WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date: County:	06/30/14		
Applicant: Enbridge											Kittson		
Investigators: BCS/BEH				Subregion (MLRA or LRR): MLRA 56						State:	MN		
Soil Unit: Landform:	I248A Talf			_	and Daliaf		I Classification:			Comula Deint			
Slope (%):	0 - 2%		Latitude: 48.6		cal Relief:		5155572	Datum		Sample Point:	u-160n50w14-a1		
		nditions on the site						⊡Yes	D No	Section:			
Are Vegetation	, ,	or Hydrology		,			e normal circun			Township:			
Are Vegetation		□ or Hydrology				,	☑ Yes		0001111	Range:	Dir:		
SUMMARY C								_		r tango:	2		
	Hydrophytic Vegetation Present? No Hydric Soils Present? Yes												
				No			Is This Sampling Poir				etland? No		
Remarks: The upland sample point is located in a tilled agricultural field which has been planted to wheat. The site is adjacent to minimum-maintenance dirt county road.													
HYDROLOG													
		icators (Check all	that apply; I	Ainimum of or	ne primary	or two s	econdary requi	red):					
Primary: A1 - Surface Water B11 - Salt Crust B6 - Surface Soil Cracks													
	 A1 - Surface Water A2 - High Water Table 				B11 - Sait						Vegetated Concave Surface		
	A3 - Saturatio	n						B10 - Drainage Patterns					
	B1 - Water M			C2 - Dry Season Water Table							Rhizospheres on Living Roots (tilled)		
	B2 - Sedimen B3 - Drift Dep							Roots (not til			Nurrows N Visible on Aerial Imagery		
	B4 - Algal Ma			C4 - Presence of Reduced Iron							hic Position		
	B5 - Iron Dep	osits			Other (Exp	lain)				D5 - FAC-Neu			
	B7 - Inundatio B9 - Water-Si	on Visible on Aerial Im	agery							D7 - Frost-Hea	aved Hummocks (LRR F)		
	D9 - Water-Si												
Field Observ	vations:												
Surface Wate		Yes 🛛	Den	th:	(in.)								
Water Table		Yes	Dep	ih:	(in.)			Wetland H	lydrology	Present?	N		
Saturation Pr		Yes			(in.)						—		
Saturation Present? Yes Depth: (in.) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Describe Rec	ordod Data (a	stroom gougo moni	toring woll a	orial photos pr		octions)	if available:						
						ections),	if available:						
Describe Reco Remarks:		stream gauge, moni or secondary wetla				ections),	if available:						
						pections),	if available:						
Remarks: SOILS Profile Descri	No primary	or secondary wetle	eded to doc	s were observ ument the ind	ved. icator or co	onfirm th	e absence of ir						
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Remarks: SOILS Profile Descri	No primary	or secondary wetle ibe to the depth ne etion, RM=Reduced Ma	eded to doc	s were observ ument the ind	ved. icator or co	onfirm th tion: PL=P	e absence of ir ore Lining, M=Matr		1				
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary wetta be to the depth ne etion, RM=Reduced Ma Matrix	and indicator	were observer	ved. icator or co Grains; Loca	onfirm th tion: PL=P Mottle	e absence of ir ore Lining, M=Matr	rix)	Taskus		Demetic		
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-160n50w14-a1				
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.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)				
3. 4.					Total Number of Dominant Species Across All Strata: 1 (B)				
5.	<u> </u>								
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				
	Total Cover =	0	_		FACW spp. 0 x 2 = 0				
Casling/Chrub (FAC spp. 5 $x 3 = 15$				
Sapling/Shrub 3	Stratum (Plot size: 15 ft. radius)				FACU spp. <u>5</u> x 4 = <u>20</u> UPL spp. <u>85</u> x 5 = <u>425</u>				
2.	J				0. 2 opp. 00 / 0 <u>720</u>				
3.					Total <u>95</u> (A) <u>460</u> (B)				
4.									
5.					Prevalence Index = B/A = 4.842				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.	Total Cover -	0			Dominance Test is > 50%				
	Total Cover =	0	_		Prevalence Index is ≤ 3.0 *				
Herb Stratum (Plot size: 5 ft. radius)				Morphological Adaptations (Explain) * Problem Hydrophytic Vegetation (Explain) *				
1.	Triticum aestivum	85	Y	NI					
2.	Rumex crispus	5	Ν	FAC	* Indicators of hydric soil and wetland hydrology must be				
3.	Ambrosia artemisiifolia	5	Ν	FACU	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 height (DBH), regardless of height.				
7.					neight (Dor), regardless of neight.				
<u>8.</u> 9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
<u> </u>									
10.				-					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	95	_						
Magher	return (Diot aire) 20 ft dive)								
Woody Vine Sti 1.	ratum (Plot size: 30 ft. radius)								
2.									
3.					Hydrophytic Vegetation Present? N				
5.									
4.									
	Total Cover =								
Remarks: The upland sample point is dominated by cultivated wheat.									
Additional Remarks:									