## WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: RSA 22	City/County: St. Louis	Sampling Date: 12-Sep-17	
Applicant/Owner: Enbridge	State:	: MN Sampling Point: u-51n20w34-b1	
Investigator(s): PJK	Section, Township, Ran	nge: S. 34 T. 51N R. 20W	
Landform (hillslope, terrace, etc.): Mound	Local relief (concave, conv	· — — — —	2.0
Subregion (LRR or MLRA): LRR K La		<b>Long.:</b> -92 51.0038 <b>Datum:</b> NAD 83	3
Soil Map Unit Name: B127B		NWI classification: N/A	
Are climatic/hydrologic conditions on the site typical for this time	of vear? Yes   No	(If no, explain in Remarks.)	
	,	ormal Circumstances" present? Yes No	
		ded, explain any answers in Remarks.)	
Summary of Findings - Attach site map showin	•	, , , ,	tc
Hydrophytic Vegetation Present? Yes No •		, , , , , , , , , , , , , , , , , , , ,	
Hydric Soil Present? Yes No •	Is the Sampled Are		
Wetland Hydrology Present? Yes No •	within a Wetland?	y les o NO o	
Remarks: (Explain alternative procedures here or in a separate r	·omant \		
Hydrology Wetland Hydrology Indicators:		Secondary Indicators (minimum of 2 required)	
Primary Indicators (minimum of one required; check all that app	oly)	Surface Soil Cracks (B6)	
Surface Water (A1) Water-Stained	Leaves (B9)	Drainage Patterns (B10)	
High Water Table (A2) Aquatic Fauna	ı (B13)	Moss Trim Lines (B16)	
Saturation (A3)		Dry Season Water Table (C2)	
Water Marks (B1) Hydrogen Sulf		Crayfish Burrows (C8)	
	ospheres along Living Roots (C3)	Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)	
	educed Iron (C4) eduction in Tilled Soils (C6)	Geomorphic Position (D2)	
☐ Iron Deposits (B5) ☐ Thin Muck Sur		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)  Other (Explain	• •	Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B8)		FAC-neutral Test (D5)	
Field Observations:			
·	es):0		
Water Table Present? Yes No Depth (inche	es):0	v	
Saturation Present? Yes No Depth (inche includes capillary fringe)		Hydrology Present? Yes No •	
Describe Recorded Data (stream gauge, monitoring well, aerial pl	hotos, previous inspections), if	available:	
Remarks:			

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

vegeration - ose scientific fiames of pr	Sampling Point: u-51n20w34-b1			
(0) - 20	Absolute	Dominant Species?	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			T. I.N. J. CD. J. J.
3	0			Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of dominant Species
6		$\Box$		That Are OBL, FACW, or FAC: 50.0% (A/B)
				Prevalence Index worksheet:
7				
Sapling/Shrub Stratum (Plot size: 15 )		= Total Cove	r	Total % Cover of: Multiply by:
1	0			0BL speci es x 1 =0
2				FACW species $\underline{20}$ x 2 = $\underline{40}$
				FAC speciles x 3 =0
3			-	FACU species 80 x 4 = 320
4				UPL speci es $0 \times 5 = 0$
5				·
6				Col umn Total s:100 (A)360 (B)
7	0			Prevalence Index = B/A = 3.600
	0 =	= Total Cove	r	Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5				Rapid Test for Hydrophytic Vegetation
1. Taraxacum officinale	60	✓	FACU	Dominance Test is > 50%
2. Phalaris arundinacea	20	<b>✓</b>	FACW	
3. Plantago major	10		FACU	☐ Prevalence Index is ≤3.0 ¹
4. Phieum pratense			FACU	Morphological Adaptations <sup>1</sup> (Provide supporting
5				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9	0			Definitions of Vegetation Strata.
0	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
1	0			at breast height (DBH), regardless of height.
2				Capling/abruh Wasdy plants loss than 2 in DDI and
	100 =	= Total Cove	r	Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30				groater than 6.25 it (iiii) taiii.
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0		-	Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
т.,	0 =	= Total Cove		lg
		- Total Cove	ı	
				Underwhite
				Hydrophytic Vegetation
				Present? Yes No   No
Remarks: (Include photo numbers here or on a separate s	heet \			
Activities (Thorage Photo humbers here of on a separate s	iiceti <i>j</i>			

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

Soil Sampling Point: u-51n20w34-b1

Depth		Matrix			edox Features		_	
(inches)	Color	(moist)	%	Color (moist)	%Тур	e 1 Loc²	Texture	Remarks
0-10	10YR	3/4	100				Sandy Loam	
							-	
	-							
							<u> </u>	
	-		-			-		
		-						
	-	-						
1 Type: C=Cor	ncentration [	) – Denletin	n RM-Redi	iced Matrix CS=Cove	ered or Coated San	d Grains 21 oc	ation: PL=Pore Lining. M=N	
			II. KWI–Keu	ded Matrix, C3-COV	ered or coated Sam	d Orallis Loc		
Hydric Soil				□ <b>5</b>		DD D	Indicators for Probl	ematic Hydric Soils: 3
Histosol				☐ Polyvalue Be MLRA 149B)	low Surface (S8) (L	RR R,	2 cm Muck (A10)	(LRR K, L, MLRA 149B)
	ipedon (A2)				rface (S9) (LRR R,	MI DA 140R)	Coast Prairie Redo	ox (A16) (LRR K, L, R)
Black His					y Mineral (F1) LRR		5 cm Mucky Peat	or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	)				K, L)	Dark Surface (S7)	(LRR K, L, M)
	Layers (A5)			Loamy Gleye				Surface (S8) (LRR K, L)
Depleted	Below Dark	Surface (A	11)	Depleted Ma			Thin Dark Surface	
☐ Thick Da	rk Surface (A	12)		Redox Dark S				Masses (F12) (LRR K, L, R)
Sandy M	uck Mineral (	S1)			k Surface (F7)			ain Soils (F19) (MLRA 149B)
Sandy GI	eyed Matrix (	(S4)		Redox Depre	ssions (F8)			6) (MLRA 144A, 145, 149B)
Sandy Re	edox (S5)						Red Parent Materi	
	Matrix (S6)							
	face (S7) (LR	R R. MI RA	149B)				☐ Very Shallow Dark	
							Other (Explain in	Remarks)
<sup>3</sup> Indicators o	of hydrophytic	c vegetatio	n and wetla	nd hydrology must be	e present, unless di	sturbed or prob	lematic.	
Restrictive I	ayer (if obs	served):						
Type: _r	ock							
Depth (inc							Hydric Soil Present?	Yes 🔾 No 💿
Remarks:								
Remarks:								