## WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site: L3R	City/County: Kitts	on		Sampling I	Date: 2016-07-27			
Applicant/Owner: Enbridge		State: Mir	nnesota	Sampling F	Point: u-158n48w6-d1			
Investigator(s): mts mew	<u> </u>	Section, Towns	ship, Range: 6,	T158N, R48W				
Landform (hillslope, terrace, etc.): Shoulder		·	ef (concave, cor		Slope (%): 0-2%			
· · · · · · · · · · · · · · · · · · ·	1			ivex, none). <u>LL</u>	310pe (76). <u>0 270</u>			
Latitude: 48.5428924626	Longitude:	-96.89222666	<u>·</u>					
Datum: NAD83								
Soil Map Unit Name:				NWI Classif	ication:			
Are climatic/hydrologic conditions on the site ty	vear? (if no. ext							
· -								
Are Vegetation Yes_, Soil Yes_, or Hydrology	Yes significantly of	disturbed? Are "	'Normal Circum	stances" present? Yes				
Are Vegetation, Soil, or Hydrology _	naturally proble	ematic? (If nee	ded evolain an	v answers in Remarks)				
Are vegetation, soil, or rivatology _	naturally probit	ciliatic: (ii lice	aca, explain an	y answers in Remarks)				
SUMMARY OF FINDINGS - Attach site map sl	nowing sampling po	int locations, tra	ansects. import	tant features. etc.				
Hydrophytic Vegetation Present?		Is the Sampled Area						
Hydric Soil Present?			within a Wetland?					
Wetland Hydrology Present?	<del></del>		If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here								
	•							
No digging in rail corridor. Soils Assumed non-h	ydric based on lack i	of hydrology and	hydrophyte Ve	egetation				
VEGETATION - Use scientific names of plan	ts.							
	Absolute	Dominant	Indicator	Dominance Test worksheet:	:			
Tree Stratum (Plot Size:		Species?	Status	Number of Dominant Specie				
1.		Species	Jialus	That Are OBL, FACW, or FAC				
2.		_		Total Number of Dominant	(\)			
		_		Species Across All Strata:	<u>0</u> (B)			
3. 		_	_	Percent of Dominant Species				
*·	0	= Total Cover	_	That Are OBL, FACW, or FAC				
Cooling/Charle Chartery (Dlat Cine)	<u> </u>	_ = Total Cover		Prevalence Index workshee				
Sapling/Shrub Stratum (Plot Size:)								
1			_	Total % Cover of:	Multiply by:			
2		<del>-</del>	-	<b>-</b>   '	0.00 x 1 0			
3		<del>-</del>	<del>-</del> -	_ ,	0.00 x 2 0			
4		<del>-</del>	<u> </u>	<b>-</b>   '	0.00 x 3 20			
5			_	-	35.00 x 4 175			
	0	_ = Total Cover			40 (A) 195 (B)			
Herb Stratum (Plot Size: 5	20		LIDI		ex = B/A = <u>4.875</u>			
1. Bromus inermis	30	_	UPL	Hydrophytic Vegetation Indi				
2. Poa pratensis			FACU	- <b> </b> '	ydrophytic Vegetation			
3. Soybeans	<u>5</u>		- FACIL	no 2 - Dominance Test				
4. Melilotus officinalis	<u> </u>	<u> </u>	FACU	3 - Prevalence Index				
5	<u> </u>	<del>-</del>		4 - Morphological A	.daptations <sup>±</sup> (Provide rks or on a separate sheet)			
6		_	-	-				
7				Problematic Hydrophytic Veg	getation <sup>†</sup>			
8			_	(Explain)				
9				Indicators of hydric soil and wetland unless disturbed or problematic.	d hydrology must be present,			
				anicos distarbed or problematic.				
10	<del></del>	<del>-</del>	<del>-</del> -	-				
	50	_ = Total Cover						
Woody Vine Stratum (Plot Size:)								
1								
<u>*</u> .			_	1				
2		_		-				
	0	= Total Cover						
% Bara Ground in Harb Stratum 50				Hydrophytic				
% Bare Ground in Herb Stratum 50				Vegetation				
				Present?				
Remarks:								

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SOIL Sampling Point: u-158n48...

