WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: RSA 22	City/County: St. Louis	Sampling Date: 15-Sep-17
Applicant/Owner: Enbridge	State: MN	Sampling Point: u-50n19w8-a1
Investigator(s): DPT	Section, Township, Range:	S. 8 T. 50N R. 19W
Landform (hillslope, terrace, etc.): Mound	Local relief (concave, convex, r	
Subregion (LRR or MLRA): LRR K	Lat.: 46 49.4363 Long	Datum: NAD 83
Soil Map Unit Name: B127B		NWI classification: N/A
Are climatic/hydrologic conditions on the site typical for this tim	ne of vear? Yes No	(If no, explain in Remarks.)
	•	Circumstances" present? Yes No
		explain any answers in Remarks.)
Summary of Findings - Attach site map show	,	
Hydrophytic Vegetation Present? Yes No •		· · · · · · · · · · · · · · · · · · ·
Hydric Soil Present? Yes No •	Is the Sampled Area within a Wetland?	Yes ○ No ●
Wetland Hydrology Present? Yes ○ No ●	within a wettand?	
Remarks: (Explain alternative procedures here or in a separat	a ranort)	
Hydrology Wetland Hydrology Indicators:		Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that a	pply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stain	ned Leaves (B9)	☐ Drainage Patterns (B10)
High Water Table (A2) Aquatic Fau	ına (B13)	Moss Trim Lines (B16)
Saturation (A3)		Dry Season Water Table (C2)
	Sulfide Odor (C1)	Crayfish Burrows (C8)
	nizospheres along Living Roots (C3) f Reduced Iron (C4)	Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
	n Reduced from (C4)	Geomorphic Position (D2)
	Surface (C7)	Shallow Aquitard (D3)
	lain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-neutral Test (D5)
Field Observations:		
•	ches):0	
Water Table Present? Yes No Depth (in	ches):0	
Saturation Present? Yes No Depth (includes capillary fringe)		rology Present? Yes O No 🖲
Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if avai	lable:
Remarks:		

VEGETATION - Use scientific names of plants

VEGETATION - OSE SCIENCIFIC Harries of pic	Sampling Point: u-50n19w8-a1					
(0) 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: (A)		
2		Ц		Total Number of Dominant		
3				Species Across All Strata:3(B)		
4	0					
5	0			Percent of dominant Species That Are OBL FACW or FAC: 0.0% (A/B)		
6				That Are OBL, FACW, or FAC: 0.0% (A/B)		
7	0			Prevalence Index worksheet:		
Sapling/Shrub Stratum (Plot size: 15)		0 = Total Cover		Total % Cover of: Multiply by:		
	0			0BL speci es x 1 =0		
1				FACW species 0 x 2 = 0		
2			-	FAC speciles 0 x 3 = 0		
3				FACU species 90 x 4 = 360		
4				UPL species $\frac{10}{10}$ x 5 = $\frac{50}{10}$		
5				Column Totals: 100 (A) 410 (B)		
6						
7				Prevalence Index = B/A = 4.100		
Herb Stratum (Plot size: 5)		= Total Cove	r	Hydrophytic Vegetation Indicators:		
				Rapid Test for Hydrophytic Vegetation		
1 Tanacetum vulgare		✓	FACU	☐ Dominance Test is > 50%		
2. Poa pratensis			FACU	Prevalence Index is ≤3.0 ¹		
3. Fragaria vesca			UPL	Morphological Adaptations ¹ (Provide supporting		
4. Solidago canadensis		✓	FACU	data in Remarks or on a separate sheet)		
5. Phleum pratense		✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)		
6	0			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	0			at breast height (DBH), regardless of height.		
2				Sonling/abruh Woody plants loss than 2 in DBH and		
(Not size, 20	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)				Hart All back and a constant of the second o		
1				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
2				Size, and woody planto less than 6.20 it tail.		
3			-	Woody vine - All woody vines greater than 3.28 ft in		
4				height.		
	=	= Total Cove	r			
				Hydrophytic Vegetation		
				Present? Yes No •		
Remarks: (Include photo numbers here or on a separate sh	neet.)					
- (/					

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

Soil Sampling Point: u-50n19w8-a1

Depth	ipuon: (De	Scribe to Matrix	uie aepth		it the indicator or co edox Features	iiiim the	absence of indicators.)	
(inches)	Color	(moist)	%	Color (moist)	%Type_1	Loc2	Texture	Remarks
0-14	10YR	4/4	100				Sandy Clay Loam	
	-	-						
	-							
				-				
			-	-				
							-	
¹ Type: C=Con	centration. [D=Depletio	n. RM=Red	uced Matrix, CS=Cover	red or Coated Sand Gra	ins ² Loca	ation: PL=Pore Lining. M=Ma	atrix
Hydric Soil 1	Indicators:			_			Indicators for Proble	matic Hydric Soils: 3
Histosol (A1)			Polyvalue Belo	ow Surface (S8) (LRR R	,		LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)			MLRA 149B)	(00) (100 0 1110			(A16) (LRR K, L, R)
Black Hist	tic (A3)				face (S9) (LRR R, MLR	A 149B)		r Peat (S3) (LRR K, L, R)
Hydroger	Sulfide (A4))			Mineral (F1) LRR K, L)		Dark Surface (S7)	
Stratified	Layers (A5)			Loamy Gleyed				irface (S8) (LRR K, L)
Depleted	Below Dark	Surface (A	11)	Depleted Matr			Thin Dark Surface	
☐ Thick Dar	k Surface (A	12)		Redox Dark Su				asses (F12) (LRR K, L, R)
Sandy Mu	ıck Mineral (S1)		Depleted Dark				
	eyed Matrix			Redox Depres	sions (F8)			n Soils (F19) (MLRA 149B)
Sandy Re							Red Parent Materia	(MLRA 144A, 145, 149B)
	Matrix (S6)							
	ace (S7) (LR	RR R, MLRA	149B)				☐ Very Shallow Dark	
							Other (Explain in R	emarks)
			n and wella	ina nyarology must be	present, unless disturb	ea or probl	ematic.	
Restrictive L		served):						
Type: <u>rc</u>							Undria Cail Brosant?	Yes ○ No •
Depth (inc	hes): 14						Hydric Soil Present?	Yes ○ No •
Remarks:								