

Instructions: **Bold** fields must be completed.

Station Summary		
Waterbody Name MUD CREEK	Waterbody ID Code 129500	Sample ID (YYYYMMDD-CY-FD) 20171002-45-61
Sampling Location 30 m DS		Database Key 148494942

SWIMS Station ID 10011423	SWIMS Station Name MUD CREEK AT SPENCER ST		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER FOX		Watershed Name FOX RIVER - APPLETON	County OUTAGAMIE

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) 3	Estimated Area Sampled (m²) 3	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 16.53	D.O. (mg/l) 8.56	D.O. (% sat.) 86.4	pH (su) 8.26	Conductivity (umhos/cm) 1118	Transparency (cm) 7122
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Water Color <input checked="" type="checkbox"/> Clear <input 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) 0.25	Average Stream Width of reach (m) 8.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 25
 Sand: 15 Clay: 5 Silt/Muck: 5 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 40
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	Local	Water-shed	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	U	U
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	U	U
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	N	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PH
Physical			Point Source - Specify:	N	N
Bank Erosion	PL	PH	Pasturing of Livestock	N	N
Channelization: - Upstream	PH	PH	Runoff: - Barnyard	N	N
- Downstream	U	U	- Construction	U	U
Hydraulic Scour / Channel Incision	PL	PL	- Cropland	N	N
Impoundment: - Upstream	N	N	- Urban	PH	PH
- Downstream	N	N	Septic Systems	U	U
Low Flow	U	U	Tile Drainage - Organic Soils	N	N
Sedimentation	U	U	- Mineral Soils	N	N
Sludge	N	N	Springs	N	N
Thermal	N	N	Tributary(s)	U	U
Turbidity	PL	PL	Wetland	N	N
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kayla Wilcox	D. Mick Jeffrey	100%
Date Processed	Specimens Saved	
2/13/18	Subsample archived in ABL until May 2021	

B1-117
 D1=153

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis flavistriga</i> species complex	L	0-1	26	Kluge & Janz 2016		
<i>Stenocranus</i>	L	0-1	22	"	imm	N
<i>S. interplaudatum</i>	L	x-1	16	"		
Heptageniidae	L	1	1	"	dam	N
Zaetidae	L	1	1	"	dam	N
<i>Cnemidontomyia</i>	L	0-1	42	Hilsenhoff 1995		
<i>Hydropsyche</i>	L	-	5	"	imm	N
<i>H. betteri</i>	L	x-1	11	Schm. Hils. 1986		
<i>Polycentropus</i>	L	"	3	Hilsenhoff 1995		
<i>Dolichotarsus</i>	L	-1	7	Hils. Schmidt 1992	imm	N
<i>D. fastiditus</i>	L	-1	6	"		
<i>Stenelmis</i>	L	0-1	71	"		N
<i>S. crenata</i>	A	"	2	"		
<i>Neurodroma</i>	L	III	4	Court, Merr. 2008		
<i>Simulium venustum</i> species complex	L	1	1	Adler et al 2004		
<i>S. vittatum</i> species complex	L	III	3	"		
<i>S. abnormatum</i>	L	III	3	"		
<i>S. jenningsi</i> species group	L	III	3	"	imm	N
<i>Gammarus pseudolimnoides</i>	A	-	5	Holsinger 1972		
<i>Caecidotea intermedia</i>	A	x-1	11	Williams 1972		
Mermithidae	A	1	1	Poinar 1991		
Dugesiiidae	A	8x	50	Norena et al 2014		
Hydracarina Naididae w/o capilliform chaetoe	A	"	2	Ersev et al 2008		
<i>Pisidium</i>	A	1	1	Burch 1972		
Split to Chironomidae	L	III				
<i>Conchapelopia</i>	L	"	2	Cran, Epler 2013		
<i>Corynoneura</i>	L	-	5	Anders + 3 2013		
<i>Thienemannella</i>	L	"	2	"	dam	
<i>Cryptochironomus</i>	L	III	4	Epler et al 2013		
<i>Microtendipes pedellus</i> group	L	x	10	"		
<i>Paratanytarsus</i>	L	1	1	"	mt indet	
<i>Paratendipes</i>	L	-	5	"		
<i>Phaenosectra punctipes</i> group	L	1	1	Epler 2001	mt indet	
<i>Polypedilum (Polypedilum) silivense</i> group	L	"	2	Balton 2012		
<i>Rheotanytarsus</i>	L	1	1	Epler et al 2013		
<i>Stenochironomus</i>	L	1	1	"		

< 3 taxa, TVAL 52.0