WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: RSA 22		City	//County:	St. Louis		Samplin	11 -Sep-17
Applicant/Owner: Enbridge			_	State: MN	l S a	ampling Point:	u-51n20w20-a1
Investigator(s): PJK		!	Section, To	wnship, Range:	s. 20	T. 51N	R. 20W
Landform (hillslope, terrace, etc.): M	ound		•	ncave, convex, n		onvex	Slope: 8.7 % / 5.0 °
Subregion (LRR or MLRA): LRR K		Lat.: 46 5	52.9226	Long	 1.: -92 5.	4.6620	Datum: NAD 83
Soil Map Unit Name: B102A						I classification:	N/A
Are climatic/hydrologic conditions on t	the site typ	oical for this time of year?	Yes	● No ○	(If no, ex	cplain in Remarks	5.)
	or Hydrolo	_		Are "Normal	• •	ances" present?	Yes ● No ○
Are Vegetation \square , Soil \square ,	or Hydrolo	gy naturally probl	ematic?			ny answers in Rei	narks.)
Summary of Findings - Atta	ch site				-	•	•
Hydrophytic Vegetation Present?	Yes O	No •					
Hydric Soil Present?	Yes 🔾	No •		Sampled Area a Wetland?	Yes C	No 💿	
Wetland Hydrology Present?	Yes 🔾	No •	-				
Hydrology							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of one	required: (check all that annly)				y Indicators (minimace Soil Cracks (B6)	
Surface Water (A1)	required, c	Water-Stained Leaves ('B9)			nage Patterns (B10)	
☐ High Water Table (A2)		Aquatic Fauna (B13)	,			Trim Lines (B16)	
Saturation (A3)		Marl Deposits (B15)			Dry S	Season Water Table	e (C2)
Water Marks (B1)		Hydrogen Sulfide Odor	(C1)		Cray	fish Burrows (C8)	
Sediment Deposits (B2)		Oxidized Rhizospheres		Roots (C3)		ration Visible on Ae	- · · ·
Drift deposits (B3)		Presence of Reduced Ir				ted or Stressed Plan	• •
☐ Algal Mat or Crust (B4)☐ Iron Deposits (B5)		Recent Iron Reduction i		(C6)		norphic Position (D:	2)
Inundation Visible on Aerial Imagery (B7)	☐ Thin Muck Surface (C7)				ow Aquitard (D3) otopographic Relief	(D4)
Sparsely Vegetated Concave Surface (Other (Explain in Remai	rks)			neutral Test (D5)	(04)
Field Observations:							
Surface Water Present? Yes	No 💿	Depth (inches):	0				
Water Table Present? Yes	No 💿	Depth (inches):	0			, (
Saturation Present? Yes	No 💿	Depth (inches):	0	Wetland Hydi	ology Pre	sent? Yes	○ No •
(includes capillary fringe) Describe Recorded Data (stream gauge		ring well, aerial photos, pi	revious insp	pections), if avail	able:		
Remarks:							

VEGETATION - Use scientific names of plants

vegeration - ose scientific fiames of plants				Sampling Point: u-51n20w20-a1			
(0) (1) (2)	Absolute		dicator	Dominance Test worksheet:			
Tree Stratum (Plot size: 30)	% Cover	Species? S	atus	Number of Dominant Species			
1	0			That are OBL, FACW, or FAC: (A)			
2	0			Total Number of Dominant			
3	0			Species Across All Strata:1(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:			
				0BL speci es x 1 =			
1				FACW species 5 x 2 = 10			
2				FAC species x 3 =0			
3		<u> </u>		FACU speciles 95 x 4 = 380			
4				UPL species $0 \times 5 = 0$			
5		<u> </u>		'			
6				Column Totals: 100 (A) 390 (B)			
7	0	Ш _		Prevalence Index = B/A = 3.900			
Herb Stratum (Plot size: 5)	0 =	Total Cover		Hydrophytic Vegetation Indicators:			
				Rapid Test for Hydrophytic Vegetation			
1. Poa pratensis		_	ACU	Dominance Test is > 50%			
2. Trifolium repens			ACU	Prevalence Index is ≤3.0 ¹			
3. Taraxacum officinale	15		ACU	Morphological Adaptations ¹ (Provide supporting			
4. Solidago gigantea	5	<u> </u>	ACW	data in Remarks or on a separate sheet)			
5	0			\square Problematic Hydrophytic Vegetation 1 (Explain)			
6	0	Ш_					
7	0			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
8							
9	0			Definitions of Vegetation Strata:			
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter			
11				at breast height (DBH), regardless of height.			
12				Conline / Abruh Waadu planta laga than 2 in DDII and			
		Total Cover		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall			
Woody Vine Stratum (Plot size: 30)				, ,			
1	0			Herb - All herbaceous (non-woody) plants, regardless of			
2	0	<u> </u>		size, and woody plants less than 3.28 ft tall.			
3	0	Ц -		Woody vine - All woody vines greater than 3.28 ft in			
4	0			height.			
	0 =	Total Cover					
				Hydrophytic			
				Vegetation Present? Yes No			
Remarks: (Include photo numbers here or on a separate sh	eet)						
Remarks. (Include prioto numbers here of on a separate sir	cet.)						

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

Soil Sampling Point: u-51n20w20-a1

Depth	Matrix			dox Features		-	
(inches)	Color (moist)	% C	olor (moist)		Loc2	Texture	Remarks
						-	
						-	
				-			
 1 Typo: C=Con	econtration D-Donlotion	PM-Poducod M	atrix CS_Covere	od or Coatod Sand Gra	ins 21 oca	ation: PL=Pore Lining. M=Ma	ntriv
		RIVI=Reduced IVI	atrix, CS=Covere	ed of Coated Salid Gra	IIIS -LUCA		
Hydric Soil 1			Dobacchie D-1	w Curfoce (CO) (LDD D			matic Hydric Soils: 3
Histosol (MLRA 149B)	w Surface (S8) (LRR R	,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	pedon (A2)		Thin Dark Surfa	ace (S9) (LRR R, MLR	A 149B)	Coast Prairie Redox	(A16) (LRR K, L, R)
Black Hist				Mineral (F1) LRR K, L)	,	5 cm Mucky Peat o	r Peat (S3) (LRR K, L, R)
	n Sulfide (A4) Layers (A5)		Loamy Gleyed I			Dark Surface (S7)	(LRR K, L, M)
	Below Dark Surface (A11	,	Depleted Matrix				ırface (S8) (LRR K, L)
	k Surface (A12)	,	Redox Dark Sui			Thin Dark Surface	(S9) (LRR K, L)
			Depleted Dark			Iron-Manganese M	asses (F12) (LRR K, L, R)
	uck Mineral (S1)		Redox Depress			Piedmont Floodplai	n Soils (F19) (MLRA 149B)
_	eyed Matrix (S4)					Mesic Spodic (TA6)	(MLRA 144A, 145, 149B)
Sandy Re						Red Parent Materia	l (F21)
	Matrix (S6)	40P)				Very Shallow Dark	Surface (TF12)
	face (S7) (LRR R, MLRA 1					Other (Explain in R	emarks)
³ Indicators o	f hydrophytic vegetation a	and wetland hyd	ology must be p	resent, unless disturb	ed or proble	ematic.	
Restrictive L	ayer (if observed):						
Type:							
Depth (inc	:hes):					Hydric Soil Present?	Yes O No 💿
Remarks:			-				
		Mar Calle and			41		
No algging n	ear road. Potential util	ities. Soils assi	ımea non-nyai	nc based on vegeta	ition.		