WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP	_ City/County: _0	Clearwater	Sampling Date: 5/29/2	014
Applicant/Owner: Enbridge		State: M	IN Sampling Point:	CLC5077s6W
Investigator(s): EAB/RAJ		Section,	Township, Range:	
Landform (hillslope, terrace, etc.): Depression		Local relief (c	concave, convex, none):	CC
Slope (%): <u>0 - 2%</u> Lat.: <u>47.411098</u>	_Long.: <u>-95.268</u> 4	485 Datur		
Soil Map Unit Name: 40B			NWI Classification: PS	
Are climatic/hydrologic conditions of the site typical			(If no, explain in rema	rks)
Are vegetation, soil, or hydrol		ificantly disturbed		
Are vegetation \square , soil \square , or hydrol	ogy <u> </u>	rally problematic	? circumstances	s" present?
(If needed, explain any answers in remarks)				
SUMMARY OF FINDINGS				
Hudrophytia vagatatian procent?	lo the or	ampled area wit	hin a watland?	V
Hydrophytic vegetation present? Hydric soil present? Y Y		ampled area wit	min a welland?	<u>Y</u>
Indicators of wetland hydrology present?	- If yes, or	ptional wetland si	ite ID:	
	- ", , , , ,	phonai wollana o		
Remarks: (Explain alternative procedures here or in	a separate repor	t.)		
The sample site is a shallow marsh dominat	ed by lake sed	ge. The commi	unity is surrounded by	y shrubby and
wooded communities.				•
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) ☐ Adaptor Adaptor Action ☐ Adaptor Adaptor Adaptor Action ☐ Adaptor Adaptor Adaptor Adaptor Action ☐ Adaptor Adaptor Adaptor Adaptor Action ☐ Adaptor A	eck all that apply) ater-Stained Leave quatic Fauna (B13) arl Deposits (B15) ordrogen Sulfide Oddized Rhizosphero (C3) esence of Reduced ecent Iron Reduction Muck Surface (Cher (Explain in Ren	or (C1) es on d Iron (C4) on in Tilled	Secondary Indicators required) Surface Soil Cracks Drainage Patterns Moss Trim Lines (E Dry-Season Water Crayfish Burrows (C9) Saturation Visible of (C9) Stunted or Stressed Geomorphic Position Shallow Aquitard (I Microtopographic F FAC-Neutral Test (s (B6) (B10) (B16) Table (C2) C8) on Aerial Imagery d Plants (D1) on (D2) C3) Relief (D4)
Field Observations: Surface water present? Water table present? Saturation present? (includes capillary fringe) Yes Yes I	Depth (ii Depth (ii Depth (ii	nches): 0	Indicators of wetland hydrology present?	Y
Describe recorded data (stream gauge, monitoring	well, aerial photos	s, previous inspec	ctions), if available:	
Remarks:				
There is 4-24 inches of standing water pre	sent throughou	it the communi	ity.	

SOIL							Samp	oling Point:	CLC5077s6W	
			to the de	pth needed to	document the		r confirm	the absence	of indicators.)	
Depth		Matrix	0/	0.1.	Redox Featu	1			Remarks	
(ln.)		(moist)	%	Color (mo	ist) %	Type*	Loc**	Texture		
0-20	Hue_10YR	2/1	100					MMI		
								1		
				RM=Reduced	Matrix, CS=C	overed or C	coated Sa	and Grains		
	ion: PL=Por		l=Matrix							
Hydric	Soil Indica	tors:					Indica	tors for Prob	lematic Hydric Soils:	
☐ Histosol (A1) ☐ Histic Epipedon (A2) ☐ Black Histic (A3) ☐ Hydrogen Sulfide (A4) ☐ Stratified Layers (A5) ☐ Depleted Below Dark Suface (A11) ☐ Thick Dark Surface (A12) ☐ Sandy Mucky Mineral (S1) ☐ Sandy Gleyed Matrix (S4) ☐ Stripped Matrix (S6) ☐ Dark Surface (S7) (LRR R, MLRA *Indicators of hydrophytic vegetation and wetland hydrology must be					A 149B) (S9) BB eral (F1) rix (F2) B) e (F6) face (F7) s (F8)	Coast Prairie Redox (A16) (LRR K, L, R) S9) Coast Prairie Redox (A16) (LRR K, L, R) S cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Ce (F7) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)				
Restrict	tive Layer (i	f observed)	:							
Type:							Hydri	soil present? Y		
Depth ((inches):									
Remark	ve.									
		ırated mı	icky min	eral through	out the profi	ام				
1110	3011 13 3411	arated file	icky iiiii	crai tillougii	out the pron	Ю.				