WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/23/14		
Applicant:	Enbridge Subragio						LDD\:	MIDAGO		County:	Pennington		
Investigators Soil Unit:	: 162A	RAJ/BJC			vor LRR): I Classification:	MLRA 56		State:	MN				
Landform:	Dip			- Loc	al Relief		i Ciassilication.			Sample Point	w-154n44w33-x1		
Slope (%):													
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 □significantly disturbed? Are normal circumstances present? Township:													
Are Vegetation			•	blematic?			Yes	□ No ˙		Range:	Dir:		
SUMMARY OF FINDINGS													
Hydrophytic Vegetation Present? Yes Hydric Soils Present? Yes													
Wetland Hyd			Yes				nt Within A W						
Remarks: A wet meadow dominated by woolly sedge and pasture grasses. There is a very gradual transition to upland; many additional soil pits were examined to determine the wetland boundary At the sample point, all parameters of wetland conditions are met. The vegetation is disturbed by mowing; shrubs are cut to ground level and are unidentifiable.													
		point, all parameters of wette	ina cona	itions are met.	The vegeta	ation is dis	starbed by mowing	y, siliubs ale	cut to ground	i level allu ale u	Hideritinable.		
HYDROLOG'													
_		cators (Check all that ap	ply; Mii	nimum of one	primary o	or two se	econdary requi	red):	0				
<u>Primary:</u> □		Nator		П	B11 - Salt (Prijet			Secondary:	<u>:</u> B6 - Surface S	oil Cracks		
						tic Fauna					Vegetated Concave Surface		
	A3 - Saturatio				C1 - Hydro	gen Sulfid	le Odor			B10 - Drainage	e Patterns		
	B1 - Water Ma				C2 - Dry Se			Description (controlling			Rhizospheres on Living Roots (tilled)		
	B2 - Sediment B3 - Drift Dep	•			Roots (not tille	• -	C8 - Crayfish E	Burrows n Visible on Aerial Imagery					
	B4 - Algal Mat				C4 - Preser C7 - Thin M				✓	D2 - Geomorp			
	B5 - Iron Depo	osits			Other (Expl	ain)			V	D5 - FAC-Neu	tral Test		
		n Visible on Aerial Imagery								D7 - Frost-Hea	aved Hummocks (LRR F)		
	B9 - Water-St	ained Leaves											
Field Observ	vations:												
Surface Wate		Yes	Depth:		(in.)								
Water Table		Yes	Depth:		(in.)			Wetland H	lydrology	Present?	Υ		
Saturation Pr		Yes											
-	COCITE	162	Depui.		(In.)								
			Depth:		(in.)	ections)	if available:						
Describe Reco	orded Data (s	tream gauge, monitoring v	/ell, aeri			ections),	if available:						
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Describe Reco Remarks: SOILS Profile Descri	orded Data (s Indicators of ption (Descri	tream gauge, monitoring vertical from the front of the depth needed to	vell, aeri resent.	al photos, pre	vious insp	nfirm the	e absence of ir						
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w33-x1
VEGETATION (、 .	e non-native	species.)		
Tree Stratum (Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	<u>opedies rvaime</u>	<u> 70 00ver</u>	Dominant	<u>ma.otatas</u>	Dominarios Tost Workshoot
2.					Number of Dominant Species that are OBL, FACW, or FAC: 2 (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: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 40 $x 1 = 40$
	Total Cover =	0			FACW spp. 20
					FAC spp. $0 \times 3 = 0$
	Stratum (Plot size: 15 ft. radius)				FACU spp. 37 $X 4 = 148$
1.					$OPL spp. \underline{\qquad \qquad } X S = \underline{\qquad \qquad } U$
2. 3.					Total 97 (A) 220 (B)
4.					Total <u>97</u> (A) <u>228</u> (B)
5.					Prevalence Index = B/A = 2.351
6.					
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.	Carex pellita	40	Y	OBL	
2.	Agrostis gigantea	20	Y	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Lotus corniculatus	15	N	FACU	present, unless disturbed or problematic.
4.	Dactylis glomerata	10	N	FACU	Definitions of Vegetation Strata:
5.	Poa pratensis	10	N N	FACU	Troo
6 7.	Cirsium arvense	2	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
8.					neight (2217), regardiese et neight
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					Supming/Simus
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	97			
	ratum (Plot size: 30 ft. radius)				
1.					
2.					Hydrophytic Vogotetica Decourts
3. 5.					Hydrophytic Vegetation Present?Y
4.					
	Total Cover =	0			
Remarks:			ure grasses.	Hydrophyt	ic vegetation is present. The area has been mowed/hayed this year but most of the vegetation is
			_		fiable. If not cut, the shrub cover in the wetland would have been about 5 percent.
	No				
Additional R	kemarks:				