WETLAND DETERMINATION DATA FORM - North Central and Northeast Region

Project/Site: <u>I3_mainline</u>	City/County: Clearwater		Sampling Date: 2017-06-12				
Applicant/Owner: Enbridge		State: Minnesota	Sampling Point: w-145n36w11-e3				
Investigator(s): TDT/DPT	Section, Township, Range: S11, T145N, R36W						
Landform (hillslope, terrace, etc.): Depression	Section, rownship,	Local Relief (concave, co	Slope (%):				
Subregion (LRR or MLRA): Latitude: 47.3886893922 Longitude: -95.22006975 Datum: NAD83							
Soil Map Unit Name: 1878	<u> </u>		NWI Classification: PEM/SS1Bg				
Are climatic/hydrologic conditions on the site typical	al for this time of year?	if no explain in Remarks					
Are climate/frydrotogic conditions on the site typica	ai for this time of year: (ii iio, expiaiii iii kemarks,	163				
Are Vegetation No , Soil No , or Hydrology No	significantly disturbed	d? Are "Normal Circumst	tances" present? Yes				
Are Vegetation No_, Soil No_, or Hydrology No_	_naturally problematic?	(If needed, explain any a	answers in Remarks)				
SUMMARY OF FINDINGS - Attach site map show	ving sampling point loca	tions, transects, importa	ant features, etc.				
Hydrophytic Vegetation Present?	<u>Yes</u>	Is the Sampled Area					
Hydric Soil Present?	Yes	within a Wetland?	<u>Yes</u>				
Wetland Hydrology Present?	Yes	If yes, optional Wetland	d Site ID: <u>w-145 n36w11-e</u>				
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; ch	Surface Soil Cracks (B6)						
Surface Water (A1)	Wat er-Stained Leaves	s (B9)	Drainage Patterns (B10)				
no High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)				
yes Saturation (A3)	Marl Deposits (B15)	45.1	Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odd		Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized Rhizosphere		Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Reduced		Stunted/Stressed Plants (D1) Yes Geomorphic Position (D2)				
	Recent Iron Reduction		Shallow Aquitard (D3)				
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C Other (Explain in Rem		Microto pographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Neil	arks,	yes FAC-Neutral Test (D5)				
Field Observations:			,				
Surface Water Present? No	Depth (inches)						
Water Table Present? Yes	Depth (inches) 16						
Saturation Present? Yes	Depth (inches) 10		Wetland Hydrology Present? Yes				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, pre	vious inspections), if avail	lable:				
Remarks:							
Trements.							

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot Size: 30	% Cover	Species?	Status	Num ber of Do minant Species	
1. Acer rubrum	5.00	Yes	FAC	That Are OBL, FACW, or FAC: 4 (A)	
2.				Total Number of Dominant	
3				Species Across All Strata: 4 (B)	
4.				Percent of Dominant Species	
				That Are OBL, FACW, or FAC: 100 (A/B)	
6.		· ·		Prevalence Index worksheet:	
7			· 	Total % Cover of: Multiply by:	
	5	= Total Cover		OBL species <u>110.00</u> x 1 <u>110</u>	
Sapling/Shrub Stratum (Plot Size: 15)				FACW species <u>50.00</u> x 2 <u>100</u>	
1. Alnus incana	40.00	Yes	FACW	FACU species <u>0.00</u> x 3 <u>0</u>	
2. Salix petiolaris	20.00	Yes	OBL	UPL species <u>0.00</u> x 4 <u>0</u>	
3				Column Totals <u>165</u> (A) <u>225</u> (B)	
4				Prevalence Index = B/A = <u>1.3636363</u>	
5			. <u></u>	Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegetation	
7				yes 2 - Dominance Test is > 50%	
	60	= Total Cover		yes 3 - Prevalence Index is ≤ 3.0 ¹	
Herb Stratum (Plot Size: 5		-		4 - Morphological Adaptations (Provide	
1. Carex stricta	80.00	Yes	OBL	supporting data in Remarks or on a separate sheet)	
				Problematic Hydrophytic Vegetation ¹ (Explain)	
2. Calamagrostis canadensis	10.00	No No	FACW	Problematic Hydrophytic Vegetation (Explain)	
3. Iris versicolor	10.00	No No	OBL	Indicators of hydrics oil and wetland hydro bgy 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		_		Height (DBH), regal diess of height.	
9		_		Sapling/Shrub - Woody plants less than 3 in. DBH and greater than or	
10				equal to 3.28 ft (1 m) tall.	
10		_	-	Herb - All herbaeceous (non-woody) plants, regardless of size, and	
11		_	· ·	woody plants less than 3.28 ft tall.	
12	100	_			
	100	_ = Total Cover		Woody vines - All woody vines greater than 3.28 ft in height.	
Woody Vine Stratum (Plot Size: 30					
1					
2.				Hydrop hytic	
3.				Vegetation Present? Yes	
4.		_			
	0	=Total Cover			
Remarks: (include photo numbers here or on a separate sheet.	`	1 0 t air 60 v c i			
Remarks: (include prioto numbers here or on a separate sheet.)				

<

<