WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP	_ City/County: <u>Carlton</u>	Sampling Date: 5/29/2014
Applicant/Owner: Enbridge	State: I	MN Sampling Point: CR163a1U
Investigator(s): KJA/JRT		Township, Range:
Landform (hillslope, terrace, etc.): Talf		(concave, convex, none): CL
Slope (%): 0 - 2% Lat.: 46.597211	_Long.: <u>-92.293697</u> Datu	
Soil Map Unit Name: 303	for the form of the company	NWI Classification:
Are climatic/hydrologic conditions of the site typical Are vegetation, soil, or hydrol		· · · · · · · · · · · · · · · · · · ·
		<u> </u>
Are vegetation, soil, or hydrol (If needed, explain any answers in remarks)	naturally problemation	c? circumstances" present? ✓
(II needed, explain any answers in remarks)		
SUMMARY OF FINDINGS		
Hydrophytic vegetation present? N	Is the sampled area wi	ithin a wetland?
Hydric soil present?		
Indicators of wetland hydrology present? N	If yes, optional wetland	site ID:
Remarks: (Explain alternative procedures here or in		
The upland sample point is located within a	quaking aspen woodland. Th	ne site did not meet any of the three
wetland criteria.		
HYDROLOGY		
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Ada Mater Table (A2) Methods Me	eck all that apply) (ater-Stained Leaves (B9)) (quatic Fauna (B13)) (arl Deposits (B15)) (ydrogen Sulfide Odor (C1)) (xidized Rhizospheres on ving Roots (C3)) (resence of Reduced Iron (C4)) (ecent Iron Reduction in Tilled (C6)) (hin Muck Surface (C7)) (ther (Explain in Remarks)	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations: Surface water present? Water table present? Saturation present? (includes capillary fringe) Yes Yes I	Depth (inches):	Indicators of wetland hydrology present? N
Describe recorded data (stream gauge, monitoring	well, aerial photos, previous inspe	ections), if available:
Remarks:		
No indicators of wetland hydrology were p	resent at the sample point.	
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SUIL								Samp	ning Point:	CR163a1U	
	.										
		(Describe Matrix	to the	depth needed to document the indicator or confirm Redox Features				the absence	of indicators.)		
Depth			%	Color (m	%		Loc**	- Toutura	Remarks		
(ln.)		(moist)	_	Color (m	OIST)	%	Type*	LOC			
0-8	Hue_7.5YR		100	Live O EVD	4/0	+ -			CL		
8-13	Hue_5YR	4/4	95	Hue_2.5YR	4/8	5	С	M	CL		
13-18	Hue_2.5YR	4/8	100			+		+	С		
						+		-	+ +		
						+		+	+		
						+		+	+		
						+		-	+ +		
						+		-	+ +		
						+		-	+ +		
						++		-	+		
						++		-	+		
*Tvno:	C=Concepts	otion D=D	oplotio	n, RM=Reduce	d Motrix (CS=Cav	orad or C	Contool C	and Crains		
	c-concern ion: PL=Por				u Mailix, C	US-U0V	refed of C	oaleu S	and Grains		
	Soil Indica	<u> </u>	-iviati i	^				Indica	tors for Prob	lematic Hydric Soils:	
*Indica		edon (A2) c (A3) Sulfide (A4) ayers (A5) elow Dark S Surface (A ky Mineral ved Matrix (ox (S5) atrix (S6) be (S7) (LR	Suface 12) (S1) S4) R R, M	(S8	yvalue Be () (LRR R, n Dark Su R R, MLF amy Mucky R K, L) amy Gleye bleted Mat dox Dark So bleted Dar dox Depre	MLRA rface (S RA 149E y Minera ed Matrix trix (F3) Surface ek Surface sssions (149B) 69) 3 64 (F1) (F2) (F6) (F6) (F7) (F8)	Da D	past Prairie Recm Mucky Pea ark Surface (Solyvalue Below in Dark Surface on-Manganese edmont Flood esic Spodic (Toed ery Shallow Da her (Explain in	r Surface (S8) (LRR K, L) ce (S9) (LRR K, L) Masses (F12) (LRR K, L, R) clain Soils (F19) (MLRA 149B) A6) (MLRA 144A, 145, 149B) crial (F21) ark Surface (TF12) n Remarks)	
Restrictive Layer (if observed): Type: Depth (inches):								Hydric soil present? N			
Remarl Soils		land pit di	d not	meet any of t	the hydri	c soil in	ndicators	S.			