WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP	_ City/County: <u>Carlton</u>	Sampling Date <u>5/30/2014</u>
Applicant/Owner: Enbridge	State: M	N Sampling Point: CRC5044a1U
Investigator(s): KRG/NTT	Section, 1	Гownship, Range:
Landform (hillslope, terrace, etc.): Talf	Local relief (c	oncave, convex, none): LL
Slope (%): <u>0 - 2%</u> Lat.: <u>46.587545</u>	Long.: <u>-92.886649</u> Datur	
Soil Map Unit Name: V166		NWI Classification:
Are climatic/hydrologic conditions of the site typical		(If no, explain in remarks)
Are vegetation, soil, or hydrol		<u> </u>
Are vegetation, soil, or hydro	ogy $\ \ \ \ \ \ \ \ \ \ \ \ \ $? circumstances" present?
(If needed, explain any answers in remarks)		
SUMMARY OF FINDINGS		
Hydrophytic vegetation present? N	Is the sampled area with	hin a wetland?
Hydric soil present?	_	
Indicators of wetland hydrology present?	 If yes, optional wetland si 	te ID [.]
indicators of Welland Hydrology procent:	_ In you, optional wouldness	
Remarks: (Explain alternative procedures here or in	a separate report.)	
The upland point is located in a young aspen stand		
, ,		
LIVEROLOGY		
HYDROLOGY		
		Secondary Indicators (minimum of two
Primary Indicators (minimum of one is required; che		required)
<u> </u>	ater-Stained Leaves (B9)	☐ Surface Soil Cracks (B6) ☐ Drainage Patterns (B10)
	quatic Fauna (B13) arl Deposits (B15)	☐ Drainage Patterns (B10)☐ Moss Trim Lines (B16)
	drogen Sulfide Odor (C1)	☐ Dry-Season Water Table (C2)
<u> </u>	kidized Rhizospheres on	☐ Crayfish Burrows (C8)
	ving Roots (C3)	☐ Saturation Visible on Aerial Imagery
	esence of Reduced Iron (C4)	(C9)
	ecent Iron Reduction in Tilled	☐ Stunted or Stressed Plants (D1)
<u> </u>	oils (C6)	Geomorphic Position (D2)
	nin Muck Surface (C7)	☐ Shallow Aquitard (D3)
	her (Explain in Remarks)	☐ Microtopographic Relief (D4)
Surface (B8)	, , ,	FAC-Neutral Test (D5)
()		_
Field Observations:		
Surface water present? Yes	Depth (inches):	Indicators of
Water table present? Yes	Depth (inches):	wetland
Saturation present? Yes	Depth (inches):	hydrology
(includes capillary fringe)		present? N
Describe recorded data (-t	well periol whater greaters.	tions) if a validate
Describe recorded data (stream gauge, monitoring	weii, aeriai pnotos, previous inspec	ctions), if available:
Remarks:		
No wetland hydrology indicators were obs	erved.	
Transmit in an array management more open		

SOIL							Samp	ling Point:	CRC5044a1U
			to the de	pth needed to do			confirm	the absence of	of indicators.)
Depth		Matrix	0/		edox Featur		1	-	Remarks
(ln.)		(moist)	%	Color (moist)	%	Type*	Loc**	Texture	
0-10	Hue_10YR		100					CL	
10-18	Hue_10YR	3/4	100					SCL	
*T	C-Canaanti	otion D-D	anlation	RM=Reduced Ma	atrity CC=Ca	wared or C	aatad C	and Crains	
	ion: PL=Por			Rivi=Reduced ivia	atrix, CS=CC	ivered of C	oaled S	and Grains	
	Soil Indica	<u> </u>	-Watrix				Indica	tors for Proble	ematic Hydric Soils:
*Indicat		edon (A2) c (A3) Sulfide (A4) ayers (A5) elow Dark : Surface (A eky Mineral yed Matrix (ox (S5) atrix (S6) ce (S7) (LR	Suface (A 12) (S1) (S4) RR R, MLI etation an	(S8) (Li Thin Da (LRR R Loamy Loamy Loamy Deplete Redox I Redox I	Gleyed Matr d Matrix (F3 Dark Surface d Dark Surfa Depressions	A 149B) S9) B ral (F1) ix (F2)) e (F6) ace (F7) (F8)		past Prairie Recom Mucky Pear ork Surface (S7 ork Surface (S7 ork Surface ork Surface ork Surface ork Surface ork Surface ork Spodic (TA ork Parent Mater ork Shallow Date ork (Explain in	Surface (S8) (LRR K, L) le (S9) (LRR K, L) Masses (F12) (LRR K, L, R) lain Soils (F19) (MLRA 149B) A6) (MLRA 144A, 145, 149B) rial (F21) rk Surface (TF12) Remarks)
Type:	tive Layer (i	f observed)	:		<u> </u>		Hydri	c soil present	? <u>N</u>
Remarl No h	s: nydric soil	indicators	present	t.		,			