WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP 0	City/County: <u>Carlton</u>	Sampling Date: 5/20/2014					
Applicant/Owner: Enbridge	State: N						
Investigator(s): KRG/KJA		Section, Township, Range:					
Landform (hillslope, terrace, etc.): Talf		concave, convex, none): LL					
Slope (%): 0 - 2% Lat.: <u>46.610387 L</u> Soil Map Unit Name: 188	.ong.: <u>-92.386046</u> Datu	NWI Classification:					
Are climatic/hydrologic conditions of the site typical for	this time of the year?	(If no, explain in remarks)					
Are vegetation, soil, or hydrolog							
Are vegetation \Box , soil \Box , or hydrolog	y naturally problematic	c? circumstances" present?					
(If needed, explain any answers in remarks)							
SUMMARY OF FINDINGS							
Hydrophytic vegetation present? N Hydric soil present? N	Is the sampled area wit	thin a wetland? N					
Indicators of wetland hydrology present? N	If yes, optional wetland s	site ID:					
Remarks: (Explain alternative procedures here or in a	senarate report)						
The point is located in a grassland dominated		a scattered varrow					
HYDROLOGY							
Drimen, Indianten (minimum of each is measingly sheet)		Secondary Indicators (minimum of two					
Primary Indicators (minimum of one is required; check	r-Stained Leaves (B9)	required) Surface Soil Cracks (B6)					
	tic Fauna (B13)	Drainage Patterns (B10)					
Saturation (A3)	Deposits (B15)	Moss Trim Lines (B16)					
	ogen Sulfide Odor (C1)	Dry-Season Water Table (C2)					
	zed Rhizospheres on	Crayfish Burrows (C8)					
	g Roots (C3) ence of Reduced Iron (C4)	 Saturation Visible on Aerial Imagery (C9) 					
	Int Iron Reduction in Tilled	Stunted or Stressed Plants (D1)					
Inundation Visible on Aerial		Geomorphic Position (D2)					
	Muck Surface (C7)	Shallow Aquitard (D3)					
	r (Explain in Remarks)	Microtopographic Relief (D4)					
Surface (B8)		FAC-Neutral Test (D5)					
Field Observations:							
Surface water present? Yes	Depth (inches):	Indicators of					
Water table present? Yes	Depth (inches):	wetland					
Saturation present? Yes	Depth (inches):	hydrology					
(includes capillary fringe)		present? <u>N</u>					
Describe recorded data (stream gauge, monitoring we	ll, aerial photos, previous inspe	ctions), if available:					
Remarks:							
No wetland hydrology observed.							

VEGETATION - Use scientific names of plants

GETATION - I							50/20 Thresholds		
							50/20 Thresholds		
Free Stratum	Plot Size (30 ft)	Absolute	Dominant	Indicator			50%
	1 101 0120 (00 11	,	% Cover	Species	Status	Tree Stratum	0	0
							Sapling/Shrub Stratum	1	3
							Herb Stratum	20	50
							Woody Vine Stratum	0	0
							woody vine Stratum	0	0
							Dominance Test Workshe	of	
							Number of Dominant		
							Species that are OBL,		
							FACW, or FAC:	0	(A)
							Total Number of Dominant		_(A)
							Species Across all Strata:	2	(B)
				0	 Total Cover 		Percent of Dominant		
							Species that are OBL,		
apling/Shrub				Absolute	Dominant	Indicator	FACW, or FAC:	0.00%	(A/
Stratum	Plot Size (15 ft)	% Cover	Species	Status		0.0070	_ (**
Pinus strobus				5	Y	FACU	Prevalence Index Worksh	oot	
1 1103 30 0003					<u> </u>	TAUU	Total % Cover of:		
								_ ^	
							OBL species 0 x 1		_
							FACW species 0 x 2		
							FAC species 0 x 3		
							FACU species 105 x 4	= 420)
							UPL species 0 x 5	= 0	
							Column totals 105 (A)	420	(B)
							Prevalence Index = B/A =	4.00	_(=)
								4.00	
				5	Total Cover				
							Hydrophytic Vegetation I	ndicators	
				Absolute	Dominant	Indicator	Rapid test for hydrophy		
lerb Stratum	Plot Size (5 ft)	% Cover	Species	Status	Dominance test is >50°		
Dee mustamaia					•				
Poa pratensis				95	<u>Y</u>	FACU	Prevalence index is ≤3.		_
Achillea millef	olium			5	N	FACU	Morphogical adaptation		
							supporting data in Rem	arks or on	а
							separate sheet)		
							Problematic hydrophyti	c vegetatio	on*
							(explain)		
								and hudrolog	
							*Indicators of hydric soil and wetl present, unless disturbed or prob		yy mus
							,		
							Definitions of Vegetation		
							Tree - Woody plants 3 in. (7.6 cm		diame
							breast height (DBH), regardless of	of height.	
						· · · · · · · · · · · · · · · · · · ·			
							Sapling/shrub - Woody plants le greater than 3.28 ft (1 m) tall.	ss than 3 in.	DBH a
							greater than 5.20 It (1 III) tâll.		
				100 =	= Total Cover		Herb - All herbaceous (non-wood	ly) plants, re	gardles
				Aberliste	Demissist	In alia - t - r	size, and woody plants less than		-
Noody Vine	Plot Size (30)	Absolute	Dominant	Indicator			
Stratum	\		,	% Cover	Species	Status	Woody vines - All woody vines g	reater than 3	3.28 ft i
							height.		
					·				
							the description of the		
					·		Hydrophytic		
					<u></u>		vegetation		
				0 :	= Total Cover		present? N		

The area is dominated by Kentucky bluegrass with scattered yarrow.

SOIL									San	pling Point: CR132a1U
Profile	Description:	(Describe	to the c	depth needed t	o documer	nt the ir	ndicator or	confirm	the absence of	of indicators.)
Depth		Matrix			Redox F					
(ln.)	Color	(moist)	%	Color (m	oist)	%	Type*	Loc**	Texture	Remarks
12	Hue 10YR	3/3	100				.)		SCL	
12	Hue 10YR	5/2	60	Hue_5YR	4/6	40	С	М	CL	
10		5/2	00	The_STR	4/0	40	0	111	OL .	
			+							
									ł – – ł	
			+							
*Type:	C=Concentr	ation, D=De	epletior	n, RM=Reduce	d Matrix, C	S=Cov	vered or Co	oated Sa	and Grains	
**Locat	ion: PL=Por	e Lining, M	- Matrix	(
Hydric	Soil Indica	tors:						Indicat	tors for Prob	lematic Hydric Soils:
 Histosol (A1) Histosol (A2) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Suface (A11) Thic Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA Hedox Dark Surface (F6) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA Hedox Dark Surface (F7) Stripped Matrix (S6) Thind Cators of hydrophytic vegetation and weltand hydrology must be present, unless disturbed or problematic 									dox (A16) (LRR K, L, R) t or Peat (S3) (LRR K, L, R) 7) (LRR K, L Surface (S8) (LRR K, L) e (S9) (LRR K, L) Masses (F12) (LRR K, L, R) blain Soils (F19) (MLRA 149B) A6) (MLRA 144A, 145, 149B) erial (F21) rk Surface (TF12) Remarks)	
Restrictive Layer (if observed): Type: Hydric soil present? N Depth (inches): N									t? <u>N</u>	
Remarl		s were ob	served	d below 12 in	nches; ho	wever	r, soils do	o not me	eet hydric in	dicators.