WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	08/02/14	
Applicant:		Enbridge								County:	Kittson	
Investigators		BCS/BEH/MRK			Subregio	•	A or LRR):	MLRA 56		State:	MN	
Soil Unit:	1140A						I Classification	:		1	450 40 0 4	
Landform:	Talf		10.04		cal Relief:		1005000	D. (Sample Point:	u-159n48w6-c1	
Slope (%):	0 - 2%	nditions on the cit	Latitude: 48.61				19858333	Datum:				
	·	nditions on the site			II ? (If no, ex				□ No	Section:		
Are Vegetation		□, or Hydrology	•			Are	e normal circur	•	esent?	Township:	D:	
Are Vegetation		□, or Hydrology	□aturally pro	blematic?				□ No		Range:	Dir:	
Hydrophytic '			No					Hydric Soil	ls Present?	No		
Wetland Hyd	_		No No		•					nt Within A W	etland? No	
Remarks:		sample point is ac		avel drive ur	slone of t	he assoc	ciated wetland					
rtomants.	The aplana	sample point is ac	ajacent to a gr	aver arre, ap	Slope of t	110 0000	olatea Wetlana.	1110 3110 13 (oy anana ana	unioury.	
HYDROLOG	Υ											
		inators (Chaok all	Lthat apply: Mi	nimum of on	o primory	or two o	ooondory roqui	irod\.				
Primary:	•	icators (Check all	i triat apply, ivii	mimum of on	e primary	or two s	econdary requi	rea):	Secondary:			
	<u>·</u>	Water			B11 - Salt	Crust				B6 - Surface S	Soil Cracks	
	A2 - High Wa				B13 - Aqua		l		_		Vegetated Concave Surf	ace
	A3 - Saturation				C1 - Hydro					B10 - Drainage		
	B1 - Water M				C2 - Dry S			Doots (not till			Rhizospheres on Living F	Roots (tilled)
	B2 - Sedimen B3 - Drift Dep	•					spheres on Living educed Iron	Roots (not till	, <u> </u>	C8 - Crayfish E	ourrows n Visible on Aerial Image	rv
	B4 - Algal Ma				C7 - Thin N				_	D2 - Geomorp		' y
	B5 - Iron Dep	osits			Other (Exp	olain)				D5 - FAC-Neu	tral Test	
		on Visible on Aerial Im	nagery							D7 - Frost-Hea	aved Hummocks (LRR F))
	B9 - water-Si	tained Leaves										
Field Observ	vations:											
Surface Wat		Yes □	Donth		(in)							
Water Table		Yes □ Yes □	Depth Depth		(in.) (in.)			Wetland H	lydrology l	Present?	N	
		Yes	•									
Saturation Present? Yes Depth: (in.) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
	and al Data (a		<u> </u>				if a vellable					
Describe Rec	•	stream gauge, mon	itoring well, aer	ial photos, pre	evious insp	•	, if available:					
	•		itoring well, aer	ial photos, pre	evious insp	•	, if available:					
Describe Rec	•	stream gauge, mon	itoring well, aer	ial photos, pre	evious insp	•	, if available:					
Describe Reconstruction Remarks:	No primary	stream gauge, moni or secondary wetl	itoring well, aer and hydrology	ial photos, pre indicators we	evious insp ere observ	ved.		ndicators)				
Describe Reconstruction Remarks: SOILS Profile Descri	No primary	stream gauge, mon	itoring well, aer and hydrology eeded to docur	ial photos, pre indicators we	evious inspere observed	ved.	e absence of ir					
Describe Reconstruction Remarks: SOILS Profile Descri	No primary	or secondary wetler be to the depth ne	itoring well, aer and hydrology eeded to docur	ial photos, pre indicators we	evious inspere observed	onfirm th	e absence of in ore Lining, M=Mat					
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-159n48w6-c1		
					-		
VEGETATIO	N (Species identified in all uppercase ar	e non-native	species.)				
Tree Stratum ((Plot size: 30 ft. radius)						
	<u>Species Name</u>	% Cover	<u>Dominant</u>	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:(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.					OBL spp. 0		
	Total Cover =	0	<u></u>		FACW spp. $\underline{\qquad}$ $X 2 = \underline{\qquad}$ $\underline{\qquad}$ 10		
					FAC spp. 15 $X 3 = 45$		
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp51		
1.					UPL spp45		
2.							
3.					Total 116 (A) 484 (B)		
4.							
5.					Prevalence Index = B/A = 4.172		
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) *		
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Medicago sativa	45	Υ	UPL			
2.	Phleum pratense	30	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be		
3.	Trifolium hybridum	15	 N	FACU	present, unless disturbed or problematic.		
4.	Sonchus arvensis	15	N	FAC	Definitions of Vegetation Strata:		
5.	Hordeum jubatum	5	N	FACW			
6	Trifolium pratense	2	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast		
7.	Ambrosia artemisiifolia	2	N	FACU	height (DBH), regardless of height.		
8.	Dactylis glomerata	2	N	FACU			
9.	Dactylis giornerata		- 11	17.00	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.		
10.					Supmig/Sinus		
11.							
12.					Herb - All herbaceous (non-woody) plants, regardless of size.		
13.					rierb - 7 iii norbacccas (non wood)/ plants, regardoss of oizo.		
14.					Woody Vines - All woody vines, regardless of height.		
15.	Tatal Causa	440			Woody Vines - All Woody Vines, Tegardiess of Height.		
	Total Cover =	116	_				
Woody Vine St	ratum (Plot size: 30 ft. radius)						
1.							
2.							
3.					Hydrophytic Vegetation Present?N		
5.							
4.							
	Total Cover =						
Remarks:	The upland sample area is dominated by alfa	alfa and tim	nothy, with	a variety	of forbs and graminoids interpersed throughout.		
Additional R	Remarks:						