WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP City	/County: Carlton	Sampling Date: 5/26/2	014		
Applicant/Owner: Enbridge	Stat	e: MN Sampling Point:	CR130d1W		
Investigator(s): BJC/DGL		tion, Township, Range:			
Landform (hillslope, terrace, etc.): Depression		elief (concave, convex, none):	CC		
	g.: <u>-92.398245</u>	Datum:			
Soil Map Unit Name: 188	is time of the year?	NWI Classification:			
Are climatic/hydrologic conditions of the site typical for th Are vegetation, soil, or hydrology	significantly dis	☑ (If no, explain in rema turbed? Are "normal	iks)		
Are vegetation, soil, or hydrology	naturally proble		s" present? 🗹		
(If needed, explain any answers in remarks)					
SUMMARY OF FINDINGS					
Hydrophytic vegetation present? Y Hydric soil present? Y	Is the sampled are	a within a wetland?	Y		
	If yos, optional wat	and site ID:			
Indicators of wetland hydrology present? Y	If yes, optional wetl				
Remarks: (Explain alternative procedures here or in a se	parate report.)				
The wetland consists of a scrub-shrub communit	. ,	ight-of-way corridor.			
HYDROLOGY					
		Secondary Indicators	(minimum of two		
Primary Indicators (minimum of one is required; check all		required)			
	tained Leaves (B9) Surface Soil Cracks (B6)				
	Fauna (B13) Drainage Patterns (B10) posits (B15) Moss Trim Lines (B16)				
	posits (B15) Moss Trim Lines (B16) en Sulfide Odor (C1) Dry-Season Water Table (C2)				
	d Rhizospheres on				
	Roots (C3) Saturation Visible on Aerial Imagery				
	e of Reduced Iron (C4)	(C9)			
	Iron Reduction in Tilled Stunted or Stressed Plants (D1)				
Inundation Visible on Aerial Soils (C	,	Geomorphic Positio	. ,		
	ck Surface (C7)	Shallow Aquitard (I	,		
Sparsely Vegetated Concave Other (E Surface (B8)	xplain in Remarks)	 Microtopographic F FAC-Neutral Test (
Field Observations:					
Surface water present? Yes	Depth (inches):	Indicators of			
Water table present? Yes	Depth (inches):	wetland			
Saturation present? Yes	Depth (inches):	hydrology	V		
(includes capillary fringe)		present?	<u> </u>		
Describe recorded data (stream gauge, monitoring well, a	aerial photos, previous i	nspections), if available:			
	- •				
Remarks:					
The wetland is located in a slightly depressional	al area and is dominated	ated by hydrophytic veget	ation.		

/EGETATION - Use scientific names of plan	Sampling Point:	CR130d1W			
Tree Stratum Plot Size (30 ft) 1 2 3 4	Absolute % Cover	Dominant Species	Indicator Status	50/20 Thresholds20%Tree Stratum0Sapling/Shrub Stratum14Herb Stratum20Woody Vine Stratum0	50% 0 35 50 0
5 6 7 8 9 0				Dominance Test WorksheetNumber of DominantSpecies that are OBL,FACW, or FAC:5Total Number of DominantSpecies Across all Strata:5	_(A) _(B)
Sapling/Shrub Plot Size(15 ft) Stratum	Absolute % Cover	 Total Cover Dominant Species 	Indicator Status		<u>%</u> (A/B)
1 Alnus incana 2 Salix petiolaris 3 Populus balsamifera 4	<u>30</u> <u>20</u> <u>20</u> 	Y Y Y	FACW FACW FACW	Prevalence Index WorksheetTotal % Cover of:OBL species $0 \times 1 = 0$ FACW species $160 \times 2 = 320$ FAC species $10 \times 3 = 30$ FACU species $0 \times 4 = 0$ UPL species $0 \times 5 = 0$ Column totals 170 (A) Prevalence Index = B/A = 2.06	
0 Herb Stratum Plot Size (5 ft) 1 Phalaris arundinacea 2 Onoclea sensibilis 3 Ribes hirtellum 4 Rubus idaeus 5 6 7 8	70 Absolute % Cover 45 30 15 10	Total Cover Dominant Species Y Y N N N	Indicator Status FACW FACW FACW FAC	Hydrophytic Vegetation Indicators Rapid test for hydrophytic vegeta X Dominance test is >50% X Prevalence index is ≤3.0* Morphological adaptations* (prov supporting data in Remarks or or separate sheet) Problematic hydrophytic vegetation (explain) *Indicators of hydric soil and wetland hydrolog present, unless disturbed or problematic	ition ride n a on*
9 0 1 2 3 4				Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in.	
Woody Vine Plot Size(30 ft) 12	100 = Absolute % Cover	Total Cover Dominant Species	Indicator Status	greater than 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, re size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than height.	-
3 4 5	0 =	= Total Cover		Hydrophytic vegetation present? Y	

SOIL								Sampl	ing Point:	CR130d1W		
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)												
Depth		Matrix			Redox					Remarks		
(ln.)	Color	(moist)	%	Color (m	ioist)	%	Type*	Loc**	Texture	Kennanko		
				RM=Reduce	d Matrix, (CS=Co	vered or C	oated Sa	nd Grains			
	ion: PL=Por	Ū.	=Matrix					Indiaat	ara far Drahla	motio Uudrio Soilou		
пуалс	Soil Indica	lors.						muicate	ors for Proble	matic Hydric Soils:		
	Histosol (A				yvalue Be					(LRR K, L, MLRA 149B		
	Histic Epipe	. ,			8) (LRR R, n Dark Su					ox (A16) (LRR K, L, R)		
│────	Black Histic Hydrogen S				RR R, MLF				k Surface (S7)	or Peat (S3) (LRR K, L, R) (LRR K , L		
	Stratified La				amy Mucky					Surface (S8) (LRR K, L)		
	Depleted B				RR K, L)					e (S9) (LRR K, L)		
	Thick Dark				amy Gleye					Masses (F12) (LRR K, L, R)		
│ ┾┽	Sandy Mucky Mineral (S1) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA Sandy Gleyed Matrix (S4) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 145, 145, 145, 145, 145, 145, 145											
	Sandy Red		0.)		pleted Dar				Parent Mater			
	☐ Stripped Matrix (S6) ☐ Redox Depressions (F8) ☐ Very Shallow Dark Surface (TF											
	Dark Surfac	ce (S7) (LR	R R, ML	.RA				<u> </u>	er (Explain in F	Remarks)		
*Indicat	ors of hydro	phytic vege	etation a	nd wetland hy	ydrology m	nust be	present, u	nless dist	turbed or probl	ematic.		
Restric	tive Layer (if	fobserved)	:									
Type:	·							Hydric soil present? Y				
Depth (inches):											
Remark	(S:											
Soils could not be sampled due to the location within an existing pipeline corridor. Soils are assumed to be												
hydric due to the landscape position and dominance of hydrophytic vegetation.												
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