WETLAND DETERMINATION DATA FORM - North Central and Northeast Region

oject/Site: I3_mainline City/County: Clearwater			Sampling Date: <u>2017-06-19</u>						
Applicant/Owner: Enbridge	State: Minnesota		Sampling Point: u-146n37w12-c1						
Investigator(s): SMR, TDT Section, Township, Range: S12, T146N, R37W									
Landform (hillslope, terrace, etc.): Rise			Local Relief (concave		Slop 3-7	 oe (%): %			
Subregion (LRR or MLRA):		 Latitude: 4	7.4774048803	Longitude: -95.300637					
Soil Map Unit Name: 40C		Latitude. +	7.4774040003		Classification: N/A				
		f	if an analaia in Dama	-					
Are climatic/hydrologic conditions on the	ne site typicai	for this time of year? (ir no, expiain in Kema	rks):	Yes	<u>'</u>			
Are Vegetation $\underline{\text{No}}$, Soil $\underline{\text{No}}$, or H	ydrology No	_ significantly disturbed	d? Are "Normal Circu	mstances" present? Yes	_				
Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks)									
SUMMARY OF FINDINGS - Attach sit	te map showi	ng sampling point loca	tions, transects, impo	ortant features, etc.					
ydrophytic Vegetation Present?		No Is the Sampled Area		 					
Hydric Soil Present?		No	within a Wetland?		No				
Wetland Hydrology Present?		No	If yes, optional Wetl	and Site ID:					
Remarks: (Explain alternative procedu	res here or in	a separate report.)	1						
UPLAND									
HYDROLOGY									
Wetland Hydrology Indicators:				Secondary Indi	icators (minimum (of two required)			
Primary Indicators (minimum of one is	required; ched	ck all that apply)		Surfa	ce Soil Cracks (B6)				
Surface Water (A1)	Water-Stained Leaves	s (B9)	Draina	Drainage Patterns (B10)					
High Water Table (A2)	_	Aquatic Fauna (B13)		Moss	Moss Trim Lines (B16)				
Saturation (A3)	_	Marl Deposits (B15)		Dry-Se	Dry-Season Water Table (C2)				
Water Marks (B1)	_	Hydrogen Sulfide Odo	or (C1)	Crayfis	Crayfish Burrows (C8)				
Sediment Deposits (B2)	diment Deposits (B2) Oxidized I		zed Rhizospheres on Living Roots (C3)		Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	F Drift Deposits (B3)		Presence of Reduced Iron (C4)		Stunted/Stressed Plants (D1)				
Algal Mat or Crust (B4)	Algal Mat or Crust (B4)		n in Tilled Soils (C6)	Geom	Geomorphic Position (D2)				
Iron Deposits (B5)		Thin Muck Surface (C7)		Shallov	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)		Other (Explain in Remarks)		Microt	Microto pographic Relief (D4)				
Sparsely Vegetated Concave Surface (Ba	8)			FAC-Ne	eutral Test (D5)				
Field Observations:			,						
Surface Water Present?	<u>No</u>	Depth (inches)							
Water Table Present?	No	Depth (inches)							
Saturation Present?	No	Depth (inches)		Wetland Hydrolog	y Present?	<u>No</u>			
(includes capillary fringe)									
Describe Recorded Data (stream gauge	, monitoring v	well, aerial photos, pre	vious inspections), if a	available:					
Remarks:									
UPLAND									
OPLAND									

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot Size: 30)	% Cover	Species?	Status	Number of Dominant Species	
1. Acer saccharum	50.00	Yes	UPL	That Are OBL, FACW, or FAC: 0 (A)	
2. Quercus rubra	20.00	Yes	FACU	Total Number of Dominant	
3. Tilia americana	20.00	Yes	FACU	Species Across All Strata: 5 (B)	
4. Betula papyrifera	10.00	No	FACU	Percent of Dominant Species	
5				That Are OBL, FACW, or FAC: 0 (A/B)	
6.				Prevalence Index worksheet:	
7.				Total % Cover of: Multiply by:	
	100	= Total Cover		OBL species 0.00 x 1 0	
 Sapling/Shrub Stratum (Plot Size: 15)				FACW species 0.00 x 2 0	
1. Corylus cornuta	20.00	Yes	UPL	FACU species 75.00 x 3 300	
2.				UPL species 140.00 x 4 700	
3.				Column Totals 215 (A) 1000 (B)	
4.				Prevalence Index = B/A = 4.6511627	
5				Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegetation	
				no 2 - Dominance Test is > 50%	
7	20	- Total Cover		no 3 - Prevalence Index is $\leq 3.0^{1}$	
	20	= Total Cover			
Herb Stratum (Plot Size: 5 1 Carex woodii	70.00	Yes		4 - Morph ological Adaptations (Provide supporting data in Remarks or on a separate sheet)	
2. Poa pratensis	15.00	No		Problematic Hy drophytic Vegetation ¹ (Explain)	
3. Eurybia macrophylla	5.00	No	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed	
4. Taraxacum officinale	5.00	No	FACU	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. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than or	
8					
9					
10			_	equal to 3.28 ft (1 m) tall.	
11.				Herb - All herbaeceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height.	
12.					
	95	= Total Cover			
Woody Vine Stratum (Plot Size: 30)		•			
1.					
				Hydrop hytic	
2.				Vegetation	
3				Present?	
4	0				
		=Total Cover			
Remarks: (include photo numbers here or on a separate sheet.)					

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