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)

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
NEENAH SLOUGH	130800	20171011-70-05

Sampling Location	**Database Key**
	148494946

SWIMS Station ID	**SWIMS Station Name**
10011360	NEENAH SLOUGH - NEENAH SLOUGH - CECIL ST

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
		SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER FOX	LITTLE LAKE BUTTE DES MORTS	WINNEBAGO

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	MUD CREEK AND NEENAH SLOUGH TWA 2017

Sampling Device

- [X] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [ ] Riffle
- [X] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.** ___ **of** ___
6	4	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [ ] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
12.7	5.8	55.3	7.8	.569	38

Water Color

- [ ] Clear
- [X] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [X] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [ ] Fast (> 0.5 m/s)

Measured Velocity circle units m/s **or** f/s	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	0.3	10

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): _____

Sand: _____ Clay: _____ Silt/Muck: 20 Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 50 **Canopy Cover at Sample Site (%)** 0

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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
Biological		
Algae: - Diatoms / Periphyton	U	U
- Filamentous Algae	U	U
- Planktonic Algae	U	U
Iron Bacteria	N	N
Macrophytes	U	U
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	N	U
Channelization: - Upstream	PH	PH
- Dow nstream	PH	PH
Hydraulic Scour / Channel Incision	U	U
Impoundment: - Upstream	N	N
- Dow nstream	N	N
Low Flow	N	N
Sedimentation	~~N~~ U	U
Sludge	~~N~~ N	N
Thermal	N	N
Turbidity	PH	PH
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	U	U
Dissolved Oxygen	U	U
Nutrients (P, N...)	PH	PH
Toxics: - Inorganic (Metals)	PL	PL
- Organic (PCBs, pesticides...)	U	U
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	U	U
Point Source - Specify:	U	U
Pasturing of Livestock	N	N
Runoff: - Barnyard	N	N
- Construction	N	U
- Cropland	N	U
- Urban	PL	PL
Septic Systems	U	U
Tile Drainage - Organic Soils	N	~~N~~
- Mineral Soils	N	~~N~~
Springs	N	N
Tributary(s)	N	N
Wetland	N	N
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Justin Kowalski	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 20%
Date Processed: 2-21-18	Specimens Saved: Subsample archived in ABL until May 2021	

E2 D1 B3 C3
43 62 121

Wisconsin Department of Natural Resources
ABL SampleNum: **20171011-70-05**
Taxonomist: Dimick, Jeffrey

Waterbody: **Neenah Slough**
SWIMS Database Key: **148494946**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	I	1	Kluberdanz 2016		
Stenacron interpunctatum	L	II	2	"		
Coenagrion/Enallagma	L	IIII	4	Schm. unpubl	imm	
Hydroptila	L	~~IIII~~	5	Hilsenhoff 1995		
Haliplus	L	I	1	"		N
H. borealis	A	I	1	Hilsenhoff & Brigham 1978		
Tanypodinae 08270001	P	I	1	Ferr. et al 2008	dam	
Cricotopus (Cricotopus)	P	I	1	Coff. et al 1966		
Dicrotendipes	P	I	1	Ferr. et al 2008		
Paratanytarsus	P	III	3	"		
Gammarus pseudolimnaeus	A	88II	122	Holsinger 1972		
Hyalella azteca	A	XII	12	Soucek et al 2015		
Caecidotea intermedia	A	X	10	Williams 1972		
Naidinae	A	II	2	Erseus, Gustav. 2002		
Tubificoid Naididae w/o capilliform chaetae	A	I	1	Erseus et al 2008		Y
Tubificoid Naididae w/ capilliform chaetae	A	~I	6	"		Y
Physa	A	II	2	Rogers 2016		
Sphaerium	A	I	1	Burch 1972		
~~splits Chironomidae~~	~~L~~	~~II~~ [illegible]				
Conchapelopia	L	I	1	Cran. Epler 2013		
Procladius	L	I	1	"	imm	
Ablabesmyia (Karelia) peleensis	L	I	1	Epler 2001		
Brillia	L	I	1	Ander. +3 2013		
Corynoneura	L	I	1	"		
Thienemanniella xena	L	II	2	Bolton 2012		
Nanocladius	L	I	1	Ander. +3 2013	imm	
Cricotopus/Orthocladius	L	I	1	Ferr. et al. 2008		
Cricotopus (Cricotopus) bicinctus group	L	XI	11	Ander. +3 2013		
Chironominae 08330000	L	III	3	Cranston 2013	mt indet	N
Dicrotendipes	L	8III	23	Epler et al 2013		
Micropsectra	L	~I	6	"		
Paratanytarsus	L	~	5	"	mt indet	N
P. sp. B	L	X	10	Hilsenhoff unpubl.		
Paratendipes	L	I	1	Epler et al 2013		
Parachironomus	L	I	1	"		
Polypedilum	L	I	1	"	mt indet	N

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Polypedilum (Polypedilum) illinoense group	L	II	2	Bolton 2012		
P. (Tripodura) halterale group	L	I	1	"		
Pseudochironomus	L	III	3	Epler et al 2013		
Stenochironomus	L	I	1	"		
Tanytarsus	L	VI	6	"		