WETLAND DETERMINATION DATA FORM - North Central and Northeast Region

Project/Site: I3_mainline	oject/Site: I3_mainline City/County: Clearwater				Sampling Date: 2017-06-13			
Applicant/Owner: Enbridge			State: Minnesota	Sampling Point: u-145n36w2-h1				
Investigator(s): DPT, MRG								
Landform (hillslope, terrace, etc.): Side	Slope		Local Relief (concave		Slope (%): 3-7%			
Subregion (LRR or MLRA):	. 0.000	latitude: 4	7.4030284397	Longitude: -95.22081306				
Soil Map Unit Name: 1272C		Latitude. 4	7.4030204337	NWI Classific				
•			if a constain in Dema	_				
Are climatic/hydrologic conditions on	the site typica	ii for this time of year? (if no, expiain in Kema	irks):	Yes			
Are Vegetation No , Soil No , or I	Hydrology No	significantly disturbe	d? Are "Normal Circu	ımstances" present? Yes				
Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks)								
SUMMARY OF FINDINGS - Attach s	ite map show	ring sampling point loca	tions, transects, impo	ortant features, etc.				
Hydrophytic Vegetation Present?		No	Is the Sampled Area	1				
Hydric Soil Present?		No	within a Wetland?	1	lo			
Wetland Hydrology Present?		No	If yes, optional Wetl	land Site ID:				
Remarks: (Explain alternative procedu	ires here or in	a separate report.)	•					
HYDROLOGY								
Wetland Hydrology Indicators:				Secondary Indicators	(minimum of two required)			
Primary Indicators (minimum of one is	required che	ack all that annly)						
				Surface Soil Cracks (B6) Drainage Patterns (B10)				
Surface Water (A1) High Water Table (A2)	-	Water-Stained Leaves	S (B9)		Moss Trim Lines (B16)			
Saturation (A3)	-	Aquatic Fauna (B13) Marl Deposits (B15)		Dry-Season Water Table (C2)				
Water Marks (B1)	-	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)				
	Sediment Deposits (B2)		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)			Geomorphic Position (D2)			
Iron Deposits (B5)		Thin Muck Surface (C7)			Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7)		Other (Explain in Remarks)			Microto pographic Relief (D4)			
Sparsely Vegetated Concave Surface (B8)				FAC-Neutral Test (D5)				
Field Observations:	,				,			
Surface Water Present?	No	Depth (inches))					
Water Table Present?	No	Depth (inches)						
Saturation Present?	No	Depth (inches)		Wetland Hydrology Prese	ent? No			
(includes capillary fringe)				, ,				
Describe Recorded Data (stream gaug	e. monitoring	well, aerial photos, pre	vious inspections), if a					
, ,	, ,	, , , , , ,	, ,,					
Do manufacture.								
Remarks:								

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot Size: 30)	% Cover	Species?	Status	Number of Dominant Species	
1				That Are OBL, FACW, or FAC: 0 (A)	
2.				Total Number of Dominant	
3				Species Across All Strata: 3 (B)	
4.				Percent of Dominant Species	
5		_	_	That Are OBL, FACW, or FAC: 0 (A/B)	
6.			_	Prevalence Index worksheet:	
			_	-	
7	0	Tabal Carra			
Continue (Charle Charles (Dist Charle 15	0	_ = 10ta1Cover		OBL species 0.00 x 1 0 FACW species 0.00 x 2 0	
Sapling/Shrub Stratum (Plot Size: 15					
1		<u> </u>	_	FACU species <u>65.00</u> x 3 <u>260</u>	
2		_		UPL species <u>20.00</u> x 4 <u>100</u>	
3				Column Totals $\frac{100}{}$ (A) $\frac{405}{}$ (B)	
4		_		Prevalence Index = B/A = 4.05	
5		_		Hydrophytic Vegetation Indicators:	
6				1 - Rapid Test for Hydrophytic Vegetation	
7			_	no 2 - Dominance Test is > 50%	
	0	_ = Total Cover		no 3 - Prevalence Index is $\leq 3.0^1$	
Herb Stratum (Plot Size: 5				4 - Morphological Adaptations (Provide	
1. Poa pratensis	30.00	Yes	FACU	supporting data in Remarks or on a separate sheet)	
2. Medicago sativa	20.00	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
3. Phleum pratense	20.00	Yes	FACU		
4. Plantago major	15.00	No	FAC		
5. Taraxacum officinale	10.00	No	FACU	Definitions of Vegetation Strata:	
6. Achillea millefolium	5.00	No No	FACU		
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		_	_	- Harb All barbaras and care and a barbaras are all as a faire and	
11				Herb - All herbaeceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
12					
	100	_ = 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? No	
4.					
<u> </u>	0	=Total Cover	_	1	
Remarks: (include photo numbers here or on a separate sheet	1				
Terraines (include prioto nambers here of on a separate sheet	.,				

<

<