

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Sandpiper	City/County:	Cass	Sampling Date:	06/10/2014
Applicant/Owner:	Enbridge	State:	MN	Sampling Point	CA084_512b1U
Investigator(s):	ZCW	Section, Township, Range:			
Landform (hillslope, terrace, etc.):	Rise	Local relief (concave, convex, none):	Convex/Linear		
Slope (%):	1	Lat.:		Long.:	
		Datum:			
Soil Map Unit Name			NWI Classification:		
Are climatic/hydrologic conditions of the site typical for this time of the year?			No (If no, explain in remarks)		
Are vegetation _____, soil _____, or hydrology _____ significantly disturbed?			Are "normal		
Are vegetation _____, soil _____, or hydrology _____ naturally problematic?			circumstances" present? Yes		
(If needed, explain any answers in remarks)					

SUMMARY OF FINDINGS

Hydrophytic vegetation present?	<u> N </u>	Is the sampled area within a wetland? <u> N </u> If yes, optional wetland site ID: _____
Hydric soil present?	<u> N </u>	
Indicators of wetland hydrology present?	<u> N </u>	
Remarks: (Explain alternative procedures here or in a separate report.) Minnesota Climatology Working Group indicates prior three months are below normal precipitation (dry) based on a wetland delineation precipitation data retrieval by location.		

HYDROLOGY

Primary Indicators (minimum of one is required; check all that apply) ☐ Surface Water (A1) ☐ Water-Stained Leaves (B9) ☐ High Water Table (A2) ☐ Aquatic Fauna (B13) ☐ Saturation (A3) ☐ Marl Deposits (B15) ☐ Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) ☐ Sediment Deposits (B2) ☐ Oxidized Rhizospheres on Living ☐ Drift Deposits (B3) ☐ Roots (C3) ☐ Algal Mat or Crust (B4) ☐ Presence of Reduced Iron (C4) ☐ Iron Deposits (B5) ☐ Recent Iron Reduction in Tilled ☐ Inundation Visible on Aerial ☐ Soils (C6) ☐ Imagery (B7) ☐ Thin Muck Surface (C7) ☐ Sparsely Vegetated Concave ☐ Other (Explain in Remarks) ☐ Surface (B8)			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) ☐ FAC-Neutral Test (D5) ☐ Microtopographic Relief (D4)		
Field Observations: Surface water present? Yes ☐ No ☒ Depth (inches): _____ Water table present? Yes ☐ No ☒ Depth (inches): _____ Saturation present? Yes ☒ No ☐ Depth (inches): <u>16</u> (includes capillary fringe)			Indicators of wetland hydrology present? <u>N</u>		
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					