

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 CMT Mud Creek	Waterbody ID Code 129600	Sample ID (YYYYMMDD-CY-FD) 20171002-45-05
Sampling Location 10 m US		Database Key 148494979

SWIMS Station ID 10049239	SWIMS Station Name UNT TO MUD CREEK 30M US WEST PROSPECT AVE
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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) 35	Estimated Area Sampled (m²) 6	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) 14.35	D.O. (mg/l) 6.78	D.O. (%sat.) 69.6	pH (su) 8.10	Conductivity (umhos/cm) 293	Transparency (cm) 56
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Water Color <input 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) 0.3	Average Stream Width of reach (m) 5.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 40
 Sand: 20 Clay: 16 Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 20
 Canopy Cover at Sample Site (%) 80

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)		N	N
Macrophytes		N	N	- Organic (PCBs, pesticides...)		U	U
Slimes		N	N	Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		PH	PH
Physical				Point Source - Specify:		N	N
Bank Erosion		PL	PH	Pasturing of Livestock		N	N
Channelization: - Upstream		U	U	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 <i>Erika Carter</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted 60% <i>67%</i>
Date Processed <i>2/15/18</i>	Specimens Saved <i>Subsample archived in ABC until May 2021</i>	

*E2-14
 A2-25
 7 Squares - 70*

A3-30

139

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Caenis	L	I	1	Kluberhanz 2016	dam	
Stenacron	L	I	1	"	imm	N
S. inter punctatum	L	xIII	13	"		
Polycentropus	L	III	5	Williams 1996		
Calibaetis	L	I	1	Kluberhanz 2016		
Dubiraphia	L	III	4	Hils. Schm. 1992		
D. fastidius	L	III	4	"	imm	N
D. fastidius	L	-	5	"		
Hydropsychidae	L	I	1	Hilsenhoff 1985	imm	
Prohezia	L	I	1	"		
Mallochobolea	L	III	3	"		
Hemadromia	L	I	1	Court. Merr. 2008		
Pilaria	L	-I	6	Hilsenhoff 1985		
Simulium fibrinatum	L	I	1	Adler et al 2004		
Gammarus pseudolimnaeus	A	II	2	Holsinger 1972		
Crangonyx	A	xII	12	"	fem	
Caeridacea intermedia	A	xI	11	Williams 1972		
Procladius rusticus	A	I	1	Hobbs, Jass 1988		
Branchiobdellida	A	I	1	Brin. Op Id. 1991		
Enchytraeidae	A	III	4	"		
Naididae	A	III	3	Ersev, Gustav. 2002		
Branchiura sowerbyi	A	-III	8	Stamp et al. 1985		
Limnodrilus v. detemianus	A	III	4	"		
Tubificoid Naididae w/ capilliform chaetae	A	BBx	90	Ersev et al 2008		Y
tubificoid Naididae w/ capilliform chaetae	A	BB-	75	"		N
split to Chironomidae	L	I-III				
Corynoneura	L	x-I	16	Ander + 3 2013		
Conchopora	L	I	1	Coan, Epler 2013		
Natansia baltimora	L	III	3	Epler 2001		
Zarelimyia	L	-III	9	Silver, Ekrem 2015		
Chaetocladius	L	I	1	Ander + 3 2013		
Eukretella clavigeris group	L	I	1	"		
Hydrobaenus	L	I	1	"		
Nanocladius (Nanocladius) spiniferus	L	I	1	Epler 2001		
Chironominae 08330000	L	II	2	Christon 2013	not indet imm	N
Cryptochironomus	L	II	2	Epler et al 2013		

