

**Wadeable Macroinvertebrate
Field Data Report**

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary

Waterbody Name UNT to Mud Creek	Waterbody ID Code 129600	Sample ID (YYYYMMDD-CY-FD) 20171002-45-06
Sampling Location 50 m ds		Database Key 148494975

SWIMS Station ID 10049238	SWIMS Station Name UNT TO MUD CREEK 10M 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) 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) 17.7	D.O. (mg/l) 7.71	D.O. (% sat.) 83.1	pH (su) 8.11	Conductivity (umhos/cm) 1225	Transparency (cm) 58
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Water Color ☐ Clear ☒ Turbid ☐ Stained	Estimated Stream Velocity (m/s) ☒ Slow (< 0.15 m/s) ☐ Moderate (0.15 m/s - 0.5 m/s) ☐ 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) 3.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 20	Gravel (ladybug to tennisball): 1
Sand: _____	Clay: 30	Silt/Muck: 30	Overhanging Vegetation: 20
Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other ():: _____			

Embeddedness of Substrate at Sample Site (%) 10	Canopy Cover at Sample Site (%) 0
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Rusty crawfish

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	U	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PH	PH
			Point Source - Specify:	N	N
			Pasturing of Livestock	N	N
			Runoff: - Barnyard	N	N
			- Construction	U	U
			- Cropland	N	N
			- Urban	PH	PH
			Septic Systems	U	U
			Tile Drainage - Organic Soils	N	N
			- Mineral Soils	N	N
			Springs	N	N
			Tributary(s)	U	U
			Wetland	N	N
			Other - Specify:		
Physical					
Bank Erosion	PL	PH			
Channelization: - Upstream	U	U			
- Downstream	U	U			
Hydraulic Scour / Channel Incision	PL	PL			
Impoundment: - Upstream	N	N			
- Downstream	N	N			
Low Flow	U	U			
Sedimentation	U	U			
Sludge	N	N			
Thermal	N	N			
Turbidity	PL	PL			
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Justin Kowalski	Taxonomist	Dimick Jeffrey	Estimated Percent of Sample Sorted	13%
Date Processed	2-16-18	Specimens Saved	Subsample archived in ABC until May 2021		

D3 C2
79 93

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	x-III	18	Kluge et al 2016	imm	
Cosmagenia/Enallagma	L	II	2	Schm. unpubl.	imm	
Stenelmis crenata	A	I	1	Hils. Schm. 1992		
Anopheles	L	II	2	Hilsenrath 1995		
Gammarus pseudolimnoides	A	I	6	Holsinger 1972		
Crangonyx pseudogracilis complex	A	I	1	"		
Caecidotea intermedia	A	0-III	28	Williams 1972		
Collicoides	L	I	1	Hilsenrath 1995		
Oreonectes rusticus	A	0	2	Hobbs, Jass 1988		
Cerixidae	A	II	2	Hilsenrath 1995	imm	N
Palmarixia buenoi	A	I	1	Hilsenrath 1995a		
Sigara grossolineata	A	III	4	"		
Cyclopidae	A	III	3	Williamson 1991		
Daphniidae	A	0-III	29	Dods, Frey 1991		
Entomobryomorpha	A	I	1	Christ, Srid. 2008		
Branchiohelleida	A	II	2	Brink, Cold. 1991		
Enchytraeidae	A	I	1	"		
Dero	A	I	1	Hiltz, Klemm 1985		
Naididae	A	x-III	8	Brink, Cold. 1991		
Tubificoid Naididae w/ capilliform chaetae	A	II	7	Ersev et al 2008		Y
tubificoid Naididae w/ capilliform chaetae	A	x	10	"		Y
Pseudosuccinea columella	A	I	1	Burch 1982		
Helisoma anceps	A	II	2	"		
Clinotanytus	L	II	2	Cran, Epler 2013		
Zaurelimyia	L	xI	11	"		
Limnephys	L	I	1	Ander. +3 2013		
Cricotopus	L	I	1	"		
Chironomus	L	-III	9	Epler et al 2013		
Glyptotendipes	L	I	1	"		
Micronsectra	L	-	5	"		
Microtendipes pedellus group	L	III	3	"		
Paratanytarsus sp. A	L	-	5	Hils. unpubl.		
Paratendipes	L	I	1	Epler et al 2013		
Polypodilum (Polypodilum) illinoense group	L	I	1	Spalten 2012		
Stictochironomus	L	88 III	84	Epler et al 2013		
Tanytarsus	L	I	1	"		