

State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14) Page 1 of 2

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNT + Mud Creek	Waterbody ID Code 5021735	Sample ID (YYYYMMDD-CY-FD) 20171002-45-04
Sampling Location 5 m 07	Database Key 148337520	

SWIMS Station ID 10049223	SWIMS Station Name UNT TO MUD CREEK 10M US W PINE ST
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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) LOWER FOX	Watershed Name FOX RIVER - APPLETON	County OUTAGAMIE
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Sample and Site Descriptors

Sample Collector (Last Name, First) ANDREW HUDAK	Project Name 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

Total Sampling Time (min) 2	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) 15.66	D.O. (mg/l) 6.18	D.O. (% sat.) 62.7	pH (su) 8.11	Conductivity (umhos/cm) 922	Transparency (cm) 788
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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) 0.15	Average Stream Width of reach (m) 2.0
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Composition of Substrate Sampled (Percent):

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

Embeddedness of Substrate at Sample Site (%) 20 **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	
Biological			Chemical		
	Algae: - Diatoms / Periphyton	U	U	Chlorine	U
	- Filamentous Algae	U	U	Dissolved Oxygen	U
	- Planktonic Algae	N	N	Nutrients (P, N...)	U
	Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	U
	Macrophytes	N	N	- Organic (PCBs, pesticides...)	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	N	N
	Bank Erosion	U	U	Runoff: - Barnyard	N
	Channelization: - Upstream	PL	PL	- Construction	U
	- Downstream	PL	PL	- Cropland	N
	Hydraulic Scour / Channel Incision	U	U	- Urban	PL
	Impoundment: - Upstream	N	N	Septic Systems	U
	- Downstream	N	N	Tile Drainage - Organic Soils	N
	Low Flow	U	U	- Mineral Soils	N
	Sedimentation	U	U	Springs	N
	Sludge	N	N	Tributary(s)	N
	Thermal	U	U	Wetland	N
	Turbidity	U	U	Other - Specify:	
	Other - Specify:				

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Kayla Wilcox	Taxonomist	Dimick, Jeffrey	Estimated Percent of Sample Sorted	13%
Date Processed	2/15/18	Specimens Saved	Subsample archived in ABC until May 2021		

A1 = 71

E2 = 115

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	x-	15	Kubertanz 2016		
B. flavistriga species complex	L	I	1	"		
Cheumatopsyche	L	80-III	68	Hilsenhoff 1995		
Hydropsyche betteni	L	x	10	Schum, Hils 1986		
Optiosevus	L	21	21	Hils, Schum 1992	imm	N
O. fastidius L, 11 A, 2	LA	xIII	13	"		
Bezzia/Palomyia	L	I	1	Hilsenhoff 1995		
Simulium vittatum species complex 08110217	L	III	3	Adler et al 2004		
S. fibroplatum	L	III	4	"		
S. jenningsi species group	L	x	15	"	imm	N
S. pilosum	L	III	3	"		
Simulium	P	I	1	"		
Nyalella	A	I	1	Pennak 1978		
Caecidotea intermedia	A	-II	7	Williams 1972		
Megadrili	A	I	1	Benn, Feld 1991		
Physa	A	I	1	Rogers 2016		
Split Az Chironomidae	L	TWA				
Anchapelopia	L	I	1	Gram, Epler 2013		
Brillia	L	I	1	Andr. + 3 2013	imm	
Corynoneura	L	II	2	"		
Thienemannella xena	L	I	1	Bolton 2012		
Tretenna bavarica group	L	I	1	Bode 1983		
Microtendipes pedellus group	L	I	1	Epler et al 2013		
Polypedilum (Polypedilum) illinoense group	L	I	1	Bolton 2012		
Encyrtanytarsus	L	XI	11	Epler et al 2013		

< 3 taxa, TVAC ≤ 2.0