## WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: RSA 22		Ci	ity/County:	St. Louis		Samplin	g Date: 08-Sep-17
Applicant/Owner: Enbridge				State: MN	Sa	mpling Point:	w-51n21w22-a1
Investigator(s): DPT			Section, To	ownship, Range:	<b>S.</b> 22	<b>T.</b> 51N	<b>R.</b> 21W
Landform (hillslope, terrace, etc.):	Lowland	Lc	ocal relief (co	oncave, convex, n	one): COI	ncave	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR	(	<b>Lat.:</b> 46	5 53.2821	Long	92 58	.4851	Datum: NAD 83
Soil Map Unit Name: B107A					NWI	classification:	N/A
Are climatic/hydrologic conditions	on the site ty	pical for this time of year	r? Ye	s • No O	(If no, ex	plain in Remarks	s.)
Are Vegetation, Soil	, or Hydrol	ogy significantly	disturbed?	Are "Normal	Circumsta	nces" present?	Yes ● No ○
Are Vegetation, Soil	, or Hydrol	ogy naturally pro	blematic?			y answers in Ren	narks.)
Summary of Findings - A	ttach site	map showing sa	mpling p				•
Hydrophytic Vegetation Present?	Yes	No O					
Hydric Soil Present?	Yes 💿	No O		Sampled Area n a Wetland?	Yes	No $\bigcirc$	
Wetland Hydrology Present?	Yes 💿	No O					
Remarks: (Explain alternative pro	ocedures here	e or in a separate report.	)				
Hydrology							
Wetland Hydrology Indicators:					C-sendary	! :-!:tors (minim	-f 2 irod)
Primary Indicators (minimum of o	one required:	check all that apply)				Indicators (minim ce Soil Cracks (B6)	um of 2 requirea)
Surface Water (A1)	710 1042	Water-Stained Leaves	s (B9)			age Patterns (B10)	
✓ High Water Table (A2)		Aquatic Fauna (B13)	,		_	Trim Lines (B16)	
Saturation (A3)		Marl Deposits (B15)			Dry Se	eason Water Table	(C2)
Water Marks (B1)		Hydrogen Sulfide Odd				sh Burrows (C8)	
Sediment Deposits (B2)		Oxidized Rhizosphere		Roots (C3)		ation Visible on Aer	0 3 . ,
Drift deposits (B3)		Presence of Reduced	, ,			ed or Stressed Plan	, ,
Algal Mat or Crust (B4)  Iron Deposits (B5)		Recent Iron Reductio		s (C6)		orphic Position (D2	2)
Inundation Visible on Aerial Image	erv (B7)	☐ Thin Muck Surface (C	•			w Aquitard (D3) topographic Relief	(D4)
Sparsely Vegetated Concave Surfa	•	Other (Explain in Ren	narks)			eutral Test (D5)	(04)
						. ,	
Field Observations: Surface Water Present?  Yes	● No ○	Depth (inches):	3				
Water Table Present? Yes		Depth (inches):					
Saturation Present? (includes capillary fringe)		Depth (inches):	0	Wetland Hydr	ology Pres	sent? Yes	No O
Describe Recorded Data (stream of	jauge, monito	oring well, aerial photos,	previous ins	pections), if avail	able:		
Remarks:							
Troma. No.							

