							
3.				_	Hydrophytic Vegetation Present? Y		
5.							
4.				_			
<u> </u>	Total Cover =	0					
Remarks: The wetland vegetation is dominated by woolly sedge and reed canary grass.							
Additional Remarks:							