WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/08/14	•
Applicant:		Enbridge								County:	Pennington	
Investigators	S:	NTT/BEH			Subregio	n (MLRA	A or LRR):	MLRA 56		State:	MN	
Soil Unit:	I50A			<u></u>			I Classification	າ:]		
Landform:	Depression				cal Relief:					Sample Point	w-152n43w24-b1	
Slope (%):	0 - 2%		atitude: 47.96		Longitude			Datum				
		nditions on the site t	•		ar? (If no, ex	1		Yes	□ No	Section:		
Are Vegetation	•	\Box , or Hydrology \Box				Are	e normal circur	mstances pr	esent?	Township:		
Are Vegetation		□, or Hydrology □	naturally pro	oblematic?			Yes	□ No		Range:	Dir:	
SUMMARY (
Hydrophytic '	_		Yes		_				ils Present?			
	drology Prese		Yes							t Within A W		
Remarks:	The wetland	l is a fresh wet mead	dow located	on the edge	of a whea	ıt field ar	nd a forested a	rea. The we	tland is dom	ninated by re	ed canary grass.	
HYDROLOG	Υ											
Wetland Hy Primary	<u>r:</u>	icators (Check all th	at apply; M	inimum of on			econdary requi	ired):	Secondary:			
	A1 - Surface \				B11 - Salt					B6 - Surface S		
	A2 - High Wa A3 - Saturatio				B13 - Aqua						Vegetated Concave Surface	;
	B1 - Water Ma			 □ C1 - Hydrogen Sulfide Odor □ C2 - Dry Season Water Table □ C3 - Oxidized Rhizospheres on Living Roots (
	B2 - Sedimen						spheres on Living	Roots (not til	le 🗆	C8 - Crayfish		to (tillou)
	B3 - Drift Dep				C4 - Prese	ence of Re	educed Iron	·		C9 - Saturatio	n Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin I		ace			D2 - Geomorp		
	B5 - Iron Depo		lon.		Other (Exp	olain)				D5 - FAC-Neu		
	B9 - Water-St	n Visible on Aerial Imag	jery						П	D7 - FIOSI-HE	aved Hummocks (LRR F)	
	Bo Water C	amod Loavoo										
Field Obser	vations:											
Surface Wat		Yes □	Depth).	(in.)							
Water Table		Yes \square	Depth		(in.)			Wetland I	Hydrology F	Present?	Υ	
Saturation P			•		• :							
		Yes	<u> </u>		_ (in.)		Maria Habia					
Describe Rec	corded Data (s	tream gauge, monitor	ring well, ae	rial photos, pr	evious insp							
	corded Data (s		ring well, ae	rial photos, pr	evious insp			on landscape	e position an	nd hydrophyt	ic vegetation.	
Describe Rec Remarks:	corded Data (s	tream gauge, monitor	ring well, ae	rial photos, pr	evious insp			on landscape	e position an	nd hydrophyt	ic vegetation.	
Describe Rec Remarks:	corded Data (s No primary	stream gauge, monitor wetland hydrology in	ring well, ae	rial photos, proesent. Wetlar	evious insp nd hydrolo	gy is ass	sumed based o	·	e position ar	nd hydrophyt	ic vegetation.	
Describe Rec Remarks: SOILS Profile Descri	orded Data (s No primary iption (Descri	stream gauge, monitor wetland hydrology in be to the depth need	ring well, ae dicators proded to docu	rial photos, proesent. Wetlar	evious insp nd hydrolo	gy is ass	sumed based of in	ndicators.)	e position an	nd hydrophyt	ic vegetation.	
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Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10	iption (Descrintration, D=Deplementation)	be to the depth need etion, RM=Reduced Matrix Color (Moist) 2/1	ring well, ae dicators producted to docux, CS=Covere	rial photos, processent. Wetlar ment the indid/Coated Sand Color (evious insp nd hydrolo cator or co Grains; Loca Moist)	onfirm th	e absence of increase of incre	ndicators.) trix) Location	Texture SCL	nd hydrophyt		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-152n43w24-b1
					•
VEGETATIO		re 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: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0
	Total Cover :	= 0			FACW spp 100
					FAC spp. $0 X 3 = 0$
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp 0
1.		1			UPL spp. $\underline{\qquad}$ \times 5 = $\underline{\qquad}$ $\underline{\qquad}$
2.		1			
3.]			Total 100 (A) 200 (B)
4.		1			
5.					Prevalence Index = B/A = 2.000
6.					
7.					
8.		1			Hydrophytic Vegetation Indicators:
9.		1			Rapid Test for Hydrophytic Vegetation
10.		1			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.	Phalaris arundinacea	90	Υ	FACW	
2.	Rumex stenophyllus	10	N	FACW	* Indicators of hydric soil and wetland hydrology must be
3.					present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					1
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					1
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.					1
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.				-	4
15.					Woody Vines - All woody vines, regardless of height.
15.	Total Cavar	400			- VVOCAY VIIIeS - All Woody VIIIeS, regardless of Height.
	Total Cover :	= 100	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				4
1.					_
2.]			_	- Usadna wka dia Wanasi silan Dana (2007)
3.					Hydrophytic Vegetation Present?Y
5.					4
4.	T.110				_
	Total Cover :				
Remarks:	The wetland vegetation is dominated by re-	ed canary gra	ass.		
Additional R	lemarks:				
I					