WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP	City/County:	Carlton	Sampling Date: 5/28/2	014
Applicant/Owner: Enbridge		State:	Sampling Point:	CRC5168k1W
Investigator(s): BJC/DGL		Section, To	ownship, Range:	
Landform (hillslope, terrace, etc.): Side slope		Local relief (co	ncave, convex, none):	CL
Slope (%): <u>3 - 7%</u> Lat.: <u>46.628977</u>	Long.: <u>-92.48</u>	84619 Datum		•
Soil Map Unit Name: 355C			NWI Classification:	
Are climatic/hydrologic conditions of the site typical			(If no, explain in rema	rks)
Are vegetation, soil, or hydro		gnificantly disturbed?		
Are vegetation, soil, or hydro	logy <u> </u>	aturally problematic?	circumstances	s" present?
(If needed, explain any answers in remarks)				
SUMMARY OF FINDINGS				
Hydrophytic vegetation present? Y	Is the	sampled area with	in a wetland?	Υ
Hydric soil present? Y	_			
Indicators of wetland hydrology present? Y	If yes,	, optional wetland site	e ID:	
Remarks: (Explain alternative procedures here or in	a separate rep	oort.)		
The wetland is located in a wet meadow wit		·	line corridor	
The welland is located in a well meadow with	imir ari oponi, i	mamamoa powor	iii o oomaon.	
HYDROLOGY				
			Secondary Indicators	(minimum of two
Primary Indicators (minimum of one is required; che	eck all that apply	y)	required)	•
	ater-Stained Lea		Surface Soil Crack	
	quatic Fauna (B1		Drainage Patterns	
	arl Deposits (B15		Moss Trim Lines (E	
	ydrogen Sulfide (xidized Rhizosph		☐ Dry-Season Water☐ Crayfish Burrows (
	ving Roots (C3)	10103 011	☐ Saturation Visible of	
	esence of Reduc	ced Iron (C4)	(C9)	
	ecent Iron Reduc	ction in Tilled	☐ Stunted or Stresse	d Plants (D1)
	oils (C6)		Geomorphic Position	
	nin Muck Surface	• •	☐ Shallow Aquitard (I	
	ther (Explain in F	Remarks)	Microtopographic F	
Surface (B8)			✓ FAC-Neutral Test (D5)
Field Observations:				
Surface water present? Yes	Depth	ı (inches):	Indicators of	F
Water table present? Yes		n (inches): 2	wetland	
Saturation present? Yes <u></u>	Depth	n (inches):1	hydrology	
(includes capillary fringe)			present?	<u>Y</u>
Describe recorded data (stream gauge, monitoring	well aerial phot	tos previous inspect	ions) if available:	
2000.20 1000.404 data (Stream gaage, monitoring	, acriai prioi	too, provious mopeot	onoj, ii avallabio.	
Remarks:				
The wetland is located along the edge of a	an ephemeral	stream.		
wouldn't lo located diolig tile odge of t	opoordi	- J. Jan.		

SUIL								Samp	ling Point:	CRC5168K1W	
Drofile	Description:	(Describe	to the d	enth needed	to docum	ent the i	ndicator o	r confirm	the absence	e of indicators.)	
	1	Matrix	to the u	epin needed		Feature		COMMITTE	lile absenc	T	
Depth									T	Remarks	
(ln.)	i e	<u> </u>		Color (II	ioist)	70	Type*	Loc**	Texture	In a constant	
0-14	Hue_7.5YR	2.5/2	100						MMI	loamy	
			1 1								
*Type:	C=Concentr	ation, D=D	epletion	, RM=Reduce	ed Matrix,	CS=Co	vered or C	oated Sa	and Grains		
	tion: PL=Por										
Hydric	Soil Indica	tors:						Indicat	ors for Pro	blematic Hydric Soils:	
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Suface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA *Indicators of hydrophytic vegetation and wetland hydrology must be properly a surface in the property of the						149B) 69) 3 al (F1) x (F2) (F6) ce (F7) (F8)	Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) S cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)				
Restrictive Layer (if observed): Type: Bedrock Depth (inches): 14							Hydric soil present? Y				
Deptil	(inches). 1	'									
Remar											
The	soils could	d only be	sample	d to a depth	n of 14 II	nches o	due to be	drock.			