

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> NEENAH SLOUGH	<b>Waterbody ID Code</b> 130800	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20171011-70-03
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<b>Sampling Location</b> 10m VS	<b>Database Key</b> 148337500
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<b>SWIMS Station ID</b> 10048138	<b>SWIMS Station Name</b> NEENAH SLOUGH 10M DS CTH G
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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> LITTLE LAKE BUTTE DES MORTS	<b>County</b> WINNEBAGO
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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> 6	<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: Targeted Watershed Assessment

<b>Water Temp. (C)</b> 12.16	<b>D.O. (mg/l)</b> 8.1	<b>D.O. (%sat.)</b> 97.1	<b>pH (su)</b> 7.9	<b>Conductivity (umhos/cm)</b> .820	<b>Transparency (cm)</b> 62
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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> 0.15	<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): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: 20 Clay: \_\_\_\_\_ Silt/Muck: 30 Overhanging Vegetation: 10  
 Aquatic Macrophytes: 40 Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 100 **Canopy Cover at Sample Site (%)** 0

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Grant Daylioni</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted 13%
Date Processed 2-19-2018	Specimens Saved <i>Subsample archived in FAX until May 2021</i>	

E2 101  
 A2 118  
 219

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	xiii	13	Kluebertanz 2016		
Coenis latipennis	L	iii	3	"		
Enallagma	L	i	1	Westh, May 1996	imm	
Coenagrion/Enallagma	L	-ii	7	Schim. unpubl.	imm	N
Triaenodes melaca	L	i	1	Blower 1996		
Synclita	L	i	1	Solis 2008		
Halipilus	L	ii	2	Hilsenhoft 1995		N
H. borealis	A	iiii	4	Hils, Brigg, 1978		
H. immaculicollis	A	iiii	4	"		
Gammarus pseudolimnaeus	A	x-iii	18	Holsinger 1972		
Idyaella azteca	A	885-1	116	Soucek et al 2015		
Caecidotea racovitzai racovitzai	A	8-iiii	49	Williams 1972		
Belostomatidae	A	i	1	Hilsenhoft 1995	imm	
Stylaria laustris	A	i	1	Hilt, Klemm 1985		
Naidinae	A	i	1	Ersev, Gustav 2002		Y
Quistadrilus multisetosus	A	i	1	Stimp. et al. 1985		
Spirasperma ferox	A	i	1	"		
Tubificoid Naididae w/o capilliform chaetae	A	xiiii	15	Ersev et al 2008		Y
tubificoid Naididae w/ capilliform chaetae	A	ii	2	"		Y
Meereobdella	A	ii	2	Klemm 1985		
Helobdella stagnalis	A	ii	2	"		
Viviparus	A	i	1	Rogers 2016	imm	
Fossarria	A	iiii	4	"		
Physa	A	oii	22	"		
Helisoma anceps	A	ii	2	Burch 1982		
Gyraulus deflectus	A	x-ii	17	"		
Pisidium	A	xii	12	Burch 1972		
<del>Spitzy Chironomidae</del>	L	i	ND			
Climacomyia	L	ii	2	Crain, Epler 2013		
Hydrobaetis	L	i	1	Ander. + 3 2013		
Micronsectra	L	ii	2	Epler et al 2013		
Pro Polypedium (Tripodura) haltereale group	L	ii	2	Bolton 2012		