WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP	City/County: Clearwater	Sampling Date: 5/30/2014
Applicant/Owner: Enbridge	State: M	
Investigator(s): EAB/RAJ		Township, Range:
Landform (hillslope, terrace, etc.) Depression		concave, convex, none <u>CC</u>
Slope (%): <u>0 - 2%</u> Lat.: <u>47.409284</u> Soil Map Unit Name: 40C	Long.: <u>-95.266703</u> Datur	m: NWI Classification:
Are climatic/hydrologic conditions of the site typical	for this time of the year?	(If no, explain in remarks)
Are vegetation , soil , or hydrole		
Are vegetation \Box , soil \Box , or hydrole		_
(If needed, explain any answers in remarks)		,
SUMMARY OF FINDINGS		
Hydrophytic vegetation present? Y	_ Is the sampled area wit	hin a wetland? Y
Hydric soil present?	_	
Indicators of wetland hydrology present? Y	_ If yes, optional wetland si	ite ID:
Remarks: (Explain alternative procedures here or in	a congrate report)	
The wetland is a shallow marsh located in a		d by masic forest. Vagetative cover
is sparse.	Siriali basiir triat is surrounder	a by mesic lorest. Vegetative cover
is sparse.		
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 ☐ Surface (B8) 	ck all that apply) ater-Stained Leaves (B9) uatic Fauna (B13) url Deposits (B15) drogen Sulfide Odor (C1) idized Rhizospheres on ing Roots (C3) esence of Reduced Iron (C4) cent Iron Reduction in Tilled ils (C6) in Muck Surface (C7) her (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? Yes	Depth (inches): 6	Indicators of
Water table present? Yes	Depth (inches): 0	wetland
Saturation present? Yes	Depth (inches): 0	hydrology
(includes capillary fringe)		present? Y
Describe recorded data (stream gauge, monitoring v	well aerial photos previous incres	ctions) if available:
Describe recorded data (stream gauge, monitoring t	wen, denai priotos, previous ilispet	Stone, il avallable.
Deventor		
Remarks:	atland	
Surface water is present throughout the we	zuanu.	

SOIL								Samp	ling Point:	CLC5077w1W	
	offile Description: (Describe to the depth needed to document to the lepth Matrix Redox Fea									e of indicators.)	
Depth		Matrix	%	Color (m			1 **	Touture	Remarks		
(ln.) 0-4	Hue 10YR	(moist) 2/1	100	Color (m	oist)	%	Type*	Loc**	Texture M		
4-18	Hue 10YR	5/2	90	Hue 7.5YR	4/4	10	С	М	С		
4-10	IIue_IUIK	3/2	90	Tide_7.5TIX	4/4	10	<u> </u>	IVI	C		
								1			
								<u> </u>			
				n, RM=Reduce	d Matrix, CS	S=Cov	ered or C	oated Sa	and Grains		
	ion: PL=Por	<u> </u>	=iviairi	X				la dia a	tous fou Duck	Namatia I Ivalvia Cailar	
Hyaric	Soil Indica	tors:						indica	ors for Proc	olematic Hydric Soils:	
☐ Histosol (A1) ☐ Polyvalue Below St. ☐ Histic Epipedon (A2) (S8) (LRR R, MLRA) ☐ Black Histic (A3) ☐ Thin Dark Surface (LRR R, MLRA) ☐ Stratified Layers (A5) ☐ Loamy Mucky Mine ☐ Depleted Below Dark Suface (A11) (LRR K, L) ☐ Thick Dark Surface (A12) ☐ Loamy Gleyed Matrix (F3) ☐ Sandy Mucky Mineral (S1) ☐ Depleted Matrix (F3) ☐ Sandy Redox (S5) ☐ Redox Dark Surface ☐ Stripped Matrix (S6) ☐ Depleted Dark Surface ☐ Dark Surface (S7) (LRR R, MLRA) *Indicators of hydrophytic vegetation and wetland hydrology must be						MLRA ace (S A 149E Minera Matrix x (F3) urface Surface sions (Coast Prairie Redox (A16) (LRR K, L, R) S9) B				
	tive Layer (i	f observed):	:								
Type:								Hydric soil present? Y			
Depth (inches)										
Remark	KS:										
Muc	k overlays	a clay lay	er wi	th redox cond	entrations	S.					