## **VEGETATION - Use scientific names of plants**

vederation - ose scientific fiames of pic	Sampling Point: w-51n21w22-a1						
(0)	Absolute	Dominant	Indicator	Dominance Test worksheet:			
Tree Stratum (Plot size: 30 )	% Cover	Species?	Status	Number of Dominant Species			
1	0			That are OBL, FACW, or FAC:1 (A)			
2	0			Total Number of Deminent			
3	0			Total Number of Dominant Species Across All Strata:1 (B)			
4	0						
5				Percent of dominant Species			
6				That Are OBL, FACW, or FAC: 100.0% (A/B)			
7				Prevalence Index worksheet:			
		= Total Cove	r	Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15 )				0BL speci es 10 x 1 = 10			
1	0			FACW species 90 x 2 = 180			
2	0			FAC species x 3 =			
3				<u> </u>			
4				FACU species $0 \times 4 = 0$			
5	0			UPL species $0 \times 5 = 0$			
6.				Column Total s: 100 (A) 190 (B)			
7				Prevalence Index = B/A = 1.900			
		= Total Cove					
Herb Stratum (Plot size: 5				Hydrophytic Vegetation Indicators:  Rapid Test for Hydrophytic Vegetation			
1 Phalaris arundinacea	90	<b>✓</b>	FACW				
2. Typha x glauca	10		OBL	✓ Dominance Test is > 50%			
3				<b>V</b> Prevalence Index is ≤3.0 <sup>1</sup>			
4				Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
5				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
6				Problematic hydrophytic vegetation - (Explain)			
7				<sup>1</sup> Indicators of hydric soil and wetland hydrology must			
				be present, unless disturbed or problematic.			
8				Definitions of Vegetation Strata:			
9				_			
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter			
11				at breast height (DBH), regardless of height.			
12	-			Sapling/shrub - Woody plants less than 3 in. DBH and			
Woody Vine Stratum (Plot size: 30 )	100 =	= Total Cove	r	greater than 3.28 ft (1m) tall			
1	0			Herb - All herbaceous (non-woody) plants, regardless of			
_				size, and woody plants less than 3.28 ft tall.			
3				Woody vine - All woody vines greater than 3.28 ft in height.			
4				neignt.			
	=	= Total Cove	r				
				Hydrophytic			
				Vegetation			
				Present? Yes No			
Remarks: (Include photo numbers here or on a separate sl	neet.)						

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: w-51n21w22-a1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix		Redox Features							
(inches)	Color (moist)	<u></u> %	Color (moist)	<u> </u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Rem	narks	
			-							
							-			
							-			
<sup>1</sup> Type: C=Cond	entration. D=Depletion	. RM=Reduc	ed Matrix, CS=Covere	d or Coated S	Sand Gra	ins <sup>2</sup> Loca	tion: PL=Pore Lining. M=Ma	atrix		
<sup>1</sup> Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains <sup>2</sup> Location: PL=Pore Lining. M=Matrix  Hydric Soil Indicators:  Indicators for Problematic Hydric Soils: <sup>3</sup>										
Histosol (A			Polyvalue Belov	v Surface (S8	) (LRR R,					
Histic Epip			MLRA 149B)	•	, ,		2 cm Muck (A10) (			
☐ Black Histi			Thin Dark Surfa	ice (S9) (LRF	R R, MLRA	A 149B)	Coast Prairie Redox			
	Sulfide (A4)		Loamy Mucky N		RR K, L)		5 cm Mucky Peat o  Dark Surface (S7)		RR K, L, R)	
Stratified I	ayers (A5)		Loamy Gleyed I						ו א סכ	
Depleted I	Below Dark Surface (A1	1)	Depleted Matrix				Polyvalue Below Surface (S8) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)			
☐ Thick Dark	Surface (A12)		Redox Dark Sur							
Sandy Mu	ck Mineral (S1)		Depleted Dark				☐ Iron-Manganese Masses (F12) (LRR K, L, R) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)			
Sandy Gle	yed Matrix (S4)		Redox Depressi	ions (F8)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
☐ Sandy Red	lox (S5)						Red Parent Materia		, 143, 1470)	
Stripped M	latrix (S6)						Very Shallow Dark Surface (TF12)			
☐ Dark Surfa	ice (S7) (LRR R, MLRA	149B)					✓ Other (Explain in R		-)	
<sup>3</sup> Indicators of	hydrophytic vegetation	and wetland	l hydrology must be n	resent unles	s disturbe	ed or proble		omanto,		
		and Wottane	ya.ology mast 20 p		o diotal b	ou or propre				
	yer (if observed):									
Type:							Hydric Soil Present?	Yes	No O	
Depth (inch	nes):						.,	103 ©	110 =	
Remarks:										
No digging, p	otential buried utilitie	es. Soils as	sumed hydric base	ed on vegeta	ation and	d hydrolog	gy.			