WETLAND DETERMINATION DATA FORM - North Central and Northeast Region

oject/Site: 13_mainline City/County: Clearwater			Sampling Date: <u>2017-06-16</u>					
Applicant/Owner: Enbridge	State: Minnesota		Sampling Point: w-146n36w9-a2					
Investigator(s): SMR, MRG Section, Township, Range: S9, T146N, R36W								
Landform (hillslope, terrace, etc.): Depression		Local Relief (concave, co	onvex.none): CC	Slope (%): 3-7%				
Subregion (LRR or MLRA):	 Latitude: 4		ongitude: -95.25090501 Date					
Soil Map Unit Name: 1272	_		NWI Classificatio					
	nical for this time of year?	lif no evolain in Remarks		Yes				
Are Vegetation No , Soil No , or Hydrology	No significantly disturbe	ed? Are "Normal Circums	tances" 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 sh	owing sampling point loc	ations, transects, importa	ant features, etc.					
Hydrophytic Vegetation Present?	Yes	Is the Sampled Area						
Hydric Soil Present?	Yes	within a Wetland?	Yes	_				
Wetland Hydrology Present?	Yes	If yes, optional Wetland	d Site ID: w-14	l6 n36w9-a				
Remarks: (Explain alternative procedures here of	п пта зерагасе геротс.							
HYDROLOGY								
Wetland Hydrology Indicators:			Secondary Indicators (mir	nimum of two required)				
 Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil Cracks	(B6)				
Surface Water (A1) Water-Stained Leaves (B9)		es (B9)	Drainage Patterns (B10)					
no High Water Table (A2)	Aquatic Fauna (B13)		no Moss Trim Lines (B16)					
no Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)					
Sediment Deposits (B2)	yes Oxidized Rhizospheres on Living Roots (C3)		Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted/Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)		<u>yes</u> Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7)	7) Other (Explain in Remarks)		Microto pograp hic Relief (D4)					
Sparsely Vegetated Concave Surface (B8)			yes FAC-Neutral Test (D	5)				
Field Observations:								
Surface Water Present? <u>No</u>	_ Depth (inches	s)						
Water Table Present? <u>No</u>	_ Depth (inches	s)						
Saturation Present? <u>No</u>	_ Depth (inches	s)	Wetland Hydrology Present?	Yes				
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, pre	evious inspections), if avai	ilable:					
Remarks:								

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot Size: 30)	% Cover	Species?	Status	Num ber of Do minant Species	
1				That Are OBL, FACW, or FAC: 3 (A)	
2.				Total Number of Dominant	
3				Species Across All Strata: 3 (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:	
	0	_ = Total Cover		OBL species 90.00 x 1 90	
Sapling/Shrub Stratum (Plot Size: 15)				FACW species 100.00 x 2 200	
1. Salix petiolaris	90.00	Yes	OBL	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>190</u> (A) <u>290</u> (B)	
4				Prevalence Index = B/A = <u>1.5263157</u>	
5				Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegetation	
7				yes 2 - Dominance Test is > 50%	
	90	= Total Cover		yes 3 - Prevalence Index is ≤ 3.0 ¹	
Herb Stratum (Plot Size: 5		-		4 - Morphological Adaptations (Provide	
1. Phalaris arundinacea	60.00	Yes	FACW	supporting data in Remarks or on a separate sheet)	
2. Carex vulpinoidea	40.00	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)	
<u>'</u>	40.00	103	1ACW	roblemate ny drophytic vegetation (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 (DB H), regardless of height.	
8					
9				Sapling/Shrub - Woody plants less than 3 in. DBH and greater than or	
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.		_			
	100	= Total Cover	-, -		
Manda Vina Cambura (Dina Cina 30		_ = Total Cover		woody vines - All woody vines greater trial 3.20 it in freight.	
Woody Vine Stratum (Plot Size: 30					
1		_			
2		_		Hydrophytic Vegetation	
3		_	-	Present? Yes	
4					
	0	_=Total Cover			
Remarks: (include photo numbers here or on a separate sheet.)				

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