## WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: RSA 22		City/County: St. Louis	Sampling	<b>Date:</b> 14-Sep-17
Applicant/Owner: Enbridge		State: N	N Sampling Point:	u-50n19w17-b1
Investigator(s): DPT		Section, Township, Range	<b>s.</b> 17 <b>t.</b> 50N	<b>R.</b> 19W
Landform (hillslope, terrace, etc.): Sh	oulder slope	Local relief (concave, convex,	none): convex	Slope: 5.2 % / 3.0 °
Subregion (LRR or MLRA): LRR K	Lat.:	46 48.9525 <b>Lor</b>	-92 46.1273	Datum: NAD 83
Soil Map Unit Name: F140B			NWI classification:	
Are climatic/hydrologic conditions on the	he site typical for this time of ve	ear? Yes   No	(If no, explain in Remarks.	1
			Il Circumstances" present?	Yes  No
			•	
Are Vegetation, Soil, or Summary of Findings - Attack		•	explain any answers in Rem	•
	res No •		ns, transects, import	dir reatures, etc
, , , , , , , , , , , , , , , , , , , ,	res O No O	Is the Sampled Area	v	
	res O No O	within a Wetland?	Yes ○ No ●	
Wetland Hydrology Present?  Remarks: (Explain alternative proced)				
Hydrology				
Wetland Hydrology Indicators:			Secondary Indicators (minimu	m of 2 required)
Primary Indicators (minimum of one r			Surface Soil Cracks (B6)	
Surface Water (A1)  High Water Table (A2)	Water-Stained Leav	, ,	Drainage Patterns (B10)	
Saturation (A3)	☐ Aquatic Fauna (B13☐ Marl Deposits (B15☐		<ul><li>✓ Moss Trim Lines (B16)</li><li>✓ Dry Season Water Table (</li></ul>	·(-2)
Water Marks (B1)	Hydrogen Sulfide O		Crayfish Burrows (C8)	.02)
Sediment Deposits (B2)		eres along Living Roots (C3)	Saturation Visible on Aeria	al Imagery (C9)
☐ Drift deposits (B3)	Presence of Reduce		Stunted or Stressed Plant	* *
☐ Algal Mat or Crust (B4)		tion in Tilled Soils (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	☐ Thin Muck Surface	(C7)	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B	U Other (Explain in to	emarks)	Microtopographic Relief (I	04)
Sparsely Vegetated Concave Surface (E	38)		FAC-neutral Test (D5)	
Field Observations:				
Curiaco Mator Frodonti	No Depth (inches):	0		
Water Table Present? Yes	No Depth (inches):	0		
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):	Wetland Hyd	Irology Present? Yes	No 💿
Describe Recorded Data (stream gauge	e, monitoring well, aerial photo	s, previous inspections), if ava	ilable:	
Remarks:				

## **VEGETATION - Use scientific names of plants**

VEGETATION - OSE SCIENTIFIC Harries of pla	Sampling Point: u-50n19w17-b1			
(Olas : 20	Absolute	Dominant	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 Dominant
3	0			Species Across All Strata: 4 (B)
4	0			
5				Percent of dominant Species That Are ORL FACW or FAC: 0.0% (A/B)
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				0BL speci es 0 x 1 = 0
1	0			FACW species 0 x 2 = 0
2	0			<u> </u>
3				<u> </u>
4				FACU species $\frac{100}{2}$ x 4 = $\frac{400}{2}$
5				UPL speci es x 5 =0
6.				Col umn Total s: 100 (A) 400 (B)
7				Prevalence Index = B/A = 4.000
		= Total Cove		
Herb Stratum (Plot size: 5		20.0		Hydrophytic Vegetation Indicators:
1Tanacetum vulgare	20	<b>✓</b>	FACU	Rapid Test for Hydrophytic Vegetation
2. Ambrosia artemislifolia		<b>✓</b>	FACU	Dominance Test is > 50%
3. Trifolium repens		<b>✓</b>	FACU	Prevalence Index is ≤3.0 ¹
4. Plantago major	20	<b>✓</b>	FACU	Morphological Adaptations <sup>1</sup> (Provide supporting
F. Obloum protonos	10		FACU	data in Remarks or on a separate sheet)
O. T-15-11	- 10			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6. Trifolium pratense			FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				Definitions of Vegetation Strata.
0				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
1	0			at breast height (DBH), regardless of height.
2	0			Sapling/shrub - Woody plants less than 3 in. DBH and
(District 20	100 =	= Total Cove	•	greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30 )				
1	0			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 tall.
3				Woody vine - All woody vines greater than 3.28 ft in
4				height.
	0 =	= Total Cove		
				Hydrophytic
				Vegetation
Domarks: (Include photo numbers have as an a consustant	oot \			
Remarks: (Include photo numbers here or on a separate sh	ee.,			

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: u-50n19w17-b1

Depth	Matrix			dox Features			
(inches)	Color (moist)	<u> </u>	olor (moist)	<u>% Type</u> 1	Loc <sup>2</sup>	Texture	Remarks
			<del></del>			-	
		-	-				
1 Tuno: C. Con	contration D Donlation	DM Dodused M	ntriv CS Covere	od or Coated Sand Cra		tion: PL=Pore Lining. M=Ma	atriv
		RIVI=Reduced IVI	atrix, CS=Covere	ed of Coated Sand Gra	iiris ²Loca		
Hydric Soil		_				Indicators for Proble	matic Hydric Soils: 3
Histosol (	•		Polyvalue Belov MLRA 149B)	w Surface (S8) (LRR R	ı	2 cm Muck (A10) (	LRR K, L, MLRA 149B)
	pedon (A2)		•	200 (SO) (LDD D MLD	A 140D)	Coast Prairie Redox	k (A16) (LRR K, L, R)
Black His				ace (S9) (LRR R, MLR	A 149B)		r Peat (S3) (LRR K, L, R)
Hydroger	Sulfide (A4)	닏		Mineral (F1) LRR K, L)		Dark Surface (S7)	
Stratified	Layers (A5)	닏	Loamy Gleyed				ırface (S8) (LRR K, L)
Depleted	Below Dark Surface (A11)	,	Depleted Matrix	x (F3)		Thin Dark Surface	
☐ Thick Dar	k Surface (A12)		Redox Dark Su	rface (F6)			
	uck Mineral (S1)		Depleted Dark	Surface (F7)			asses (F12) (LRR K, L, R)
	eyed Matrix (S4)		Redox Depress	ions (F8)			n Soils (F19) (MLRA 149B)
_							(MLRA 144A, 145, 149B)
Sandy Re						Red Parent Materia	l (F21)
	Matrix (S6)					Very Shallow Dark	Surface (TF12)
☐ Dark Surf	ace (S7) (LRR R, MLRA 14	19B)				Other (Explain in R	emarks)
<sup>3</sup> Indicators o	f hydrophytic vegetation a	and wetland hyd	ology must be p	resent, unless disturb	ed or proble	ematic.	
	ayer (if observed):						
	ayer (ii observed):						
Type:						Hydric Soil Present?	Yes ○ No •
Depth (inc	hes):		-			Tryanic Bon Fresche.	Tes C NO C
Remarks:							
No diagina.	potential buried utilitie	s. Soils assun	ned non-hydrid	: based on vegetation	on and hy	drology.	
	r						