WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Applicant/Owner: Enbridge Investigator(s): BEH/BCS Landform (hillslope, terrace, etc.): Shoulder Slope (%): 3 - 7% Lat.: 47.20927366 Lon Soil Map Unit Name: 1336 Are climatic/hydrologic conditions of the site typical for th Are vegetation , soil , or hydrology Are vegetation , soil , or hydrology (If needed, explain any answers in remarks)	Local relief (cc g.: <u>-94.954836</u> 72 Datum	wnship, Range: ncave, convex, none): VV NWI Classification: (If no, explain in remarks) Are "normal				
SUMMARY OF FINDINGS Hydrophytic vegetation present? N Hydrig geil present?	Is the sampled area with	in a wetland? N				
N N dicators of wetland hydrology present? N If yes, optional wetland site ID:						
Remarks: (Explain alternative procedures here or in a se The upland sample point is located in a mowed f		raminoids and field pussy-toes.				
HYDROLOGY						
 High Water Table (A2) Aquatic Saturation (A3) Marl De Water Marks (B1) Hydroge Sediment Deposits (B2) Oxidized Drift Deposits (B3) Living R Algal Mat or Crust (B4) Presend Iron Deposits (B5) Recent Inundation Visible on Aerial Soparsely Vegetated Concave Surface (B8) 	Stained Leaves (B9) Fauna (B13) posits (B15) en Sulfide Odor (C1) d Rhizospheres on toots (C3) se of Reduced Iron (C4) Iron Reduction in Tilled	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 Water table present? Yes Saturation present? Yes (includes capillary fringe)	Depth (inches): Depth (inches): Depth (inches):	Indicators of wetland hydrology present? <u>N</u>				
Describe recorded data (stream gauge, monitoring well, a	aerial photos, previous inspect	ions), if available:				
Remarks: No primary or secondary hydrological indicator	s were observed.					

HUC5226a1U		
sholds 20% m 0 ub Stratum 0 m 15 e Stratum 0	50% 0 0 38 0	
e Test Worksheet Dominant it are OBL, FAC: 0 per of Dominant cross all Strata: 3 Dominant it are OBL, FAC: 0.00 e Index Worksheet	3 (B)	
ver of: x 1 = cies 0 x 2 = is 0 x 3 = ies 60 x 4 = 2 s 15 x 5 =	0 0 240 75 315 (B)	
ic Vegetation Indicato est for hydrophytic veg ince test is >50% nce index is ≤3.0* logical adaptations* (p ing data in Remarks or e sheet) natic hydrophytic veget n) hydric soil and wetland hydri s disturbed or problematic	jetation provide r on a tation*	
of Vegetation Strata plants 3 in. (7.6 cm) or mor (DBH), regardless of height b - Woody plants less than 3 .28 ft (1 m) tall.	re in diameter a t.	
paceous (non-woody) plants dy plants less than 3.28 ft ta - All woody vines greater th	all.	
hytic tion t? <u>N</u>		
ti	ion	

SOIL								Samp	ling Point:	HUC5226a1U	
Profile	Description:	(Describe	to the	depth needed to	o docume	nt the ii	ndicator or	. confirm	the absenc	e of indicators.)	
Depth		Matrix			Redox I	Feature		•		Remarks	
(ln.)	Color	(moist)	%	Color (m	oist)	%	Type*	Loc**	Texture	Remarks	
0-4	Hue_10YR	3/1	100						SCL	Gravel fragments present.	
4-20	Hue 10YR	5/4	90	Hue_10YR	5/8	10	С	М	SL		
				n, RM=Reduce	d Matrix, C	CS=Cov	vered or C	oated Sa	and Grains		
	ion: PL=Por		=Matrix	κ							
Hydric	Soil Indica	tors:						Indicat	ors for Pro	blematic Hydric Soils:	
□ Histosol (A1) □ Polyvalue Below Surface □ 2 cm Muck (A10) (LRR K, L, MLRA 14 □ Histic Epipedon (A2) □ Statified Layers (A3) □ Thin Dark Surface (S9) □ 5 cm Mucky Peat or Peat (S3) (LRR K, L □ Hydrogen Sulfide (A4) □ Lamy Mucky Mineral (F1) □ Depleted Below Dark Suface (A11) □ Loamy Mucky Mineral (F1) □ Dark Surface (S9) (LRR K, L □ Thick Dark Surface (A12) □ Loamy Gleyed Matrix (F2) □ Iron-Manganese Masses (F12) (LRR K, L) □ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F6) □ Mesic Spodic (TA6) (MLRA 144A, 145, □ □ Sandy Redox (S5) □ Depleted Dark Surface (F7) □ Redox Depressions (F8) □ Very Shallow Dark Surface (TF12) □ Dark Surface (S7) (LRR R, MLRA * □ Other (Explain in Remarks) * Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. □									Redox (A16) (LRR K, L, R) eat or Peat (S3) (LRR K, L, R) (S7) (LRR K, L ow Surface (S8) (LRR K, L) face (S9) (LRR K, L) se Masses (F12) (LRR K, L, R) dplain Soils (F19) (MLRA 149B) (TA6) (MLRA 144A, 145, 149B) aterial (F21) Dark Surface (TF12) in Remarks)		
Restrictive Layer (if observed): Type: Depth (inches):							Hydric soil present? <u>N</u>				
Remarl Soil		racteristic	cs do r	not meet any	hydric s	oil indi	icators.				