WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	07/07/14	_					
Applicant: Enbridge											County:	Kittson	_					
Investigators	ors: BCS/BEH			Subregion (MLRA or LRR): MLRA					MLRA 56		State:	MN	-					
Soil Unit:	I132A NWI Classification:											-						
Landform:	Depression Local Relief: CL								Sample Point:	w-159n49w9-a1	1							
Slope (%):	0 - 2%		Latitude: 48	8.61158	183	Longitude:	-96.988	8553333	Datum		1 '							
		nditions on the site							⊡Yes	□No	Section:							
Are Vegetati		☐ or Hydrology				11 . (11 110, 02)		normal circun			Township:							
Are Vegetati		or Hydrology					Aic	✓ Yes	□No	CSCIII:		D:-						
			Liturally	problem	nauc?			<u> </u>			Range:	Dir:						
SUMMARY (
Hydrophytic				es						Is Present?								
Wetland Hyd	drology Prese			es							nt Within A We							
Remarks: The wetland is located within an agricultural drainage ditch which separates two fields; one field is planted to sugar beets and the other to soybeans. The area																		
appears to have been sprayed with herbicide, as very little vegetation is present.																		
HYDROLOG	Υ																	
-		cators (Check all	that apply	/; Mınımı	um of on	e primary	or two se	econdary requi	red):									
Primary					_	544 6 11				Secondary								
A1 - Surface Water						B11 - Salt					B6 - Surface S		0					
	A2 - High Wa A3 - Saturatio					B13 - Aqua		o Odor				/egetated Concave :	зипасе					
	B1 - Water Ma			☐ C2 - Dry Season Water Table ☐							B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled)							
I 5	B2 - Sedimen										C8 - Crayfish E		ing reoots (tilled)					
	B3 - Drift Dep					C4 - Prese			110010 (1101 111			Visible on Aerial Im	agery					
I =	B4 - Algal Ma					C7 - Thin N					D2 - Geomorpi		-37					
	B5 - Iron Dep					Other (Exp				2	D5 - FAC-Neut	ral Test						
	B7 - Inundation	n Visible on Aerial Im	agery								D7 - Frost-Hea	ved Hummocks (LR	RF)					
	B9 - Water-St	ained Leaves																
Field Obser	vations:																	
Surface Wat	ter Present?	Yes 🔲	D _f	enth:		(in.)												
		_							Wetland I	Hydrology	Present?	Υ						
water Table Present? Yes Depth: (in.)												_						
		V □	D.			/in \			Saturation Present? Yes Depth: (in.)									
		Yes	De	epth:		(in.)												
Saturation P	resent?	Yes			hotos, pre	` ,	ections),	if available:										
Saturation P	resent? corded Data (s		toring well,	, aerial ph		vious insp			eutral test i	ndicators.								
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-159n49w9-a1
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: (A)
3.					
4.					Total Number of Dominant Species Across All Strata:1 (B)
5.					(=)
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					(VVB)
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 = 0
	Total Cover =	0	_		FACW spp. 10 x 2 = 20
					FAC spp. 0 x 3 = 0
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 x 4 = 0
1.					UPL spp. 0 x 5 = 0
2.					
3.					Total 10 (A) 20 (B)
4.					__\
5.					Prevalence Index = B/A = 2.000
6.					1 Tevalence index = D/A = 2.000
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	0	_		X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Persicaria pensylvanica	10	Υ	FACW	
2.					* Indicators of hydric soil and wetland hydrology must be
3.					present, unless disturbed or problematic.
4.				_	Definitions of Vegetation Strata:
					Definitions of Vegetation Strata.
5.					T
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.
10.					
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.				-	
				_	Woody Vines - All woody vines, regardless of height.
15.	7.15				TYOUGY VIIIES - 7 III HOOGY VIIICO, TOGAIGIASS OF HEIGHT.
	Total Cover =	10	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? Y
5.					
4.	-				
	Total Cover =	0			
Remarks:	The sample area is dominated by sparse pin		e site ann	ears to be	ve heen sprayed with herhoide
Nomains.	The sample area is dominated by sparse pill	RWCCU. III	c and appl	Jui J IU IId	vo boon oprayou with horbolus.
Additional R	temarks:				
į					