WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP	City/County: Clearwater	Sampling Date: 6/5/2014					
Applicant/Owner: Enbridge	State: M						
Investigator(s): EAB/RAJ		Гownship, Range:					
Landform (hillslope, terrace, etc.) Depression		concave, convex, none <u>CL</u>					
Slope (%): 0 - 2% Lat.: 47.354851 Soil Map Unit Name: 672	Long.: <u>-95.219633</u> Datun						
Are climatic/hydrologic conditions of the site typical for	or this time of the year?	NWI Classification: (If no, explain in remarks)					
Are vegetation , soil , or hydrolo							
Are vegetation \Box , soil \Box , or hydrolo		_					
(If needed, explain any answers in remarks)	gynaturany problematics						
(,,,,							
SUMMARY OF FINDINGS							
Hydrophytic vegetation present? Y	Is the sampled area with	hin a wetland?					
Hydric soil present?							
Indicators of wetland hydrology present?	If yes, optional wetland si	If yes, optional wetland site ID:					
Remarks: (Explain alternative procedures here or in a	a separate report.)						
The community is a white spruce swamp that		ge meadow.					
	_						
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) ☐ Sparsely Vegetated Concave ☐ Sutrace (B8) 	ck all that apply) ter-Stained Leaves (B9) tatic Fauna (B13) 1 Deposits (B15) Irogen Sulfide Odor (C1) dized Rhizospheres on ng Roots (C3) sence of Reduced Iron (C4) tent Iron Reduction in Tilled s (C6) n Muck Surface (C7) er (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): Depth (inches): Depth (inches): 0	Indicators of wetland hydrology present? Y					
Describe recorded data (stream gauge, monitoring w	ell, aerial photos, previous inspec	ctions), if available:					
Remarks:							
The water table extends to the surface.							

SUIL							Samp	ling Point:	CLC5092b9VV
Drofile	Description:	(Describe	to the de	onth needed to	document th	a indicator o	r confirm	the absence	of indicators)
		Matrix	to the de	pin needed to	Redox Feat		or Committee	the absence	of indicators.)
Depth			0/	0-1			1 **	· · · · · · · · · · · · · · · · · ·	Remarks
(ln.)		(moist)	%	Color (mo	ist) %	Type*	Loc**	Texture	
0-18	Hue_10YR	2/1	100					MMI	
					<u> </u>				
*Type:	C=Concentr	ation, D=D	epletion,	RM=Reduced	Matrix, CS=0	Covered or C	Coated Sa	and Grains	
**Locat	ion: PL=Por	e Lining, M	1=Matrix						
Hydric	Soil Indica	tors:					Indicat	ors for Prob	olematic Hydric Soils:
П	Histosol (A	1)		☐ Poly	value Below S	Surface	□ 20	m Muck (A10	0) (LRR K, L, MLRA 149B
Ħ	Histic Epipe				(LRR R, MLF				edox (A16) (LRR K, L, R)
	Black Histic				Dark Surface				at or Peat (S3) (LRR K, L, R)
□	Hydrogen S)		R R, MLRA 14	` '			67) (LRR K, L
	Stratified La				ny Mucky Min				w Surface (S8) (LRR K, L)
	Depleted B		Suface (A	(LRF	R K, L)				ice (S9) (LRR K, L)
	Thick Dark				ny Gleyed Ma	trix (F2)			e Masses (F12) (LRR K, L, R)
	Sandy Muc	ky Mineral	(S1)		eted Matrix (F				Iplain Soils (F19) (MLRA 149B)
	Sandy Gley	ed Matrix ((S4)		ox Dark Surfa				ΓA6) (MLRA 144A, 145, 149B)
	Sandy Red				eted Dark Su			d Parent Mat	
<u> </u>	Stripped Ma				ox Depression	ıs (F8)			ark Surface (TF12)
	Dark Surface	ce (S7) (LF	RR R, ML	RA			<u> </u>	her (Explain i	n Remarks)
*Indica	tors of hydro	phytic veg	etation ar	nd wetland hyd	drology must b	e present, ι	unless dis	sturbed or pro	oblematic.
	tive Layer (it	r observed)):						-10 V
Type:	(in ab an).						Hydric	c soil preser	nt? <u>Y</u>
Depth ((inches):								
Remarl	ks:					•			
Muc	ky mineral	soil exte	nds dow	n to 18 inch	es.				