

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: L3R City/County: Clearwater Sampling Date: 10/7/2014
 Applicant/Owner: Enbridge State: MN Sampling Point: u-149n37w32-f2
 Investigator(s): BJC/NTT/BEH Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Footslope Local relief (concave, convex, none) CL
 Slope (%): 3 - 7% Lat.: 47.68451 Long.: -95.424581 Datum: _____
 Soil Map Unit Name: 481 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 hydrology significantly disturbed? Are "normal
 Are vegetation , soil , or hydrology naturally problematic? circumstances" present?
 (If needed, explain any answers in remarks)

SUMMARY OF FINDINGS

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| Hydrophytic vegetation present? <u> N </u> Hydric soil present? <u> N </u> Indicators of wetland hydrology present? <u> N </u> | Is the sampled area within a wetland? <u> N </u> If yes, optional wetland site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.) The upland sample point is located in a soybean field that has been recently harvested. The soils are disturbed due to tillage, while the vegetation is disturbed due to tillage and herbicide application. | |

HYDROLOGY

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|---|---|
| Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Roots (C3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Recent Iron Reduction in Tilled <input type="checkbox"/> Inundation Visible on Aerial <input type="checkbox"/> Soils (C6) Imagery (B7) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Sparsely Vegetated Concave <input type="checkbox"/> Other (Explain in Remarks) Surface (B8) | Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5) |
| Field Observations: Surface water present? Yes <input type="checkbox"/> Depth (inches): _____ Water table present? Yes <input type="checkbox"/> Depth (inches): _____ Saturation present? Yes <input type="checkbox"/> Depth (inches): _____ (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: No indicators of wetland hydrology were observed. | |