WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/08/14
Applicant:		Enbridge								County:	Pennington
Investigators	s:	BEH/NTT			_Subregio	n (MLRA	or LRR):	MLRA 56		State:	MN
Soil Unit:	I59A			<u></u>		NW	I Classification:	PSS/FO1E	3		
Landform:	Rise			Lo	cal Relief:	LV				Sample Point:	u-152n43w24-c1
Slope (%):	3 - 7%		Latitude: 47.9		Longitude:			Datum:]	
Are climatic/	hydrologic co	nditions on the site	e typical for tl	nis time of ye	ar? (If no, exp	plain in rema	arks)	Yes	□ No	Section:	
Are Vegetati	on 🗵 Soi	□, or Hydrology	⊏significantl	y disturbed?		Are	e normal circun	nstances pr	esent?	Township:	
Are Vegetati	on 🛭 Soi	□, or Hydrology	□aturally pr	oblematic?			Yes	□ No		Range:	Dir:
SUMMARY (
Hydrophytic	Vegetation P	resent?	No					Hydric Soi	Is Present?	No	
Wetland Hyd	•		No		_					t Within A W	etland? No
Remarks:		nple point in a soyb		slope from a	seasonally	/ flooded	basin within th				
	opionio com	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , ,								
HYDROLOG	V										
_	•	icators (Check all	that apply; M	linimum of or	ne primary	or two so	econdary requi	red):	_		
Primary —	_	107		_	D44 0 1	•			Secondary:		
	A1 - Surface				B11 - Salt					B6 - Surface S	
	A2 - High Wa A3 - Saturation				B13 - Aqua C1 - Hydro					B10 - Sparsely	Vegetated Concave Surface
	B1 - Water M				C2 - Dry S						Rhizospheres on Living Roots (tille
	B2 - Sedimer						spheres on Living	Roots (not till	lŧ □	C8 - Crayfish I	
	B3 - Drift Dep	•					duced Iron	rtooto (not tiii	` _		n Visible on Aerial Imagery
	B4 - Algal Ma				C7 - Thin N					D2 - Geomorp	
	B5 - Iron Dep				Other (Exp	olain)				D5 - FAC-Neu	
		on Visible on Aerial Im	agery			,				D7 - Frost-Hea	aved Hummocks (LRR F)
	B9 - Water-S	tained Leaves									
Field Obser	vations:										
Surface Wat	er Present?	Yes □	Dept	h:	(in.)			VA/atland I		D	N.I.
Water Table	Present?	Yes □		h:	– (in.)			wetland F	lydrology l	Present?	N
		Yes □	Dept		– (in.)						_
I Saturation P				l I.	\						
Saturation P			<u> </u>		<u> </u>		if a vallable v				
Describe Rec	orded Data (stream gauge, moni	toring well, ae	rial photos, pr	evious insp	ections),	if available:				
	orded Data (toring well, ae	rial photos, pr	evious insp	pections),	if available:				
Describe Rec Remarks:	orded Data (stream gauge, moni	toring well, ae	rial photos, pr	evious insp	pections),	if available:				
Describe Rec Remarks:	orded Data (: No primary	stream gauge, monit or secondary hydro	toring well, aco	erial photos, pr ators observe	evious insp ed.	,					
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-152n43w24-c1					
					•					
VEGETATION		re non-native	species.)							
Tree Stratum (Plot size: 30 ft. radius)	0/ Cover	Daminant	Ind Ctatus	Dominance Test Worksheet					
1.	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance rest worksneet					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)					
3.					(7.1)					
4.					Total Number of Dominant Species Across All Strata: 2 (B)					
5.					(= /					
6.		1			Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)					
7.										
8.					Prevalence Index Worksheet					
9.	i				Total % Cover of: Multiply by:					
10.					OBL spp. $0 x 1 = 0$					
	Total Cover =	0			FACW spp. $\frac{5}{40}$ $\frac{10}{x}$ $\frac{120}{3}$					
					FAC spp. 40 $\times 3 = 120$					
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. $\frac{5}{45}$ $\frac{5}{x}$ $\frac{4}{5}$ $\frac{20}{225}$					
1.]			UPL spp45					
2.										
3.]			Total 95 (A) 375 (B)					
4.										
5.					Prevalence Index = B/A = <u>3.947</u>					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.		<u> </u>			Rapid Test for Hydrophytic Vegetation					
10.					Dominance Test is > 50%					
	Total Cover =	= 0			Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
	Plot size: 5 ft. radius)		\ <u>\</u>	N.II	Problem Hydrophytic Vegetation (Explain) *					
1.	Glycine max	30	Y	NI	* Indicators of budging call and watered budgetons govern					
2.	Panicum capillare	25	Y	FAC	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.					
3.	Erucastrum gallicum	15	N	NI	·					
4.	Potentilla norvegica	10	N	FAC	Definitions of Vegetation Strata:					
5.	Rumex fueginus	5	N	FACW						
6 7.	Plantago major	5	N N	FACU FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.					
8.	Setaria pumila	5	IN	FACU						
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
10.					- Sapinig/Oillab - 11-000, plante 1000 than 2 11-1, 1000 than 2 11					
11.					-					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.					
13.										
14.					-					
15.					Woody Vines - All woody vines, regardless of height.					
,	Total Cover =	= 95								
	10tai 00v0i -									
Woody Vine St	ratum (Plot size: 30 ft. radius)									
1.	(Fiet 6/26: Go R. Fadias)									
2.										
3.					Hydrophytic Vegetation Present? N					
5.										
4.										
	Total Cover =	= 0								
Remarks:	Sample site dominated by cultivated soybea	an and witch	n grass.							
Additional Remarks:										