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: CRC5168g1U				
Investigator(s): BJC/DGL	Section,	Township, Range:				
Landform (hillslope, terrace, etc.): Side slope	Local relief (c	concave, convex, none): CL				
Slope (%): <u>3 - 7%</u> Lat.: <u>46.630581</u>	Long.: <u>-92.48084</u> Datur					
Soil Map Unit Name: 355E		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 hydrol	ogy \Box naturally problematic	? circumstances" present?				
(If needed, explain any answers in remarks)						
SUMMARY OF FINDINGS	<u> </u>					
Hydrophytic vegetation present? N	Is the sampled area wit	hin a wetland? N				
Hydric soil present?						
Indicators of wetland hydrology present? N	If yes, optional wetland si	ite ID:				
Remarks: (Explain alternative procedures here or in	a separate report)					
The upland sample point is located upslope		dwood forest				
The apiana sample point is located apsiope	of the wettaria in a mesic hard	awood forest.				
HYDROLOGY						
		Secondary Indicators (minimum of two				
Primary Indicators (minimum of one is required; che	eck all that apply)	required)				
	ater-Stained Leaves (B9)	Surface Soil Cracks (B6)				
	juatic Fauna (B13)	Drainage Patterns (B10)				
	rdrogen Sulfide Odor (C1) kidized Rhizospheres on	☐ Dry-Season Water Table (C2)☐ 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)				
	oils (C6)	Geomorphic Position (D2)				
	in 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 (stream gauge, monitoring	well aerial photos, previous inspec	tions) if available:				
2000.20 roomada data (diream gaage, momtoling	Ton, derial priotos, previous inspec	one, ii availabio.				
Remarks:						
No indicators of wetland hydrology were o	bserved.					
in in the second control of the second contr	· -					

SOIL								Samp	ling Point:	CRC5168g1U
			to the de	pth needed to				confirm	the absence	of indicators.)
Depth		Matrix	0/	0.1./		Feature		T	-	Remarks
(ln.)		(moist)	%	Color (mo	oist)	%	Type*	Loc**	Texture	
0-8	Hue_10YR		100			-		1	SICL	
8-18	Hue_7.5YR	3/4	100						SIL	
*T	C-Canaanti	otion D-D	anlation	RM=Reduced	d Matrix	00-00	rand an C	antad C	and Crains	
	c=concent ion: PL=Por			RIVI=Reduced	ı Matrix,	US=U0	vered or C	oated S	and Grains	
	Soil Indica	<u> </u>	-Watrix					Indica	tors for Probl	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) ☐ Sandy Redox (S5) ☐ Stripped Matrix (S6) ☐ Dark Surface (S7) (LRR R, MLRA *Indicators of hydrophytic vegetation and wetland hydrology must be						Coast Prairie Redox (A16) (LRR K, L, R) S9) B				
Type:	tive Layer (ii	f observed)	:					Hydri	c soil present	t? <u>N</u>
Remarl No i		of hydric s	soils wer	e observed						