WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: RSA 22	City/County: St. Louis	Samplin	g Date: 12-Sep-17
Applicant/Owner: Enbridge	State	: MN Sampling Point:	u-51n20w27-c2
Investigator(s): PJK	Section, Township, Rai	nge: S. 27 T. 51N	R. 20W
Landform (hillslope, terrace, etc.): Mound	Local relief (concave, conv	· — —	Slope: 8.7 % / 5.0 °
Subregion (LRR or MLRA): LRR K	Lat.: 46 52.3676	Long.: -92 51.7930	Datum: NAD 83
Soil Map Unit Name: B124A		NWI classification:	N/A
Are climatic/hydrologic conditions on the site typical for this ti	me of year? Yes No	(If no, explain in Remarks	s.)
		ormal Circumstances" present?	Yes No
		ded, explain any answers in Ren	
Summary of Findings - Attach site map show	•	· · ·	•
Hydrophytic Vegetation Present? Yes No •	,g		
Hydric Soil Present? Yes No •	Is the Sampled Ar		
Wetland Hydrology Present? Yes No •	within a Wetland?	7 163 0 110 0	
Remarks: (Explain alternative procedures here or in a separa	to roport \		
Hydrology Wetland Hydrology Indicators:			
Wetland Hydrology Indicators:	1, A	Secondary Indicators (minim	
Primary Indicators (minimum of one required; check all that : Surface Water (A1) Water-Sta	appiy) ined Leaves (B9)	Surface Soil Cracks (B6) Drainage Patterns (B10)	
	nuna (B13)	Moss Trim Lines (B16)	
Saturation (A3) Marl Depo		Dry Season Water Table	(C2)
	Sulfide Odor (C1)	Crayfish Burrows (C8)	
	Rhizospheres along Living Roots (C3)	Saturation Visible on Aer	ial Imagery (C9)
	of Reduced Iron (C4)	Stunted or Stressed Plan	• ,
	on Reduction in Tilled Soils (C6)	Geomorphic Position (D2	2)
	Surface (C7)	Shallow Aquitard (D3) Migratanegraphic Police	/D.1\
Sparsely Vegetated Concave Surface (B8)	olain in Remarks)	✓ Microtopographic Relief✓ FAC-neutral Test (D5)	(D4)
Sparsery regulated estimates carried (2-)		The ficultar rest (25)	
Field Observations: Surface Water Present? Yes No Depth (ii	nches): 0		
	<u></u>		
Water Table Present? Yes No Depth (in Saturation Present? Yes No Depth (in Depth (in Saturation Present)		Hydrology Present? Yes	○ No •
(Includes capillally Ittilige)		f available.	
Describe Recorded Data (stream gauge, monitoring well, aeria	al photos, previous irispections), ii	avaliable:	
Remarks:			

VEGETATION - Use scientific names of plants

VEGETATION - USE Scientific fiamles of pia	Sampling Point: u-51n20w27-c2			
(2)	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: (A)
2	0			Total Number of Deminant
3	0			Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of dominant Species
6				That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
· .		= Total Cove		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15		= Total Cove	Г	0BL speciles 0 x 1 = 0
1	0			
2				FACW species x 2 =0
3				FAC species x 3 =
				FACU species
4				UPL species $\frac{5}{}$ x 5 = $\frac{25}{}$
5				Col umn Total s: 100 (A) 405 (B)
6				
7				Prevalence Index = B/A =4.050_
Herb Stratum (Plot size: 5)	0 =	= Total Cove	r	Hydrophytic Vegetation Indicators:
				Rapid Test for Hydrophytic Vegetation
1. Tanacetum vulgare	90	✓	FACU	Dominance Test is > 50%
2. Cirsium arvense	5		FACU	Prevalence Index is ≤3.0 ¹
3. Bromus inermis	5		UPL	
4	0			Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6				robicinate rivatophytic regeation (Explain)
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
9				_
0				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
1				at breast height (DBH), regardless of height.
2				Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30)	100=	= Total Cove	r	greater than 3.28 ft (1m) tall
1				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
2				size, and woody plants less than 5.20 it tail.
3				Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cove	r	
				Hydrophytic
				Vegetation Present? Yes No No
				Present? Yes Vo V
				<u> </u>
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-51n20w27-c2

Depth	ription: (De		tne aeptn				ntirm the a	absence of indicators.)	
(inches)	Color (Matrix moist)	%	Color (moist)	dox Featu %	Type ¹	Loc2	Texture	Remarks
0-18	10YR	3/4	100			.,,,,,		Loam	
18-20	10YR	4/4	100					Sandy Loam	
				-					
Type: C=Con	centration D) – Denletio	n RM-Red	uced Matrix CS=Covere	ed or Coate	ed Sand Gra	ins 21 oca	ation: PL=Pore Lining. M=M	atriv
Hydric Soil		- Беріспо	ni. Kwi–Kou	deed Matrix, 03-00ver	ou or court	ca sana ora			
Histosol (Dobarde Del	,, Cıfe	(CO) (LDD D		Indicators for Proble	ematic Hydric Soils: 3
	. ,			Polyvalue Belov MLRA 149B)	v Surrace	(38) (LKK K	,	2 cm Muck (A10)	(LRR K, L, MLRA 149B)
	pedon (A2)			Thin Dark Surfa	ace (S9) (LRR R. MLR.	A 149B)	Coast Prairie Redo	x (A16) (LRR K, L, R)
Black His				Loamy Mucky M			,	5 cm Mucky Peat	or Peat (S3) (LRR K, L, R)
_	Sulfide (A4)			Loamy Gleyed				Dark Surface (S7)	(LRR K, L, M)
	Layers (A5)			Depleted Matrix		,		Polyvalue Below S	urface (S8) (LRR K, L)
_	Below Dark S		.11)	Redox Dark Su				Thin Dark Surface	(S9) (LRR K, L)
	rk Surface (A			Depleted Dark		7)		☐ Iron-Manganese M	Masses (F12) (LRR K, L, R)
_	uck Mineral (S			Redox Depress		7)		Piedmont Floodpla	in Soils (F19) (MLRA 149B)
_	eyed Matrix ((S4)		Redox Depress	10115 (F0)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Re	edox (S5)							Red Parent Materi	al (F21)
Stripped	Matrix (S6)							Very Shallow Dark	
☐ Dark Surf	face (S7) (LRI	R R, MLRA	A 149B)					Other (Explain in F	
³ Indicators o	f hydrophytic	: vegetatio	n and wetla	nd hydrology must be p	resent. un	less disturb	ed or proble		·
				, <u>, , , , , , , , , , , , , , , , , , </u>					
Restrictive L	ayer (IT obs	servea):							
Type:								Hydric Soil Present?	Yes ○ No •
Depth (inc	:hes):							Tryune Son Tresent	Tes U U U
Remarks:									