WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP	_ City/County: Carlton	Sampling Date: 5/28/2014			
Applicant/Owner: Enbridge	State: N	IN Sampling Point: CRC5168i1W			
Investigator(s): BJC/DGL		Township, Range:			
Landform (hillslope, terrace, etc.): Depression		concave, convex, none): CC			
Slope (%): 0 - 2% Lat.: 46.629377	_Long.: <u>-92.483488</u> Datur				
Soil Map Unit Name: 355C		NWI Classification:			
Are climatic/hydrologic conditions of the site typical Are vegetation \Box soil \Box or hydrol		(If no, explain in remarks)			
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Are vegetation, soil, or hydrol (If needed, explain any answers in remarks)	ogy naturally problematic	? circumstances" present? ☐			
(If fleeded, explain any answers in remarks)					
SUMMARY OF FINDINGS					
Hydrophytic vegetation present?	_ 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					
The sample point is located in a depressiona	al wet meadow adjacent to a r	mesic hardwood forest.			
HYDROLOGY					
		Secondary Indicators (minimum of two			
Primary Indicators (minimum of one is required; che	eck all that apply)	required)			
☐ Surface Water (A1) ☐ W	ater-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)			
	juatic Fauna (B13)	Drainage Patterns (B10)			
☑ Saturation (A3) ☐ Marl Deposits (B15) ☐ Moss Trim Lines (B16)					
	rdrogen Sulfide Odor (C1) kidized Rhizospheres on	Dry-Season Water Table (C2)			
	☐ Crayfish Burrows (C8)☐ Saturation Visible on Aerial Imagery				
	ring Roots (C3) esence of Reduced Iron (C4)	(C9)			
	ecent Iron Reduction in Tilled	☐ Stunted or Stressed Plants (D1)			
	oils (C6)	Geomorphic Position (D2)			
Imagery (B7)	in Muck Surface (C7)	☐ Shallow Aquitard (D3)			
<u> </u>	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): 1	wetland			
Saturation present? Yes	Depth (inches): 0	hydrology			
(includes capillary fringe)		present? Y			
Describe recorded data (-t	well periol whotes are investigated	stions) if available.			
Describe recorded data (stream gauge, monitoring	weii, aeriai priotos, previous inspec	cuons), it available:			
Remarks:		No a consula variat			
There is surface water present in other are	eas of the wetland, but not at t	tne sample point.			

SUIL								Samp	ling Point:	CRC516811W	
Drofilo	Doscription:	(Dosoribo	to the de	onth noodod t	to docum	ont the i	ndicator o	r oonfirm	the absence	of indicators \	
		Matrix	to the de	pin needed i				COMMITTE	the absence of	or indicators.)	
Depth	, ,							T	 	Remarks	
(ln.)		(moist)	%	Color (m	ioist)	%	Type*	Loc**	Texture		
0-18	Hue_10YR	2/1	100						M		
			+++					1			
									+		
*Type:	C=Concentr	ation, D=D	epletion,	RM=Reduce	d Matrix,	CS=Co	vered or C	oated Sa	and Grains		
**Locat	tion: PL=Por	e Lining, M	1=Matrix								
Hydric	Soil Indica	tors:						Indicat	ors for Probl	ematic 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 ☐ Polyvalue Below St. (S8) (LRR R, MLRA (LRR R, MLRA 149 ☐ Loamy Mucky Mine (LRR K, L) ☐ Loamy Gleyed Matrix (F3 ☐ Redox Dark Surface ☐ Depleted Dark Surface ☐ Depleted Dark Surface ☐ Dark Surface (S7) (LRR R, MLRA *Indicators of hydrophytic vegetation and wetland hydrology must be ☐ Restrictive Layer (if observed):						Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L al (F1) 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) (F8) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) present, unless disturbed or problematic.					
Type: Depth (Hydric soil present? Y			
Remarl	` <u> </u>				-						
		nucky thr	ouahout	the profile							
1110		maony an	ougilout	the prome	•						