WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Applicant/Owner: Enbridge Investigator(s): EAB/RAJ Landform (hillslope, terrace, etc.) Depression Slope (%): 0 - 2% Lat.: 47.410132 Lon Soil Map Unit Name: 40C Are climatic/hydrologic conditions of the site typical for th Are vegetation , soil , or hydrology Are vegetation , soil , or hydrology	Local relief (co g.: <u>-95.266872</u> Datum is time of the year? ☑ ☑ significantly disturbed?	ownship, Range: ncave, convex, non(CC NWI Classification: (If no, explain in remarks) Are "normal
(If needed, explain any answers in remarks) SUMMARY OF FINDINGS		
Hydrophytic vegetation present? Y Hydric soil present? Y Indicators of wetland hydrology present? Y Remarks: (Explain alternative procedures here or in a set)	Is the sampled area with If yes, optional wetland site	
The sample point is in a wet black ash forest on t		dor.
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 Soils (C4) Imagery (B7) Thin Mu	tained Leaves (B9) Fauna (B13) posits (B15) en Sulfide Odor (C1) d Rhizospheres on oots (C3) ee 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): 2 Depth (inches): 0 Depth (inches): 0	Indicators of wetland hydrology present? Y
Describe recorded data (stream gauge, monitoring well, a	aerial photos, previous inspecti	ions), if available:
Surface water is present throughout the comm	unity.	

		names o	n piari	ts		ampling Point		///////	
Tree Stratum	Plot Size (30 ft)	Absolute % Cover	Dominant Species	Indicator Status	50/20 Thresholds Tree Stratum	20% 14	50% 35
Fraxinus nigra				70	Y	FACW	Sapling/Shrub Stratum	6	15
							Herb Stratum	9	24
					<u> </u>		Woody Vine Stratum	0	0
					·		Dominance Test Worksh	neet	
							Number of Dominant		
							Species that are OBL,		
							FACW, or FAC:	5	(A)
							Total Number of Dominan		
				70 =	= Total Cover		Species Across all Strata	: 5	(B)
				10			Percent of Dominant Species that are OBL,		
apling/Shrub		45.6	`	Absolute	Dominant	Indicator	FACW, or FAC:	100.00)% (A/E
Stratum	Plot Size (15 ft)	% Cover	Species	Status			
Fraxinus nigra				30	Y	FACW	Prevalence Index Works	heet	
							Total % Cover of:		
							OBL species <u>36</u> x FACW species <u>111</u> x		6 22
·							FAC species 0 x)
							· · · · · · · · · · · · · · · · · · ·	-	<u>)</u>
							UPL species 0 x S Column totals 147 (A	-) 58 (B)
							Prevalence Index = B/A =	1.76	
								1.76	
				30	= Total Cover		Prevalence Index = B/A =		
Jorb Stratum	Plot Size (5.#		30 Absolute	Total Cover	Indicator		Indicator	s:
	Plot Size (5 ft)	Absolute % Cover	Dominant Species	Status	Prevalence Index = B/A = Hydrophytic Vegetation Rapid test for hydroph X Dominance test is >50	Indicator nytic vege	s:
Carex tuckerma		5 ft)	Absolute % Cover 25	Dominant Species Y	Status OBL	Prevalence Index = B/A = Hydrophytic Vegetation Rapid test for hydroph X Dominance test is >50 X Prevalence index is ≤5	Indicator nytic vege)% 3.0*	's: tation
		5 ft)	Absolute % Cover	Dominant Species	Status	Prevalence Index = B/A = Hydrophytic Vegetation Rapid test for hydroph X Dominance test is >50	Indicator nytic vege 0% 3.0* tions* (pro	rs: tation
Carex tuckerma Fraxinus nigra	nii	5 ft)	Absolute % Cover 25 10 10 1	Dominant Species Y Y Y N	Status OBL FACW OBL OBL	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)	Indicator nytic vege 0% 3.0* tions* (pro marks or o	rs: tation ovide on a
Carex tuckerman Fraxinus nigra Iris versicolor	nii	5 ft)	Absolute % Cover 25 10 10	Dominant Species Y Y Y	Status OBL FACW OBL	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 hydrophy	Indicator nytic vege 0% 3.0* tions* (pro marks or o	rs: tation ovide on a
Carex tuckerman Fraxinus nigra Iris versicolor Calamagrostis c	nii	5 ft)	Absolute % Cover 25 10 10 1	Dominant Species Y Y Y N	Status OBL FACW OBL OBL	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 hydrophy (explain)	Indicator nytic vege 0% 3.0* tions* (pro marks or o tic vegeta	rs: tation ovide on a tion*
