## WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: RSA 22	City/County: St. Louis	Sampling Date: 11-Sep-17
Applicant/Owner: Enbridge	State: MN	Sampling Point: u-51n20w21-c1
Investigator(s): PJK	Section, Township, Range: S. 2	1 <b>T.</b> 51N <b>R.</b> 20W
Landform (hillslope, terrace, etc.): Mound	Local relief (concave, convex, none):	
Subregion (LRR or MLRA): LRR K	Lat.: 46 52.9360 Long.: -9	92 52.6350 <b>Datum:</b> NAD 83
Soil Map Unit Name: B127B		NWI classification: N/A
Are climatic/hydrologic conditions on the site typica	al for this time of year? Yes  No (If n	o, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	——————————————————————————————————————	ımstances" present? Yes ● No ○
Are Vegetation , Soil , or Hydrology		
_ , _ ,	ap showing sampling point locations, to	in any answers in Remarks.) ransects, important features, etc
<u> </u>	, <b>⊙</b>	
	Is the Sampled Area	s ○ No ●
Yes O Ne	within a Wetland?	S - 140 -
Remarks: (Explain alternative procedures here or		
Hydrology  Wetland Hydrology Indicators:	Seco	ondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; che		Surface Soil Cracks (B6)
Surface Water (A1)		Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)		Dry Season Water Table (C2)
Water Marks (B1)		Crayfish Burrows (C8)
Sediment Deposits (B2)		Saturation Visible on Aerial Imagery (C9)
Drift deposits (B3) Algal Mat or Crust (B4)		Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Iron Deposits (B5)	` ′	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	- Other (Explain in Kemarks)	FAC-neutral Test (D5)
Field Observations:		
Surface Water Present? Yes No •	Depth (inches):	
Water Table Present? Yes No •	Depth (inches): 0	
Saturation Present? (includes capillary fringe) Yes No •	Depth (inches): 0 Wetland Hydrology	y Present? Yes O No •
	g well, aerial photos, previous inspections), if available:	
Remarks:		

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

VEGETATION - OSE SCIENCIFIC Harries of pic	Sampling Point: u-51n20w21-c1			
(0)	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			TAIN A CONTRACT
3	0			Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of dominant Species
6				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
				FACW species
2				FAC speci es x 3 = 0
3				FACU species $0 \times 4 = 0$
4				UPL species $\frac{40}{100}$ x 5 = $\frac{200}{100}$
5				· ·
6	0			Col umn Total s: <u>110</u> (A) <u>340</u> (B)
7	0			Prevalence Index = B/A = 3.091
(Plot size: 5	0 =	= Total Cove	r	Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5	-			Rapid Test for Hydrophytic Vegetation
1 Solidago gigantea	70	<b>✓</b>	FACW	
2. Fragaria vesca	10		UPL	Dominance Test is > 50%
3. Carex pensylvanica		<b>✓</b>	UPL	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				1 Indicators of hydric soil and wetland hydrology must
7				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9	0			Definitions of Vegetation Strata:
0	0			Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
1				at breast height (DBH), regardless of height.
2				
	-	= Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30		- rotar cove	•	greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3				
				Woody vine - All woody vines greater than 3.28 ft in
4			-	height.
		= Total Cove	r	
				Hydrophytic
				Vegetation   Yes ○ No ●
				1
Remarks: (Include photo numbers here or on a separate sh	neet.)			

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

Soil Sampling Point: u-51n20w21-c1

Profile Desci Depth	iption: (De	escribe to Matrix	ıne aepth		the indicator or co dox Features	nrirm the	absence of indicators.)	
(inches)	Color	(moist)	%	Color (moist)	<u>%</u> Type 1	Loc2	Texture	Remarks
0-12	10YR	3/3	100				Loamy Sand	
							-	
							-	
	-	-			-			
	-							
	-	-						
<sup>1</sup> Type: C=Con	centration. [	D=Depletio	n. RM=Red	uced Matrix, CS=Covere	ed or Coated Sand Gra	ins <sup>2</sup> Loca	ation: PL=Pore Lining. M=M	atrix
Hydric Soil	Indicators:						Indicators for Proble	ematic Hydric Soils: 3
Histosol (	A1)			Polyvalue Belov	w Surface (S8) (LRR R	,		LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)			MLRA 149B)				x (A16) (LRR K, L, R)
Black His	tic (A3)			Thin Dark Surfa	ace (S9) (LRR R, MLR	A 149B)		
Hydroger	Sulfide (A4)	)			Mineral (F1) LRR K, L)			or Peat (S3) (LRR K, L, R)
	Layers (A5)			Loamy Gleyed	Matrix (F2)		Dark Surface (S7)	
	Below Dark		11)	Depleted Matrix	x (F3)			urface (S8) (LRR K, L)
_	k Surface (A		•	Redox Dark Su	rface (F6)		Thin Dark Surface	
	ıck Mineral (			Depleted Dark	Surface (F7)			asses (F12) (LRR K, L, R)
	eyed Matrix			Redox Depress	ions (F8)			in Soils (F19) (MLRA 149B)
Sandy Re		(01)						) (MLRA 144A, 145, 149B)
	Matrix (S6)						Red Parent Materia	
	ace (S7) (LR	DD D MIDA	1/OP)					
							Other (Explain in R	lemarks)
<sup>3</sup> Indicators o	f hydrophyti	c vegetatio	n and wetla	nd hydrology must be p	resent, unless disturb	ed or probl	ematic.	
Restrictive L	ayer (if ob	served):						
Type: <u>ro</u>	ock							
Depth (inc	hes):_12						Hydric Soil Present?	Yes O No 💿
Remarks:	-							
Kemarks.								
ı								