WETLAND DETERMINATION DATA FORM - North Central and Northeast Region

Project/Site: 13_mainline	Sampling Date: <u>2017-06-19</u>						
Applicant/Owner: Enbridge		State:			Sampling Point: w-146n36w7-f1		
Investigator(s): SMR, MG		Section, Township, Range: S7, T146N, R36W					
Landform (hillslope, terrace, etc.): Depressible Subregion (LRR or MLRA): Soil Map Unit Name: 40C Are climatic/hydrologic conditions on the Are Vegetation No , Soil No , or Hydrologic No , or Hydrologi	e site typical fo	Latitude: 47	f no, explain in Remarl	Longitude: -95.294 N ks): nstances" present?	IWI Classification: PSS1C Yes		
SUMMARY OF FINDINGS - Attach site	e map showing	sampling point locat	tions, transects, impo	rtant features. etc.			
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative procedure	<u>Y</u> <u>Y</u> <u>Y</u> e	es es es	Is the Sampled Area within a Wetland? If yes, optional Wetland		<u>Yes</u> w-146 n36w7-f		
HYDROLOGY Wetland Hydrology Indicators:				<u>Secondary</u>	Indicators (minimum of	two required)	
Primary Indicators (minimum of one is r	equired; check	all that apply)			Surface Soil Cracks (B6)		
yes Surface Water (A1)		Water-Stained Leaves	(B9)		Drainage Patterns (B10)		
yes High Water Table (A2)		Aquatic Fauna (B13)		<u>yes</u> _N	yes Moss Trim Lines (B16)		
yes Saturation (A3)		Marl Deposits (B15)			Dry-Season Water Table (C2)		
Water Marks (B1)		Hydrogen Sulfide Odo	r (C1)	c	Crayfish Burrows (C8)		
Sediment Deposits (B2)	ent Deposits (B2) Oxidized Rhizo		spheres on Living Roots (C3)		Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of F		Reduced Iron (C4)		Stunted/Stressed Plants (D1)		
Algal Mat or Crust (B4)	ust (B4) Recen		in Tilled Soils (C6)	<u>yes</u> G	<u>yes</u> Geomorphic Position (D2)		
Iron Deposits (B5)		Thin Muck Surface (C7			Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)		Other (Explain in Rem	arks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8				yes _F	AC-Neutral Test (D5)		
Field Observations:	Vaa		2				
Surface Water Present?	Yes	Depth (inches) 3					
Water Table Present?	Yes	Depth (inches)				V	
Saturation Present?	<u>Yes</u>	Depth (inches)	<u>U</u>	Wetland Hydi	rology Present?	<u>Yes</u>	
(includes capillary fringe)							
Describe Recorded Data (stream gauge, Remarks:	monitoring we	ii, aei iai piiotos, pi ev	ious inspections), ii av	anabre.			

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot Size: 30	% Cover	Species?	Status	Num ber of Do minant Species		
1. Fraxinus nigra	90.00	Yes	FACW	That Are OBL, FACW, or FAC: 1 (A)		
2.				Total Number of Dominant		
3				Species Across All Strata: 1 (B)		
4.				Percent of Dominant Species		
				That Are OBL, FACW, or FAC: 100 (A/B)		
5. 6.				Prevalence Index worksheet:		
7			· ·	Total % Cover of: Multiply by:		
	90	_ = Total Cover		OBL species <u>20.00</u> x 1 <u>20</u>		
Sapling/Shrub Stratum (Plot Size: 15)				FACW species <u>110.00</u> x 2 <u>220</u>		
1. Fraxinus nigra	20.00	Yes	FACW	FACU species <u>0.00</u> x 3 <u>0</u>		
2		_		UPL species <u>0.00</u> x 4 <u>0</u>		
3				Column Totals <u>130</u> (A) <u>240</u> (B)		
4				Prevalence Index = B/A = <u>1.8461538</u>		
5				Hydrophytic Vegetation Indicators:		
6				1 - Rapid Test for Hydrophytic Vegetation		
7.		- · · · · · · · · · · · · · · · · · · ·		yes 2 - Dominance Test is > 50%		
	20	= Total Cover		yes 3 - Prevalence Index is ≤ 3.0 ¹		
Herb Stratum (Plot Size: 5						
1. Carex stricta	20		OBL	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)		
	20	_	- OBL	1,		
2				Problematic Hydrophytic Vegetation ¹ (Explain)		
3		_		Indicators of hydrics oil and wetland hydrology must be present, unless disturbed		
4		_		or problematic.		
5				Definitions of Vegetation Strata:		
6						
7		_		Tree - Woody plants 3 in. (.76 cm) or more in diameter at breast height (DBH), regardless of height.		
8						
9				Sapling/Shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
10						
10		-	-	Herb - All herbaeceous (non-woody) plants, regardless of size, and		
11		_	· ·	woody plants less than 3.28 ft tall.		
12		_				
	20	_ = Total Cover		Woody vines - All woody vines greater than 3.28 ft in height.		
Woody Vine Stratum (Plot Size: 30)						
1		_				
2				Hydrophytic		
3.				Vegetation Present? Yes		
4.						
	0	=Total Cover				
Remarks: (include photo numbers here or on a separate sheet.)			<u> </u>		
Remarks. (include prioto numbers here of our a separate sheet.)					

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