

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 to Mud Creek	Waterbody ID Code 5021372	Sample ID (YYYYMMDD-CY-FD) 20170927-45-05
Sampling Location start station		Database Key 148337528

SWIMS Station ID 10049225	SWIMS Station Name UNT TO MUD CREEK 75M US GRAND CHUTE BOULEVARD
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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) 6	Estimated Area Sampled (m²) 10	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) 18.1	D.O. (mg/l) 7.3	D.O. (%sat.) 77.8	pH (su) 7.9	Conductivity (umhos/cm) 700	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) 0.2	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: 10 Clay: 10 Silt/Muck: _____ Overhanging Vegetation: 80
 Aquatic Macrophytes: _____ 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
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	N	N
- Filamentous Algae	U	U	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:			Sources of Stream Impacts		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	N	N	Runoff: - Barnyard	N	N
Channelization: - Upstream	PL	PL	- Construction	U	U
- Downstream	PL	PL	- Cropland	U	U
Hydraulic Scour / Channel Incision	N	N	- Urban	U	U
Impoundment: - Upstream	N	N	Septic Systems	U	U
- Downstream	N	N	Tile Drainage - Organic Soils	U	U
Low Flow	N	N	- Mineral Soils	U	U
Sedimentation	N	N	Springs	N	N
Sludge	N	N	Tributary(s)	N	N
Thermal	N	N	Wetland	N	N
Turbidity	U	U	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Justin Kowalski	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 33%
Date Processed 2/9/18	Specimens Saved Subsample archived in ABC until May 2021	

B3 C3 B1 E2 E3
 35 29 21 22 21

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Ceratopoda/Enallagma	L	1	1	Schmidt 1991	imm	
Phlebotomus	L	1	1	Hilsenhoff 1995		
Halimulus	L	1	1	"		
Dolichopodidae	L	1	1	"		
Anopheles	L	1	1	"		
Probezzia	L	11	2	"		
Bezzia/Dalmanella	L	1	1	"		
Dobsonomyia	L	1	1	"		
Gammarus pseudolimnoides	A	1	1	Holsinger 1972		
Ceratomyx	A	1	1	"	fem	
Caecidotea racovitzai racovitzai	A	0	20	Williams 1972		
Pedocopida	A	1	1	DeLorme 1991		
tribitoid Naididae w/ capilliform chaetae	A	111	8	Erseus et al 2008		Y
tribitoid Naididae w/ capilliform chaetae	A	1	1	"		Y
Helobdella stagnalis	A	1	1	Klemm 1905		
Fossaria	A	111	3	Brown 1991		
Pseudosuccinea columella	A	1	1	Brown 1992		
Physa	A	0111	23	Reyers 2016		
Gyrinus de Haer	A	1	1	Brown 1992		
Pleuroceridae	A	1	1	Reyers 2016	dam	
Pisidium	A	BBB-111	108	Brown 1972		
Sphaerium	A	1	1	"		
Spitzya chironomidae	L	1111				
Clinotanytus	L	x-111	18	Cran, Epler 2013		
Meropeleia	L	1	1	"		
Procladius	L	11	2	"	int. det / imm	N
P. (Holtanytus)	L	1	1	"		
Procladius olivaceus	L	1	1	Saath, Ander 2013a		
Orthocladinae 0830000	L	1	1	Cranston 2013	imm	N
Parakiefferiella	L	1	1	Ander + 3 2013		
Rhencroterus s. VA	L	1	1	Epler 2001		
Chironomidae 0830000	L	1	6	Cranston 2013	imm	N
Chironomus (Isocladius) sylvestris group	L	1	1	Ander + 3 2013		
Cladotanytarsus	L	1	1	Epler et al 2013		
Chironomus	L	x-1	16	"		
Dicrotendipes	L	x1	11	"		

