WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/08/14
Applicant:		Enbridge NTT/BEH								County: State:	Pennington
Investigators Soil Unit:			Subregion (MLRA or LRR): MLRA 56 NWI Classification:							MN	
Landform:								ı		Sample Point	t: u-152n43w14-c1
Slope (%):									:	Cumpie i oni	
,		onditions on the site						☑ Yes	□ No	Section:	
Are Vegetati	on 🛛 Soi	I □, or Hydrology	⊏significar	tly disturbe		Ar	e normal circu	mstances pr	esent?	Township:	
Are Vegetati		□, or Hydrology	Daturally p	problematic)		☑ Yes	□ No		Range:	Dir:
SUMMARY C											
Hydrophytic	-		Yes	5					ils Present?		
Wetland Hyd			No		la ete el les es		to be	Is This Sa	mpling Poin	t Within A W	/etland? No
Remarks:	I ne upland	point is located in	a cut oat fie	eld and dom	inated by co	ommon pla	antain.				
HYDROLOG	V										
		icators (Check all	that apply;	Minimum o	one primar	y or two s	econdary requ	uired):			
Primary									Secondary:		
	 A1 - Surface Water A2 - High Water Table 				□ B11 - Sa	lt Crust uatic Fauna				B6 - Surface S	Soil Cracks Vegetated Concave Surface
	A3 - Saturatio					rogen Sulfic				B10 - Drainag	
	B1 - Water M				C2 - Dry	Season Wa	ater Table			C3 - Oxidized	Rhizospheres on Living Roots (tilled
	B2 - Sedimer	•					spheres on Living	g Roots (not till	le 🗆	C8 - Crayfish	
	B3 - Drift Dep B4 - Algal Ma					Muck Surf	educed Iron			D2 - Geomor	on Visible on Aerial Imagery
	B5 - Iron Dep				□ Other (E					D5 - FAC-Neu	
		on Visible on Aerial Im	nagery							D7 - Frost-He	aved Hummocks (LRR F)
	B9 - Water-S	tained Leaves									
Field Obser	vations:										
Surface Wat		Yes 🗆	De	oth:	(in.)						
Water Table		Yes D		oth:	(in.)			Wetland H	lydrology l	Present?	Ν
Saturation P		Yes D		oth:	(in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
	OIOEO DAIA C	stream daude moni	itoring well a	aerial photos	previous in	spections)	if available [.]				
	,	<u> </u>	U	aerial photos	, previous in	spections)	, if available:				
Remarks:	,	stream gauge, moni hydrology indicate	U	aerial photos	, previous in	spections)	, if available:				
Remarks: SOILS	No wetland	hydrology indicato	ors present.		•	. ,	·				
Remarks: SOILS Profile Descr	No wetland	hydrology indicato	eeded to doo	cument the	ndicator or	confirm th	ne absence of i				
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Remarks: SOILS Profile Descr	No wetland	hydrology indicato	eeded to doo	cument the	ndicator or	confirm th	ne absence of i Pore Lining, M=Ma				
Remarks: SOILS Profile Descr	No wetland	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma	eeded to doo	cument the ered/Coated Sa	ndicator or	confirm th cation: PL=P	ne absence of i Pore Lining, M=Ma		Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to doo atrix, CS=Cove	cument the ered/Coated Sa	ndicator or and Grains; Loo	confirm th cation: PL=P Mottl	ne absence of i Pore Lining, M=Ma	trix)	Texture		Remarks
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2	No wetland	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 2/1	eded to doo atrix, CS=Cove	cument the ered/Coated Sa 6 Col 00 5	ndicator or and Grains; Loo or (Moist)	confirm th cation: PL=P Mottl	ne absence of i Pore Lining, M=Ma	trix)	SCL		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-9	No wetland	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 2/1 5/4	eeded to doo atrix, CS=Cove	cument the ered/Coated Sa 6 Col 00 5 2 Hue_7.5	ndicator or and Grains; Loo or (Moist)	confirm th cation: PL=P Mottl	he absence of i Pore Lining, M=Ma les Type	Location	SCL SCL		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-9 2-9 9-15 9-15	No wetland iption (Descr ntration, D=Dep Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 2/1 5/4 5/4 5/4	eded to doo atrix, CS=Cove	cument the ered/Coated Sa 6 Col 00 5 2 Hue_7.5 0 Hue_10 5	ndicator or and Grains; Loo or (Moist)	confirm th cation: PL=P Mottl %	ne absence of i Pore Lining, M=Ma les Type C	Location M	SCL SCL SCL SCL SCL		Remarks
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-9 2-9 9-15 9-15 15-21 NRCS Hydr	No wetland	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 2/1 5/4 5/4 5/4 2/1 5/3	eded to doo atrix, CS=Cove	cument the bred/Coated Sa 6 Col 0 5 2 Hue_7.5 0 Hue_10 5 0 5 0 1 0 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0	ndicator or ind Grains; Loo or (Moist) or (Moist) or 6/8 YR 6/8 YR 6/8	confirm th cation: PL=P Mottl % 3 5	e absence of i Pore Lining, M=Ma les Type C C	Location M M	SCL SCL SCL SCL SCL FSL	or Problemati	ic Soils ¹
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Project/Site:	L3R				Sample Point: u-152n43w14-c1				
VEGETATIO		re non-native	species.)						
Tree Stratum	(Plot size: 30 ft. radius)								
	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet				
1.									
2.					Number of Dominant Species that are OBL, FACW, or FAC:1 (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: <u>100.0%</u> (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					$OBL spp. 0 \qquad X 1 = 0 \qquad \qquad$				
	Total Cover =	=0	FACW spp. 0 $X Z = 0$						
					OBL spp. 0 x 1 = 0 FACW spp. 0 x 2 = 0 FAC spp. 50 x 3 = 150 FACU spp. 20 x 4 = 80				
	Stratum (Plot size: 15 ft. radius)	1			$FACU \text{ spp.} \underline{20} \qquad X \ 4 = \underline{80}$				
1.					UPL spp. 0 $x 5 = 0$				
2.		1							
3.					Total 70 (A) 230 (B)				
4.									
5.					Prevalence Index = B/A = 3.286				
6.									
7.					Undrendertie Verstetien Indicatorer				
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.	Tatal Cavar				\underline{X} Dominance Test is > 50%				
	Total Cover =	=0	_		Prevalence Index is ≤ 3.0 *				
					Morphological Adaptations (Explain) *				
	Plot size: 5 ft. radius)			E AO	Problem Hydrophytic Vegetation (Explain) *				
1.	Plantago major	50	Y	FAC					
2.	Ambrosia artemisiifolia	10	<u>N</u>	FACU	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
3.	Artemisia biennis	10	N	FACU					
4.					Definitions of Vegetation Strata:				
5.					-				
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.	1								
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	- 70	_						
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1.	1								
2.									
3.					Hydrophytic Vegetation Present? Y				
5.	1								
4.									
	Total Cover =								
Remarks: The vegetation is dominated by common plaintain.									
Additional Remarks:									