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Herb Stratum Carex tuckerman Fraxinus nigra Iris versicolor Calamagrostis c	nii	5 ft)	Absolute % Cover 25 10 10 1 1 1	Dominant Species Y Y N N	Status OBL FACW OBL OBL	Prevalence Index = B/A = Hydrophytic Vegetation Rapid test for hydroph Dominance test is >50 Prevalence index is <50 Morphological adaptat supporting data in Rer separate sheet) Problematic hydrophy (explain) *Indicators of hydric soil and we present, unless disturbed or pro Definitions of Vegetation Tree - Woody plants 3 in. (7.6 c breast height (DBH), regardless	Indicator hytic vege 3.0* tions* (pro- marks or of tic vegeta ettand hydro blematic n Strata: m) or more s of height.	s: tation ovide on a tion* logy must l
Carex tuckerman Fraxinus nigra Iris versicolor Calamagrostis c	nii	5 ft)	Absolute % Cover 25 10 10 1 1 1	Dominant Species Y Y Y N	Status OBL FACW OBL OBL	Prevalence Index = B/A = Hydrophytic Vegetation Rapid test for hydroph Dominance test is >50 Prevalence index is <5 Morphological adaptal supporting data in Rer separate sheet) Problematic hydrophy (explain) *Indicators of hydric soil and we present, unless disturbed or pro Definitions of Vegetation Tree - Woody plants 3 in. (7.6 c breast height (DBH), regardless Sapling/shrub - Woody plants I greater than 3.28 ft (1 m) tall. Herb - All herbaceous (non-wood	Indicator hytic vege 3.0* tions* (pro- marks or or tic vegeta etland hydro blematic n Strata: m) or more s of height. less than 3 bdy) plants,	s: tation ovide on a tion * logy must l in diamete in. DBH an regardless
Carex tuckerman Fraxinus nigra Iris versicolor Calamagrostis c Ribes hirtellum	nii	5 ft)	Absolute % Cover 25 10 10 1 1 1 1 	Dominant Species Y Y N N N = Total Cover Dominant	Status OBL FACW OBL FACW	Prevalence Index = B/A = Hydrophytic Vegetation Rapid test for hydroph Dominance test is >50 X Prevalence index is <5 Morphological adaptat supporting data in Rer separate sheet) Problematic hydrophy (explain) *Indicators of hydric soil and we present, unless disturbed or pro Definitions of Vegetation Tree - Woody plants 3 in. (7.6 c breast height (DBH), regardless Sapling/shrub - Woody plants I greater than 3.28 ft (1 m) tall.	Indicator hytic vege 3.0* tions* (pro- marks or or tic vegeta etland hydro blematic n Strata: m) or more s of height. less than 3 bdy) plants,	s: tation ovide on a tion * logy must l in diamete in. DBH an regardless
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SOIL								Samp	ling Point:	CLC5077y1W	
Profile	Description:	(Describe	to the	depth needed t	o docume	nt the i	ndicator or	r confirm	the absenc	e of indicators.)	
Depth		Matrix			Redox I						
(ln.)	Color	(moist)	%	Color (m	oist)	%	Type*	Loc**	Texture	Remarks	
0-3	Hue 10YR	2/1	100	(,		71* *		М		
3-5	Hue 10YR	2/1	100						MMI		
5-11	Hue 10YR	4/1	100						SC	Very fine sandy clay.	
	Hue 10YR	6/2	98	Hue_10YR	4/4	2	С	М	SC	Coarse sandy clay.	
		0,2									
*	0-0-0-0-0-0	ation D-D			d Matrix (
	C=Concentr		•	n, RM=Reduce x	d Matrix, C	S=Co	vered or C	oated Sa	and Grains		
Hydric	Soil Indica	tors:						Indicat	ors for Pro	blematic Hydric Soils:	
	Thick Dark Sandy Muc Sandy Gley Sandy Red Stripped Ma Dark Surfac	Sulfide (A4) ayers (A5) elow Dark S Surface (A ky Mineral ved Matrix (ox (S5) atrix (S6) ce (S7) (LR	S1) Image: Depleted Matrix (F3) Image: Depleted Matrix (F3) S4) Image: Redox Dark Surface (F6) Image: Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Image: Depleted Dark Surface (F7) Image: Redox Depressions (F8) Image: Redox Depressions (F8) Image: Matrix (F3) Image: Redox Depressions (F8) Image: Redox Depressions (F8) Image: Redox Depressions (F8)								
Type:	tive Layer (if	observed)	:					Hydric	: soil prese	ent? <u>Y</u>	
Remarl Muc		mineral s	oil wit	th redox featu	ures.						