

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name <u>Mud Creek</u>	Waterbody ID Code <u>129500</u>	Sample ID (YYYYMMDD-CY-FD) <u>20171002-45-03</u>

Sampling Location <u>5m us Bridge</u>	Database Key 149839533
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SWIMS Station ID 10049287	SWIMS Station Name MUD CREEK 5M US FOOT BRIDGE
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) <u>Lower Fox</u>	Watershed Name <u>Fox River - Appleton</u>	County <u>Dodge</u>
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Sample and Site Descriptors	
Sample Collector (Last Name, First) ANDREW HUDAK	Project Name MUD CREEK AND NEENAH SLOUGH TWA 2017

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

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

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Targeted Watershed Assessment

Water Temp. (C) <u>18.4</u>	D.O. (mg/l) <u>6.25</u>	D.O. (% sat.) <u>66.9</u>	pH (su) <u>8.39</u>	Conductivity (umhos/cm) <u>1,001</u>	Transparency (cm) <u>>122</u>
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Water Color <input checked="" type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <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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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) <u>0.2</u>	Average Stream Width of reach (m) <u>3.0</u>
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: 80 Silt/Muck: 20 Overhanging Vegetation: 20
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (Fibrous Roots): 20

Embeddedness of Substrate at Sample Site (%) 100 Canopy Cover at Sample Site (%) 60

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kayle Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>2/14/18</i>	Specimens Saved <i>Subsample archived in ABX until May 2021</i>	

*B2-84
 A3-102*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	1	1	Klubertanz 2016		
Coenagrionidae	L	1	1	West, May 1996	imm	N
Enallagma cyathigerum	L	III	3	"		
Coenagrion/Enallagma	L	35	35	"	imm	N
Polycentropodidae	L	1	1	Hilsenhoff 1985	dam	
Peltodytes edentulus	A	1	1	Hils, Boig, 1978		
Hyaella azteca	A	Brill	49	Saucek et al 2015		
Cranigonyx	A	III	3	Holsinger 1972	fem	
Caecidotea intermedia	A	0-1	26	Williams 1972		
Physa	A	1	1	Rogers 2016		
sp. A3 Chironomidae	L	1	1			
Chironomidae 0825000	L	1	1	Court, Merr. 2008	mt det	N
Chironomidae	L	III	3	Court, Epler 2013		
Matarsia baltimora	L	1	1	Epler 2001		
Metopelopia	L	1	1	Court, Epler 2013		
Zawrelimyia	L	II	2	Silva, Ekren 2015		
Thienemannimyia group	L	1	1	Court, Epler 2013	imm	N
Brillia	L	1	1	Ander. + S 2013	imm	
Corynoneura	L	1	1	"		
Chironominae 0833000	L	1	1	Courston 2013	imm	N
Chironomus	L	5	5	Epler et al 2013		
Dicrotendipes	L	II	2	"		
Micropsectra	L	XI	11	"		
Paratanytarsus	L	-1	6	"	mt det	N
P-sp. A	L	III	9	Hils. unpubl.		
P-sp. B	L	III	5	"		
Paratendipes	L	II	2	Epler et al 2013		
Phanopsectra	L	II	7	"	imm	N
Ph. flavipes	L	III	3	Bolton 2012		
Polypedium (Polypedium) illinoense group	L	1	1	"		
P. (Tropidura) halterale group	L	1	1	"		
Streblochironomus	L	1	1	Epler et al 2013		