Profile Descrip	otion: (Describe to the d	lepth needed to	document the	indicate	or or con	firm the	absence of inc	dicators.)
Depth Matrix Redox Features								
(inches)	Color (moist)	% Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>		Loc <sup>2</sup>	Texture	Remarks		
		_					_	
				- —				
<sup>1</sup> Type: C=Concer	ntration, D=Depletion, RM=R	educed Matrix, MS:	-Masked Sand Gr	ains.				<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indica	·			-			Indicators	for Problematic Hydric Soil <sup>3</sup> :
Histosol (A		[	Sandy Gleyed	ط Matrix (S	(4)			Muck (A9) (LRR I, J)
Histic Epip		[						t Prairie Redox (A16)(LRR K, L, R)
		-	☐ Sandy Redox (S5)					Surface (S7) (LRR G)
Black Histi			Stripped Matrix (S6)					, , ,
	Sulfide (A4)	L				(, L)		Plains Depressions (F16)
Stratified I	Layers (A5)	L	☐ Loamy Gleye ☐	d Matrix (I	F2)		(LRR H	d outside of MLRA 72 & 73)
1cm Muck	(A9) ( <b>LRR F, G, H</b> )	L	Depleted Ma	itrix (F3)			Redu	ced Vertic (F18)
Depleted f	Below Dark Surface (A11)		Redox Dark S	Surface (F6	i)		Red F	Parent Material (F21)
Thick Dark	Surface (A12)		Depleted Dar	rk Surface	(F7)		U Very	Shallow Dark Surface (TF12)
Sandy Mu	cky Mineral (S1)	[	Redox Depre	ssions (F8)	)		Othe	r (explain in remarks)
	icky Peat or Peat (S2)(LRR G	. н)	High Plains D				_	
	xy Peat or Peat (S3) (LRR F)	,,		2 & 73 of L				s of hydrophytic vegetation and ydrology must be present, unless
Juli Widen	y Pear Of Fear (33) (Ent. 1)		(JAILING V.	. O. 75 U. L	KK H <sub>j</sub>			or problematic.
Restrictive Layer (	(if procent):							
Type:	,ii presencj.							
Depth (in	ches):					Hy	dric Soil Present?	<u>No</u>
Remarks:								
''YDDOLOG								
HYDROLOG	ology Indicators:							
Welland nyun	Diogy mulcators.							
Primary Indicat	tors (minimum of one is	required; check	all that apply)	<u> </u>			Seco	ondary Indicators (minimum of two required)
Surface W			Salt Crust (B11)	)			_	Surface Soil Cracks (B6)
	er Table (A2)	-	Aquatic Inverte				_	Sparsely Vegetated Concave Surface (B8)
Saturation			Hydrogen Sulfic				_	Drainage Patterns (B10)
Water Ma			Oxidized Rhizos			-+c (C3)	_	Oxidized Rhizospheres on Living Roots (C3)  (where tilled)
Sediment	Deposits (B2)		(where not tilled		LIVILIE NO	018 (65)		Crayfish Burrows (C8)
	or Crust (B4)		Presence of Re		(C4)		_	Saturation Visible on Aerial Imagery (C9)
Iron Depo			Thin Muck Surf		. ( ,			Geomorphic Position (D2)
	ained Leaves (B9)		Other (Explain i		s)		_	FAC-Neutral Test (D5)
Inundatio	n Visible on Aerial Imagery (	B7 <u>)</u>						Frost-Heave Hummocks (D7) (LRR F)
Field Observat	ions:							
Surface Water			Depth (inc		<u> </u>			
Water Table Pr			Depth (inc					
Saturation Pres			Depth (inc	hes)			Wetland	Hydrology Present?
(includes capill		- monitoring w	II agrial photo	as provid	eus insne	stions)	if available:	
Describe necoi	rded Data (stream gaugo	e, monitoring we	II, aeriai piiott	os, previo	ous mispe	ecuons <sub>i</sub> ,	II avallable.	
Remarks:								

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Latitude: 48.5428883973961  Longitude: -96.8922244013258  Direction:  US Army Corps of Engineers  Site Photograph 2	Cowardin Classification:  Circular 39:  Eggers & Reed:  Sampling Point: u-158n48w6-d1	.0
Latitude:		_
Longitude:	Circular 39:	_
Direction:	Eggers & Reed:	_
Remarks:		

Site Photograph 1

Sampling Point: <u>u-158n48w6-d1</u>

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