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-51n20w27-a1
Investigator(s): PJK	Section, Township, Range: S. 27	7 T. 51N R. 20W
Landform (hillslope, terrace, etc.): Mound	Local relief (concave, convex, none):	
Subregion (LRR or MLRA): LRR K	Lat.: 46 52.6064 Long.: -9	92 52.0079 Datum: NAD 83
Soil Map Unit Name: 1020A		NWI classification: PSSE
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		in any answers in Remarks.)
_ , _ ,	ap showing sampling point locations, to	•
Hydrophytic Vegetation Present? Yes O No	, <u>•</u>	· · ·
	Complete Aven	s O No •
	within a wetland?	
Remarks: (Explain alternative procedures here or		
Hydrology		
Wetland Hydrology Indicators:		ondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; che Surface Water (A1)		Surface Soil Cracks (B6)
High Water Table (A2)	` '	Drainage Patterns (B10) 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)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)		Geomorphic Position (D2)
☐ Iron Deposits (B5) ☐ Inundation Visible on Aerial Imagery (B7)	The state of the s	Shallow Aquitard (D3) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	- Other (Explain in Kemarks)	FAC-neutral Test (D5)
		The health rest (56)
Field Observations: Surface Water Present? Yes No No	Depth (inches): 0	
Water Table Present? Yes No •		
Saturation Present?	Depth (inches): 0 Wetland Hydrology Depth (inches): 0	y Present? Yes O No 🖜
(includes capillally fringe)	g well, aerial photos, previous inspections), if available:	
Describe Recorded Data (Stream gauge, monitoring	y well, derial protes, previous inspections), if available.	
Remarks:		

VEGETATION - Use scientific names of plants

VEGETATION - OSE SCIENTIFIC Harries of pic	Sampling Point: u-51n20w27-a1						
(Dist. size. 20	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:			
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Number of Dominant Species			
1 Pinus resinosa	50	✓	FACU	That are OBL, FACW, or FAC:0(A)			
2	0						
3				Total Number of Dominant Species Across All Strata: 3 (B)			
4				Species Across Air Strata.			
				Percent of dominant Species			
5				That Are OBL, FACW, or FAC: 0.0% (A/B)			
6							
7				Prevalence Index worksheet:			
Sapling/Shrub Stratum (Plot size: 15	50=	= Total Cove	r	Total % Cover of: Multiply by: OBL speci es15 x 1 =15			
1	0						
2				FACW species x 2 =0			
				FAC species x 3 =			
3				FACU species $130 \times 4 = 520$			
4				UPL speci es $0 \times 5 = 0$			
5				l ·			
6	0			Column Total s: <u>145</u> (A) <u>535</u> (B)			
7	0			Prevalence Index = B/A = 3.690			
		= Total Cove	r	II. danah da Vanah da Tadah			
Herb Stratum (Plot size: 5)				Hydrophytic Vegetation Indicators:			
1. Phleum pratense	10		FACU	Rapid Test for Hydrophytic Vegetation			
0.000		✓		☐ Dominance Test is > 50%			
			FACU	Prevalence Index is ≤3.0 ¹			
3. Poa pratensis		✓	FACU	Morphological Adaptations ¹ (Provide supporting			
4. Calamagrostis canadensis	15		OBL	data in Remarks or on a separate sheet)			
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)			
6							
7				¹ Indicators of hydric soil and wetland hydrology must			
		Ē		be present, unless disturbed or problematic.			
8				Definitions of Vegetation Strata:			
9				beamtions 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							
	-	= Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and			
Woody Vine Stratum (Plot size: 30		- rotal cove	•	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.			
2							
3				Woody vine - All woody vines greater than 3.28 ft in			
4				height.			
	0 =	= Total Cove	r				
				Hydrophytic			
				Vogatation			
				Present? Yes No No			
Domarke: (Include nhote numbers here ex en a consusta al	neet)						
Remarks: (Include photo numbers here or on a separate sh	ice.,						

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

Soil Sampling Point: u-51n20w27-a1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
Depth					Redox Features						
(inches)	Color (%	Color (moist)	%_	Type ¹	Loc²	Texture	Remarks	
0-10	10YR	3/3	100						Loam	_	
10-20	10YR	4/3	- 80	10YR	3/4	_ 20	C		Silt Loam		
										•	
		-		-						· ·	
		-		-				-			
			-		-		_				
			_								
1											
• •		=Depletio	n. RM=Rec	uced Matrix,	CS=Cover	ed or Coat	ed Sand Gr	ains ² Loca	ation: PL=Pore Lining. M=		
Hydric Soil In							(00) (1 = =	_	Indicators for Prol	olematic Hydric Soils	: ³
Histosol (A	•				value Belo A 149B)	w Surface	(S8) (LRR	₹,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Epipe					•	ace (S9) ((LRR R, MLI	RA 149B)	Coast Prairie Re	dox (A16) (LRR K, L, R)	
Black Histic							1) LRR K, L		5 cm Mucky Pea	t or Peat (S3) (LRR K, L	, R)
Stratified L	Sulfide (A4)					Matrix (F2		,	Dark Surface (S	7) (LRR K, L, M)	
	ayers (AS) Below Dark S	Surface (A	11)		leted Matri		•			Surface (S8) (LRR K, L)	
	Surface (A1		11)			ırface (F6)				ce (S9) (LRR K, L)	
	ck Mineral (S					Surface (F				Masses (F12) (LRR K, L	
	yed Matrix (Rede	ox Depress	sions (F8)				olain Soils (F19) (MLRA 1	
Sandy Red		31)								A6) (MLRA 144A, 145, 1	49B)
Stripped M									Red Parent Mate		
	ice (S7) (LRF	R R, MLRA	\ 149B)							rk Surface (TF12)	
							-11:-4	hl l- l -	Other (Explain in	i Remarks)	
³ Indicators of			n and wella	ina nyarology	must be p	present, ur	iless distui	bed of proble	ematic.		
Restrictive La	yer (if obs	erved):									
Type:									Hydric Soil Present?	Yes O No 🖲	
Depth (inch	ies):								Tryune Son Fresence	163 🔾 140 🔾	
Remarks:											