WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R Date: Applicant: Enbridge County:							
Applicant: Enbridge County:	08/02/14						
''	Marshall						
Investigators: NTT/KRG Subregion (MLRA or LRR): MLRA 56 State:	MN						
Soil Unit: 157B NWI Classification:							
	w-155n45w7-a1						
Slope (%): 8 - 15% Latitude: 48.259387 Longitude: -96.500655 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 □significantly disturbed? Are normal circumstances present? Township:							
Are Vegetation ☐ Soil ☐, or Hydrology ☐aturally problematic? ☐ Yes ☐ No Range:	Dir:						
SUMMARY OF FINDINGS							
Hydrophytic Vegetation Present? Yes Hydric Soils Present? Yes	41 12 V						
Wetland Hydrology Present? Yes Is This Sampling Point Within A We	etland? Yes						
Remarks: The wetland is a fresh wet meadow that begins within a roadside ditch and continues into a grazed cattle pasture.							
HYDROLOGY							
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):							
Primary:							
☑ A1 - Surface Water □ B11 - Salt Crust □ B6 - Surface So							
	Vegetated Concave Surface						
	Rhizospheres on Living Roots (tilled)						
☐ B2 - Sediment Deposits ☐ C3 - Oxidized Rhizospheres on Living Roots (not tills ☐ C8 - Crayfish B							
	Nisible on Aerial Imagery						
□ B4 - Algal Mat or Crust □ C7 - Thin Muck Surface ☑ D2 - Geomorph	hic Position						
□ B5 - Iron Deposits □ Other (Explain) □ D5 - FAC-Neuti							
□ B7 - Inundation Visible on Aerial Imagery □ D7 - Frost-Heav	aved Hummocks (LRR F)						
B9 - Water-Stained Leaves							
Field Observations:							
Surface Water Present? Yes Depth: 2 (in.) Wetland Hydrology Present?	Υ						
Water Table Present? Yes Depth: (in.)							
Saturation Present? Yes Depth: (in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: w-155n45w7-a1	
					•	
VEGETATION (Species identified in all uppercase are non-native species.)						
Tree Stratum ((Plot size: 30 ft. radius)					
	Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet	
1.						
2.					Number of Dominant Species that are OBL, FACW, or FAC: 4 (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.					(142)	
8.					Prevalence Index Worksheet	
9.					Total % Cover of: Multiply by:	
10.	Total Cover				OBL spp. 35	
	Total Cover = _	0			FACW spp. $\frac{70}{140}$ $\times 2 = \frac{140}{140}$	
					FAC spp. $0 \times 3 = 0$	
	Stratum (Plot size: 15 ft. radius)				FACU spp. $0 X 4 = 0$	
1.	Salix discolor	15	Y	FACW	UPL spp. $0 x 5 = 0$	
2.						
3.					Total 105 (A) 175 (B)	
4.						
5.					Prevalence Index = $B/A = 1.667$	
6.						
7.						
8.					Hydrophytic Vegetation Indicators:	
9.					Rapid Test for Hydrophytic Vegetation	
10.						
10.	Total Cover	15				
	Total Cover = _	15			X Prevalence Index is ≤ 3.0 *	
				Morphological Adaptations (Explain) *		
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Phalaris arundinacea	40	Y	FACW		
2.	Typha angustifolia	15	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be	
3.	Spartina pectinata	15	Υ	FACW	present, unless disturbed or problematic.	
4.	Scirpus atrovirens	10	N	OBL	Definitions of Vegetation Strata:	
5.	Schoenoplectus tabernaemontani	10	N	OBL		
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.					Sapinig/Sin db - Wees, plante less than 5 mil 22m, regardless of height	
11.					III. All harbaccaus (non usaada) planta yaqaadlaga of cira	
12.					Herb - All herbaceous (non-woody) plants, regardless of size.	
13.						
14.						
15.					Woody Vines - All woody vines, regardless of height.	
	Total Cover =	90				
Woody Vine St	ratum (Plot size: 30 ft. radius)					
1	(ist sizer as it radias)					
2.						
3.					Hydronhytic Vegetation Present?	
					Hydrophytic Vegetation Present?Y	
5.						
4.	T-(-1-0	0				
<u> </u>	Total Cover =					
Remarks: The wetland vegetation is dominated by reed canary grass with prairie cord grass mixed throughout.						
Additional Remarks:						
	 					