WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP Cit	cy/County: Clearwater	Sampling Date: 6/6/2014
Applicant/Owner: Enbridge	State: MN	Sampling Point: CLC5011c1W
Investigator(s): EAB/RAJ		wnship, Range:
Landform (hillslope, terrace, etc.) Depression	Local relief (con	cave, convex, noneCC
	ng.: <u>-95.401551</u> Datum:	
Soil Map Unit Name: 718C		NWI Classification:
Are climatic/hydrologic conditions of the site typical for the same property of the same prop		(If no, explain in remarks)
Are vegetation , soil , or hydrology		Are "normal circumstances" present?
Are vegetation, soil, or hydrology	naturally problematic?	circumstances" present?
(If needed, explain any answers in remarks)		
SUMMARY OF FINDINGS	_	
Hydrophytic vegetation present? Hydric soil present? Y Y	Is the sampled area withir	n a wetland? Y
Indicators of wetland hydrology present? Y If yes, optional wetland site ID:		
Remarks: (Explain alternative procedures here or in a separate report.)		
The wetland is a small basin of reed canary grass in the middle of a pine plantation. The area was likely		
farmed at some point in the past.		
HYDROLOGY		
HIDROLOGI		Coonday Indicators (minimum of two
 ☐ High Water Table (A2) ☐ Saturation (A3) ☐ Water Marks (B1) ☐ Sediment Deposits (B2) ☐ Drift Deposits (B3) ☐ Algal Mat or Crust (B4) ☐ Iron Deposits (B5) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Sparsely Vegetated Concave Surface (B8) ☐ Adquation Applies ☐ Aquation Applies ☐ Present Soils (Concave Surface (B8) 	Ill that apply) Stained Leaves (B9) E Fauna (B13) eposits (B15) gen Sulfide Odor (C1) ed Rhizospheres on Roots (C3) ge of Reduced Iron (C4) I Iron Reduction in Tilled C6) uck Surface (C7) Explain in Remarks)	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:	Death ('eahar)	Indicators of
Surface water present? Yes Water table present? Yes	Depth (inches): 4	wetland
Saturation present? Yes	Depth (inches): 0	hydrology
(includes capillary fringe)	Deput (menes)	present? Y
		, <u></u>
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
Soils are saturated throughout the profile. Surface water is present in some spots.		
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SOIL Sampling Point: CLC5011c1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Matrix Redox Features Depth Remarks Color (moist) % Color (moist) Loc** Texture (ln.) Type* Hue 10YR 100 0-10 3/1 10-14 Hue 10YR 2/1 98 Hue 10YR 3/3 С С Μ 14-20 Hue 10YR 95 4/4 5 5/1 Hue_10YR С Μ С Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains *Location: PL=Pore Lining, M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils: Polyvalue Below Surface ☐ Histosol (A1) 2 cm Muck (A10) (LRR K, L, MLRA 149B Histic Epipedon (A2) (S8) (LRR R. MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B Hydrogen Sulfide (A4) Dark Surface (S7) (LRR K, L ☐ Loamy Mucky Mineral (F1) Stratified Layers (A5) Polyvalue Below Surface (S8) (LRR K, L) (LRR K, L) Depleted Below Dark Suface (A11) Thin Dark Surface (S9) (LRR K, L) Loamy Gleyed Iviaux
Depleted Matrix (F3) Thick Dark Surface (A12) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleved Matrix (S4) Redox Dark Surface (F6) Sandy Redox (S5) Depleted Dark Surface (F7) Red Parent Material (F21) Stripped Matrix (S6) Redox Depressions (F8) Very Shallow Dark Surface (TF12) ☐ Dark Surface (S7) (LRR R, MLRA Other (Explain in Remarks) *Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Hydric soil present? Y Type: Depth (inches): Remarks: Redox features are present in the lowest, depleted layer of soil that was sampled.