WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: RSA 22			City/County:	St. Louis		Samplin	Date: 08-Sep-17
Applicant/Owner: Enbridge				State: MN	ı s	Sampling Point:	w-51n21w23-a4
Investigator(s): SMR			Section, To	ownship, Range:	s. 23	T. 51N	R. 21W
Landform (hillslope, terrace, etc.)	Lowland			oncave, convex, n		concave	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR	K	Lat.:	46 53.2867	Long	-92 5 -92 5-	58.4736	Datum: NAD 83
Soil Map Unit Name: B107A					NW	VI classification:	PFO/SSB
Are climatic/hydrologic conditions	s on the site ty	pical for this time of y	rear? Ye	s • No O	(If no, e	xplain in Remark	s.)
Are Vegetation \Box , Soil \Box	, or Hydrol		tly disturbed?	Are "Normal	. ,	tances" present?	Yes ● No ○
Are Vegetation, Soil	, or Hydrol		problematic?			ny answers in Rei	marks.)
Summary of Findings - A		· ·			-	-	•
Hydrophytic Vegetation Present?	Yes	No O					
Hydric Soil Present?	Yes	No O		Sampled Area n a Wetland?	Yes 🤄	No O	
Wetland Hydrology Present?	Yes	No O	VVICIN	ir a Wedana:			
Remarks: (Explain alternative p	rocedures here	or in a senarate repo	nrt.)				
Hydrology							
Wetland Hydrology Indicators:					Seconda	ry Indicators (minim	num of 2 reauired)
Primary Indicators (minimum of	one required;	check all that apply)				ace Soil Cracks (B6)	
Surface Water (A1)		Water-Stained Lea	aves (B9)			nage Patterns (B10)	
High Water Table (A2)		Aquatic Fauna (B1				s Trim Lines (B16)	
Saturation (A3)		Marl Deposits (B1!				Season Water Table	e (C2)
Water Marks (B1)		Hydrogen Sulfide				yfish Burrows (C8)	
Sediment Deposits (B2) Drift deposits (B3)		Oxidized Rhizosph		Roots (C3)		uration Visible on Ae	
Algal Mat or Crust (B4)		Presence of Reduce		~ (CL)		nted or Stressed Plai morphic Position (D	, ,
Iron Deposits (B5)		Thin Muck Surface		S (Co)		llow Aquitard (D3)	2)
☐ Inundation Visible on Aerial Imag	gery (B7)	Other (Explain in I				otopographic Relief	(D4)
Sparsely Vegetated Concave Sur	face (B8)	Other (England	Memarks,		_	-neutral Test (D5)	
Field Observations:							
Surface Water Present? Yes	● No ○	Depth (inches):	6				
Water Table Present? Yes	● No ○	Depth (inches):	0			(a O
Saturation Present? Yes (includes capillary fringe)	● No ○	Depth (inches):	0	Wetland Hydr	rology Pr	esent? Yes	No O
Describe Recorded Data (stream	gauge, monito	oring well, aerial photo	os, previous ins	spections), if avail	lable:		
Remarks:							

VEGETATION - Use scientific names of plants

vegeration - ose scientific fiames of pla	Sampling Point: w-51n21w23-a4			
(0)-4 20	Absolute		ndicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30	% Cover	_species: _s	tatus	Number of Dominant Species
1				That are OBL, FACW, or FAC: 3 (A)
2				Total Number of Dominant
3		Ш _		Species Across All Strata:3(B)
4				
5				Percent of dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
6	0			That he obe, thow, of the
7	0	Ш_		Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15)	0 =	Total Cover		Total % Cover of: Multiply by:
	0			0BL speci es x 1 =
1				FACW species 30 x 2 = 60
2				FAC speciles x 3 =0
3	-	-		FACU species $0 \times 4 = 0$
4		-		UPL speci es x 5 =0
5				Column Totals: 100 (A) 130 (B)
6	-			
7				Prevalence Index = B/A = 1.300
Herb Stratum (Plot size: 5)		= Total Cover		Hydrophytic Vegetation Indicators:
	50	✓	OBL	Rapid Test for Hydrophytic Vegetation
0.7.4			OBL	✓ Dominance Test is > 50%
			FACW	✓ Prevalence Index is ≤3.0 ¹
			FACW	$oxedsymbol{\square}$ Morphological Adaptations 1 (Provide supporting
4		H -		data in Remarks or on a separate sheet)
5		<u> </u>		☐ Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7		<u> </u>		be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9		님 -		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				Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size: 30)	100 =	= Total Cover		greater than 3.28 ft (1m) tall
	0			Herb - All herbaceous (non-woody) plants, regardless of
1	0			size, and woody plants less than 3.28 ft tall.
2				
3	0			Woody vine - All woody vines greater than 3.28 ft in height.
4		Total Caver		neight.
		= Total Cover		
				Hydrophytic
				Vegetation
				Present? Yes No V
Remarks: (Include photo numbers here or on a separate she	eet.)			

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

Soil Sampling Point: w-51n21w23-a4

Depth	Matrix			dox Features			
(inches)	Color (moist)	<u> </u>	olor (moist)		Loc2	Texture	Remarks
						-	
						-	
						-	
		-		-			
			-				
			-				
1 Typo: C-Con	econtration D_Donlation	DM_Poducod M	atrix CS_Covere	od or Coated Sand Gra	ins 21 oca	tion: PL=Pore Lining. M=Ma	atriv
Hydric Soil		KIVI-REGUCEG IVI	attix, C3=Covere	ed of Coated Salid Gra	IIIS -LUCA		
] Dalamaka Balaw			Indicators for Proble	matic Hydric Soils: 3
Histosol (MLRA 149B)	v 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	k (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)	' <u> </u>	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)	100)				Very Shallow Dark	Surface (TF12)
	face (S7) (LRR R, MLRA 14					✓ Other (Explain in R	emarks)
³ Indicators o	f hydrophytic vegetation a	ind wetland hyd	rology must be p	resent, unless disturb	ed or proble	ematic.	
Restrictive L	ayer (if observed):						
Type:							
Depth (inc	:hes):					Hydric Soil Present?	Yes 💿 No 🔾
Remarks:			_				
	-4		المحمد الماسات				
no algging po	otential buried utilities.	soils assumed	a nyaric based	on vegetation.			