

### Wadeable Macroinvertebrate Field Data Report

Instructions: Bold fields must be completed.

#### Station Summary

<b>Waterbody Name</b> UNT to Mud Creek	<b>Waterbody ID Code</b> 5021372	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20170927-45-01
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<b>Sampling Location</b> Riffle Below Bridge	<b>Database Key</b> 148337524
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<b>SWIMS Station ID</b> 10049217	<b>SWIMS Station Name</b> UNT TO MUD CREEK 200M DS WHEELER RD
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<b>Latitude</b>	<b>Longitude</b>	<b>Lat/Long Determination Method (circle)</b> SWIMS    SWDV    GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> LOWER FOX	<b>Watershed Name</b> FOX RIVER - APPLETON	<b>County</b> OUTAGAMIE
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#### Sample and Site Descriptors

<b>Sample Collector (Last Name, First)</b> ANDREW HUDAK	<b>Project Name</b> MUD CREEK AND NEENAH SLOUGH TWA 2017
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**Sampling Device**

D-Frame Kick Net     
  Surber Sampler     
  Eckman  
 Ponar     
  Artificial Substrate     
  Hess Sampler     
  Other: \_\_\_\_\_

**Habitat Sampled**

Riffle     
  Run     
  Pool  
 Other     
  Shoreline Composite     
  Proportionally-Sampled Habitat  
 Littoral Zone     
  Profundal Zone     
  Wetland

<b>Total Sampling Time (min)</b> 4	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 3	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
  Other: TWA

<b>Water Temp. (C)</b> 17.33	<b>D.O. (mg/l)</b> 5.6	<b>D.O. (%sat.)</b> 58	<b>pH (su)</b> 7.76	<b>Conductivity (umhos/cm)</b> 836	<b>Transparency (cm)</b> 7122
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.25	<b>Average Stream Width of reach (m)</b> 5
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 20  
 Sand: 30 Clay: 30 Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 10 Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 30      **Canopy Cover at Sample Site (%)** 70

**Stream and Watershed Descriptors**

N = Not a problem  
 U = Uncertain  
 PL = Present, Low Impact  
 PH = Present, High Impact

Factors that may be influencing Water Resource Integrity			Factors that may be influencing Water Resource Integrity		
	Local	Water-shed		Local	Water-shed
<b>Biological</b>			<b>Chemical</b>		
Algae: - Diatoms / Periphyton	N	N	Chlorine	U	U
- Filamentous Algae	PL	PL	Dissolved Oxygen	U	U
- Planktonic Algae	N	N	Nutrients (P, N...)	PL	PL
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	PL	PL
Macrophytes	N	N	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion	PH	PH
			Point Source - Specify:		
<b>Physical</b>			Pasturing of Livestock	N	N
Bank Erosion	PH	PH	Runoff: - Barnyard	N	N
Channelization: - Upstream	PL	PL	- Construction	PL	PL
- Downstream	PL	PL	- Cropland	N	U
Hydraulic Scour / Channel Incision	PH	PH	- Urban	PH	PH
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	U
Low Flow	PL	PL	- Mineral Soils	N	U
Sedimentation	PL	PL	Springs	N	N
Sludge	N	N	Tributary(s)	U	U
Thermal	PH	PH	Wetland	N	N
Turbidity	PH	PH	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Arika Carter</i>	Taxonomist <i>Derrick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>2/10/2018</i>	Specimens Sayed <i>Subsample archived in ABL until May 2021</i>	

*B3-134*

