WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: RSA 22	City/County: St. Louis	Samplir	Date: 13-Sep-17
Applicant/Owner: Enbridge	State:	MN Sampling Point:	w-50n20w2-a1
Investigator(s): SMR	Section, Township, Ran	ge: S. 2 T. 50N	R. 20W
Landform (hillslope, terrace, etc.): Lowland	Local relief (concave, conve		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR K Lat.:	- 46 51.1076 I	-ong.: -92 50.0915	Datum: NAD 83
Soil Map Unit Name: B124A		NWI classification:	N/A
Are climatic/hydrologic conditions on the site typical for this time of	year? Yes No	(If no, explain in Remark	s.)
	,	mal Circumstances" present?	Yes ● No ○
		ed, explain any answers in Re	
Summary of Findings - Attach site map showing	•		•
Hydrophytic Vegetation Present? Yes No		• • •	•
Hydric Soil Present? Yes No	Is the Sampled Are within a Wetland?	Yes No	
Wetland Hydrology Present?	Willing a wedand:	100 - 110 -	
Remarks: (Explain alternative procedures here or in a separate rep	ort.)		
Hydrology			
Wetland Hydrology Indicators:		Secondary Indicators (minim	num of 2 required)
Primary Indicators (minimum of one required; check all that apply)	<u> </u>	Surface Soil Cracks (B6)	
Surface Water (A1) Water-Stained Le	, ,	Drainage Patterns (B10)	
High Water Table (A2) Aquatic Fauna (B		Moss Trim Lines (B16)	(2.5)
☐ Saturation (A3) ☐ Marl Deposits (B' ☐ Water Marks (B1) ☐ Hydrogen Sulfide		Dry Season Water Table	e (C2)
I nyaregen eamas	e Odor (C1) wheres along Living Roots (C3)	Crayfish Burrows (C8) Saturation Visible on Ae	rial Imanery (C9)
☐ Drift deposits (B3) ☐ Presence of Redu		Stunted or Stressed Plan	
	uction in Tilled Soils (C6)	Geomorphic Position (D	• •
☐ Iron Deposits (B5) ☐ Thin Muck Surfac	• •	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in	Remarks)	Microtopographic Relief	(D4)
Sparsely Vegetated Concave Surface (B8)		FAC-neutral Test (D5)	
Field Observations:			
Surface Water Present? Yes No Depth (inches):	:0		
Water Table Present? Yes No Depth (inches):	:0	v (.
Saturation Present? (includes capillary fringe) Yes No Depth (inches):		Hydrology Present? Yes	● No ○
Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspections), if a	available:	
Remarks:			

VEGETATION - Use scientific names of plants

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(Dist. size. 20	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Number of Dominant Species
1				That are OBL, FACW, or FAC:6 (A)
2	0			Total Number of Dominant
3	0			Species Across All Strata:6 (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		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)		- 1000 0010	•	0BL species x 1 =
1. Alnus incana	50	✓	FACW	FACW species 130 x 2 = 260
2. Salix petiolaris	20	✓	FACW	
3. Salix bebbiana	30	✓	FACW	FAC species $0 \times 3 = 0$
4	-			FACU species $0 \times 4 = 0$
5				UPL speci es $0 \times 5 = 0$
6				Column Totals:200 (A)330 (B)
				Dravalance Inday D/A 1 /50
7		= Total Cove		Prevalence Index = B/A = 1.650
Herb Stratum (Plot size: 5	100=	= Total Cove	Г	Hydrophytic Vegetation Indicators:
	10		FACW	Rapid Test for Hydrophytic Vegetation
0. 0		✓	OBL	✓ Dominance Test is > 50%
		✓		✓ Prevalence Index is ≤3.0 ¹
3. Symphyotrichum novae-angliae		✓	FACW	Morphological Adaptations ¹ (Provide supporting
4. Calamagrostis canadensis			OBL	data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				1
7	0			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 greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30				greater than 5.25 it (iiii) tall
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.
	0 =	= Total Cove		
			•	
				Hydrophytic
				Vegetation
				Present? Yes No V
Remarks: (Include photo numbers here or on a separate s	heet.)			

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

Soil Sampling Point: w-50n20w2-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)	%_	Color	(moist)	%_	Type 1	Loc ²	Texture		Ren	marks	
0-6	10YR	3/2	100						Silt Loam				
6-20	10YR	4/1	80	10YR	4/4	20	С	М	Silt Loam				
	-		-				-		-				
			-	-					-				
	-									-			
	<u>-</u>			-									
			-		-								
	-					-							
¹ Type: C=Cond	entration. D	=Depletio	n. RM=Red	duced Matrix.	CS=Covere	ed or Coate	ed Sand Gr	rains ² Loca	ation: PL=Pore Lining.	M=Ma	atrix		
Hydric Soil I								. 2000	_ _			3	
Histosol (A				Pol	value Belo	w Surface i	(S8) (LPP	R.	Indicators for F				
Histic Epip	•				RA 149B)	Januace ((JU) (LIKIK	•••	2 cm Muck (
Black Histi				Thir	n Dark Surf	ace (S9) (I	LRR R, ML	RA 149B)	Coast Prairie				
	Sulfide (A4)			Loa	my Mucky I	Mineral (F1) LRR K, L)	5 cm Mucky				
	Layers (A5)			Loa	my Gleyed	Matrix (F2))		☐ Dark Surface				
	Below Dark	Surface (A	11)	✓ Dep	leted Matri	x (F3)			Polyvalue Be				
	Surface (A		,	Red	lox Dark Su	rface (F6)			☐ Thin Dark Su				
	ck Mineral (S			Dep	leted Dark	Surface (F	7)		☐ Iron-Mangar				
	yed Matrix (Red	lox Depress	ions (F8)			☐ Piedmont Floodplain Soils (F19) (MLRA 149B) ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
Sandy Red		,							_			A, 145, 149B)	
Stripped M									Red Parent N			0)	
	Dark Surface (S7) (LRR R, MLRA 149B)					✓ Very Shallow Dark Surface (TF12)✓ Other (Explain in Remarks)							
										in in R	emarks)		
³ Indicators of			n and weti	and nydrolog	y must be p	present, un	iless distur	bea or probl	ematic.				
Restrictive La	ayer (if obs	erved):											
Type:									Undeia Cail Busas		· (a)		
Depth (inch	nes):								Hydric Soil Prese	ent?	Yes	No O	
Remarks:													
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I													
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