

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> 20170927-45-03
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<b>Sampling Location</b> riffle downstream of culvert	<b>Database Key</b> 148337508
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<b>SWIMS Station ID</b> 10049224	<b>SWIMS Station Name</b> UNT TO MUD CREEK 10M US W SUNNYVIEW 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> 3	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2	<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> 17.2	<b>D.O. (mg/l)</b> 7.9	<b>D.O. (%sat.)</b> 83.1	<b>pH (su)</b> 8.6	<b>Conductivity (umhos/cm)</b> 188	<b>Transparency (cm)</b> 43
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<b>Water Color</b> <input type="checkbox"/> Clear <input checked="" 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> 0.15	<b>Average Stream Width of reach (m)</b> 3
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 30  
 Sand: 10 Clay: 10 Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 10 Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 40 **Canopy Cover at Sample Site (%)** 80

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Nancy Greider	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 2/9/18	Specimens Saved Subsample archived in DAL under 1 May 2021	

C1-142

