WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: RSA 22		City/County: St. Louis	Sampli	ng Date: 11-Sep-17
Applicant/Owner: Enbridge		State:	MN Sampling Point:	w-51n20w20-a2
Investigator(s): PJK		Section, Township, Rang	e: S. 20 T. 51N	R. 20W
Landform (hillslope, terrace, etc.): Lo	owland	Local relief (concave, conve		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K	Lat.:	46 52.9006 L	ong.: -92 54.4374	Datum: NAD 83
Soil Map Unit Name: B102A			NWI classification:	PSSBg
Are climatic/hydrologic conditions on t	the site typical for this time of y	rear? Yes No	(If no, explain in Remark	
			nal Circumstances" present?	Yes ● No ○
	, , , _	•	d, explain any answers in Re	marks.)
Summary of Findings - Atta		•		•
Hydrophytic Vegetation Present?	Yes No		-	
	Yes ● No ○	Is the Sampled Area within a Wetland?	Yes No	
_ ·	Yes No	Willilli a Welland:	100 - 1.0	
Remarks: (Explain alternative proced		n+)		
Hydrology				
Wetland Hydrology Indicators:			Secondary Indicators (minir	
Primary Indicators (minimum of one Surface Water (A1)		(00)	Surface Soil Cracks (B6	
✓ High Water Table (A2)	Water-Stained Lea☐ Aquatic Fauna (B1	, ,	☐ Drainage Patterns (B10☐ Moss Trim Lines (B16))
Saturation (A3)	Marl Deposits (B15		Dry Season Water Table	e (C2)
☐ Water Marks (B1)	Hydrogen Sulfide (Crayfish Burrows (C8)	, ,
Sediment Deposits (B2)		eres along Living Roots (C3)	Saturation Visible on A	erial Imagery (C9)
Drift deposits (B3)	Presence of Reduc	, ,	Stunted or Stressed Pla	• •
Algal Mat or Crust (B4)		ction in Tilled Soils (C6)	Geomorphic Position (D	2)
Iron Deposits (B5)	Thin Muck Surface	` ,	Shallow Aquitard (D3)	. (5.1)
Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface (Utilei (Explain in i	Remarks)	✓ Microtopographic Relief✓ FAC-neutral Test (D5)	(D4)
Sparsery regetated conserve surraces (<u></u>		FAC-Heutidi Test (Do)	
Field Observations: Surface Water Present? Yes	No Depth (inches):	Л		
		Wetland H	ydrology Present? Yes	No
(includes capillary fringe) Yes	No Depth (inches):	0		
Describe Recorded Data (stream gauç	ge, monitoring well, aerial photo	os, previous inspections), it a	vailable:	
_ ,				
Remarks:				

VEGETATION - Use scientific names of plants

(5)	Absolute		Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Number of Dominant Species	
1	0			That are OBL, FACW, or FAC: (A)	
2	0			T. LIN J. CD. C. L.	
3				Total Number of Dominant Species Across All Strata: 2 (B)	
4				(=,	
5				Percent of dominant Species	
6				That Are OBL, FACW, or FAC: 100.0% (A/B)	
7				Prevalence Index worksheet:	
Sapling/Shrub Stratum (Plot size: 15)		= Total Cover	•	Total % Cover of: Multiply by:	
1. Alnus Incana	90	✓	FACW	0BL speci es <u>70</u> x 1 = <u>70</u>	
2				FACW species <u>110</u> x 2 = <u>220</u>	
3				FAC speci es x 3 =	
				FACU species x 4 =0	
4				UPL speci es $0 \times 5 = 0$	
5				Column Totals: <u>180</u> (A) <u>290</u> (B)	
6					
7	0			Prevalence Index = B/A = <u>1.611</u>	
Herb Stratum (Plot size: 5)	90 =	= Total Cover		Hydrophytic Vegetation Indicators:	
		_		✓ Rapid Test for Hydrophytic Vegetation	
1. Carex lacustris	70	✓	OBL	✓ Dominance Test is > 50%	
2. Symphyotrichum novae-angliae	10		FACW	✓ Prevalence Index is ≤3.0 ¹	
3. Phalaris arundinacea	10		FACW		
4	0			Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5				Problematic Hydrophytic Vegetation ¹ (Explain)	
6					
7				¹ 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	90 =	= Total Cover	•	greater than 3.28 ft (1m) tall	
	0			Llowh All hawbassaya (non woody) plants was avidless of	
1				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
2				oles, and nood, planto loss than oles it tall	
3	0			Woody vine - All woody vines greater than 3.28 ft in	
4				height.	
	0 =	= Total Cover			
				Hydrophytic	
				Vegetation Present? Yes No	
Boundary (To deal or the transfer of the trans	>				
Remarks: (Include photo numbers here or on a separate she	et.)				

Sampling Point: w-51n20w20-a2

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: w-51n20w20-a2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth	Mat			lox Featu			_		
(inches)	Color (mois	t) %	Color (moist)	%	Type ¹	Loc2	Texture	Remarks	
0-24	10YR 2	/2 100					Peat		
				-			-		
				-			-		
				-					
		-				-			
						-			
		oletion. RM=Re	duced Matrix, CS=Covere	d or Coate	d Sand Gra	ains ² Loca	ation: PL=Pore Lining. M=M	atrix	
Hydric Soil I	ndicators:		_				Indicators for Proble	ematic Hydric Soils: 3	
✓ Histosol (A			Polyvalue Belov	v Surface (S8) (LRR R	.,		(LRR K, L, MLRA 149B)	
Histic Epip	oedon (A2)		MLRA 149B)	(00)	DD 5 :::-	A 4 (25)		x (A16) (LRR K, L, R)	
Black Histi	ic (A3)		☐ Thin Dark Surfa					or Peat (S3) (LRR K, L, R)	
Hydrogen	Sulfide (A4)		Loamy Mucky N		LRR K, L)		Dark Surface (S7)		
Stratified I	Layers (A5)		Loamy Gleyed I					urface (S8) (LRR K, L)	
Depleted I	Below Dark Surfac	ce (A11)	Depleted Matrix				Thin Dark Surface		
Thick Dark	k Surface (A12)		Redox Dark Sur					lasses (F12) (LRR K, L, R)	
Sandy Mu	ck Mineral (S1)		Depleted Dark		')			in Soils (F19) (MLRA 149B)	
Sandy Gle	yed Matrix (S4)		Redox Depressi	ions (F8)) (MLRA 144A, 145, 149B)	
Sandy Red	dox (S5)						Red Parent Materia		
Stripped N	Matrix (S6)						Very Shallow Dark		
☐ Dark Surfa	ace (S7) (LRR R, N	/ILRA 149B)					Other (Explain in R		
³ Indicators of	hvdrophytic veae	tation and wet	and hydrology must be p	resent. unle	ess disturb	ed or proble		,	
	ayer (if observe		<u>, , , , , , , , , , , , , , , , , , , </u>						
	ayer (it observe	a):							
Type:							Hydric Soil Present?	Yes ● No ○	
Depth (inch	nes):						,	105 0 110 0	
Remarks:									
ı									
ı									
1									