## WETLAND DETERMINATION DATA FORM - North Central and Northeast Region

Project/Site: <u>I3_mainline</u>	City/County: Clearwater		Sampling Date: 2017-06-14				
Applicant/Owner: Enbridge		State: Minnesota	Sampling Point: w-146n36w35-g3				
Investigator(s): DPT, SMR	Section, Township, Range: S35, T146N, R36W						
Landform (hillslope, terrace, etc.): Depression  Subregion (LRR or MLRA):  Soil Map Unit Name: 1164  Are climatic/hydrologic conditions on the site typica	al for this time of year? (	if no, explain in Remarks	ongitude: -95.22438484 Datum: NAD83  NWI Classification: N/A  Yes				
Are Vegetation No_, Soil No_, or Hydrology No_ significantly disturbed? Are "Normal Circumstances" present? Yes_							
Are Vegetation No_, Soil No_, or Hydrology No_ naturally problematic? (If needed, explain any answers in Remarks)							
SUMMARY OF FINDINGS - Attach site map show		<u> </u>	ant features, etc.				
Hydrophytic Vegetation Present?	<u>Yes</u>	Is the Sampled Area					
Hydric Soil Present?	<u>Yes</u>	within a Wetland?	<u>Yes</u>				
Wetland Hydrology Present?  Remarks: (Explain alternative procedures here or in	Yes	If yes, optional Wetlan	d Site ID: <u>w-146n36w35-g</u>				
HYDROLOGY Constitution of the second							
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; ch	Surface Soil Cracks (B6)						
no Surface Water (A1)	Wat er-Stained Leaves	s (B9)	Drainage Patterns (B10)				
yes High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)				
yes Saturation (A3)	Marl Deposits (B15)	45.0	Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odd		Crayfish Burrows (C8)				
Sediment Deposits (B2)  Drift Deposits (B3)	Oxidized Rhizospheres on Living Roots (C3)  Presence of Reduced Iron (C4)		Saturation Visible on Aerial Imagery (C9)  NO Stunted/Stressed Plants (D1)				
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)		yes Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Rem		Microto pographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)			yes FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present? No	Depth (inches)	·					
Water Table Present? Yes	Depth (inches) 10						
Saturation Present? Yes	Depth (inches) 0		Wetland Hydrology Present? Yes				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, pre	vious inspections), if ava	ilable:				
Remarks:							

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot Size: 30	% Cover	Species?	Status	Num ber of Do minant Species
1. Fraxinus nigra	10.00	Yes	FACW	That Are OBL, FACW, or FAC: 6 (A)
2. Ulmus americana	5.00	Yes	FAC	Total Number of Dominant
3				Species Across All Strata: 6 (B)
4.				Percent of Do minant Species
5.				That Are OBL, FACW, or FAC: 100 (A/B)
6.				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
	15	= Total Cover		OBL species 60.00 x 1 60
Sapling/Shrub Stratum (Plot Size: 15 )		- Total Cover		FACW species 60.00 x 2 120
1. Populus balsamifera	30.00	Yes	FACW	FACU species 10.00 x 3 40
2. Populus tremuloides	30.00	Yes	FAC	UPL species 0.00 x 4 0
3. Ulmus americana	10.00	No	FAC	
	10.00	110	TAC .	Column Totals <u>185</u> (A) <u>385</u> (B)  Prevalence Index = B/A = <u>2.0810810</u>
5.				
				Hydrophytic Vegetation Indicators:
6		· <del></del>		1 - Rapid Test for Hydrophytic Vegetation
7				yes 2 - Dominance Test is > 50%
_	70	= Total Cover		yes 3 - Prevalence Index is ≤ 3.0 <sup>1</sup>
Herb Stratum (Plot Size: 5				4 - Morph ological Adaptations (Provide supporting data in Remarks or on a separate sheet)
1. Carex intumescens	60.00	Yes	OBL	
2. Poa palustris	20.00	Yes	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
3. Cirsium arvense	10.00	No	FACU	Indicators of hydrics oil and wetland hydrology must be present, unless disturbed
4. Thalictrum dasycarpum	10.00	No	FAC	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			_	neight (DBH), regai 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.
11.			-	<b>Herb</b> - All herbaeceous (non-woody) plants, regardless of size, and
12.		-	-	woody plants less than 3.28 ft tall.
	100	- Total Cover	-	Woody vines - All woody vines greater than 3.28 ft in height.
20	100	_ = Total Cover		woody vines - All woody vines greater than 3.28 it in height.
Woody Vine Stratum (Plot Size: 30				
1			-	
2		-	-	Hydrop hytic Vege tation
3		-	-	Present? Yes
4		<del>.</del>	-	
	0	_=Total Cover		
Remarks: (in clude photo numbers here or on a separate sheet.	)			

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