WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Applicant/Owner: Enbridge Investigator(s): BJC/DGL Landform (hillslope, terrace, etc.): Depression	Local relief (ca ng.: <u>-92.481779</u> Datun	Township, Range: oncave, convex, none): CC n: NWI Classification: (If no, explain in remarks)
Are vegetation, soil, or hydrology (If needed, explain any answers in remarks) SUMMARY OF FINDINGS	naturally problematic?	? circumstances" present?
Hydrophytic vegetation present? Y Hydric soil present? Y Indicators of wetland hydrology present? Y	Is the sampled area with	
Remarks: (Explain alternative procedures here or in a see The wetland is a small, depressional, scrub-shru	,	in a mesic hardwood forest.
HYDROLOGY		
 High Water Table (A2) Aquation (A3) Water Marks (B1) Water Marks (B1) Hydrog Sediment Deposits (B2) Oxidize Drift Deposits (B3) Algal Mat or Crust (B4) Presen Iron Deposits (B5) Recent Inundation Visible on Aerial Soils (Concave Sparsely Vegetated Concave Surface (B8) 	Stained Leaves (B9) c Fauna (B13) eposits (B15) jen Sulfide Odor (C1) ed Rhizospheres on Roots (C3) ice of Reduced Iron (C4) t 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): 1 Depth (inches): 0 Depth (inches): 0	Indicators of wetland hydrology present? Y
Describe recorded data (stream gauge, monitoring well,	aerial photos, previous inspec	tions), if available:
Surface water is present throughout the wetlan	nd.	

EGETATION - Use scientific names of plan				IS	3	ampling Point	CRC5168b1W 50/20 Thresholds			
Tree Stratum	Plot Size (30 ft)	Absolute % Cover	Dominant Species	Indicator Status	50/20 Thresholds	20% 4	50% 10	
Fraxinus nigra				20	Y	FACW	Sapling/Shrub Stratum	9	23	
							Herb Stratum	18	45	
							Woody Vine Stratum	0	0	
							Dominance Test Worksh	eet		
							Number of Dominant			
							Species that are OBL,			
							FACW, or FAC:	4	(A)	
							Total Number of Dominan	t		
					Tatal Osuar		Species Across all Strata:	5	(B)	
				20 =	Total Cover		Percent of Dominant			
apling/Shrub				Absolute	Dominant	Indicator	Species that are OBL, FACW, or FAC:	80 00	% (A/	
Stratum	Plot Size (15 ft)	% Cover	Species	Status			<u>,,,</u> (, ,	
Acer rubrum				30	Y	FAC	Prevalence Index Works	heet		
Tilia americana				15	Y	FACU	Total % Cover of:			
							OBL species 45 x 7 FACW species 60 x 2		5 20	
							FACW species 60 x 2 FAC species 35 x 3)5	
							FACU species 15 x 4	1 = 6	0	
							UPL species 0 x 5	5 =(
								\ <u>2</u>		
							Column totals 155 (A Prevalence Index = B/A =) 33		
							Column totals 155 (A			
				45	Total Cover		Column totals 155 (A Prevalence Index = B/A =	2.13		
		F #		45 Absolute	Total Cover	Indicator	Column totals 155 (A Prevalence Index = B/A = Hydrophytic Vegetation	2.13	s:	
	Plot Size (5 ft)		Dominant Species	Status	Column totals 155 (A Prevalence Index = B/A = Hydrophytic Vegetation Rapid test for hydroph X Dominance test is >50	2.13 Indicator ytic veget	s:	
Caltha palustris		5 ft)	Absolute % Cover 45	Dominant Species Y	Status OBL	Column totals <u>155</u> (A Prevalence Index = B/A = Hydrophytic Vegetation Rapid test for hydroph X Dominance test is >50 X Prevalence index is <3	2.13 Indicator ytic veget	s: ation	
Caltha palustris Equisetum sylvaticu		5 ft)	Absolute % Cover 45 25	Dominant Species Y Y	Status OBL FACW	Column totals <u>155</u> (A Prevalence Index = B/A = Hydrophytic Vegetation Rapid test for hydroph X Dominance test is >50 X Prevalence index is <3 Morphological adaptat	2.13 Indicator ytic veget % 0.0* ions* (pro	s: ation	
Caltha palustris	ım	5 ft)	Absolute % Cover 45	Dominant Species Y	Status OBL	Column totals <u>155</u> (A Prevalence Index = B/A = Hydrophytic Vegetation Rapid test for hydroph X Dominance test is >50 X Prevalence index is <3 Morphological adaptat supporting data in Rer separate sheet)	2.13 Indicator ytic veget % .0* ions* (pro narks or o	s: ation ovide on a	
Equisetum sylvaticu Onoclea sensibilis	ım	5 ft)	Absolute % Cover 45 25 15	Dominant Species Y Y N	Status OBL FACW FACW	Column totals <u>155</u> (A Prevalence Index = B/A = Hydrophytic Vegetation Rapid test for hydroph X Dominance test is >50 X Prevalence index is <3 Morphological adaptat supporting data in Rer separate sheet) Problematic hydrophyt	2.13 Indicator ytic veget % .0* ions* (pro narks or o	s: ation ovide on a	
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SOIL								Samp	ling Point:	CRC5168b1W	
Profile	Description:	(Describe	to the o	depth needed t	o docume	nt the i	indicator or	r confirm	the absence o	f indicators.)	
Depth				Redox Features			es			Remarks	
(ln.)	Color	(moist)	%	Color (m	oist)	%	Type*	Loc**	Texture	Remarks	
0-18	Hue 10YR	2/1	100						М		
									1		
*Type:	C=Concentr	ation, D=D	epletior	n, RM=Reduce	d Matrix, (CS=Co	vered or C	oated Sa	and Grains		
	ion: PL=Por				,						
Hydric	Soil Indica	tors:						Indicat	ors for Proble	matic Hydric Soils:	
	Histic Epipedon (A2) (S8) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, K, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) Dark Surface (S7) (LRR K, L Hydrogen Sulfide (A4) LCRR R, MLRA 149B Dark Surface (S7) (LRR K, L Stratified Layers (A5) Loamy Mucky Mineral (F1) Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Loamy Gleyed Matrix (F2) Thin Dark Surface (S9) (LRR K, L) Sandy Mucky Mineral (S1) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MI Sandy Redox (S5) Depleted Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 1 Stripped Matrix (S6) Depleted Dark Surface (F7) Redox Depressions (F8) Joark Surface (S7) (LRR R, MLRA Other (Explain in Remarks) ators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.					or Peat (S3) (LRR K, L, R)) (LRR K, L Surface (S8) (LRR K, L) e (S9) (LRR K, L) Masses (F12) (LRR K, L, R) ain Soils (F19) (MLRA 149B 6) (MLRA 144A, 145, 149B) rial (F21) k Surface (TF12) Remarks)					
Type:	tive Layer (if (inches):	observed)	:					Hydric	soil present?	? <u>Y</u>	
Remar	ks:						l				
		cky throug	jhout t	he profile.							