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)**
UNNAMED TRIBUTARY TO POKEGAMA BAY	2844200	20171013-16-05

Sampling Location	**Database Key**
35 m DS STH 105 CULVERT OUTFALL	149840248

SWIMS Station ID	**SWIMS Station Name**
10049172	UNNAMED TRIBUTARY TO POKEGAMA BAY 182M DS OF STH 105

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
46.66652	-92.13254	SWIMS SWDV (GPS)	(WGS84) or NAD83

Basin (WMU)	**Watershed Name**	**County**
LAKE SUPERIOR	ST. LOUIS AND LOWER NEMADJI RIVER	DOUGLAS

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CRAIG P ROESLER, CHANG VANG	NORTHERN DISTRICT TWA 2017

Sampling Device

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

Habitat Sampled

- [X] Riffle
- [ ] 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.**
2	2	3	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [X] 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)**
10.2	10.8	98	7.7	142	27

Water Color

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

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [X] 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)**
	0.25	2

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 90 Gravel (ladybug to tennisball): 10

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

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

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

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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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Dow nstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Dow nstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Macgilla Cain	Dimick, Jeffrey	27%
Date Processed	**Specimens Saved**	
1/12/13	Subsample archived in ABL until Apr 2021	

BI 19
AI 38
CI 41
DI 32

Wisconsin Department of Natural Resources
ABL SampleNum: **20171013-16-05**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary to Pokegama River**
SWIMS Database Key: **149840248**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	-III	8	Wilsenhoff 1995		
Baetis bicaudatus	L	-III	8	Klubertanz 2016		
B. flavistriga species complex	L	I	1	"		
Acerpenna	L	IIII	4	"	dam	N
A. macdunnoughi	L	III	3	"		
Caenis	L	II	2	"	imm	N
C. latipennis	L	-	5	"		
Stenacron	L	I	1	"	imm	N
S. interpunctatum	L	IIII	4	"		
Stenonema femoratum	L	I	1	"		
Leptophlebiidae	L	SUB III	2	"	dam	N
Paraleptophlebia cupida	L	HH II	7	"		
4/6 Glossosoma intermedium	L	-I	6	Wiggins, Morse 2009		
Cheumatopsyche	L	-II	12	Wilsenhoff 1995		
Hydropsyche betteni	L	-IIII	9	Schm., Wils. 1986		
Ceratopsyche slossonae	L	II	2	"		
2/7 C. sparna	L	I	1	"		
Limnephilidae	L	I	1	Wilsenhoff 1995		
Dubiraphia quadrinotata	A	II	2	Wils., Schm. 1992		
D. vittata	A	I	1	"		
Optioservus	L	XII	12	"	imm	N
O. fastidiosus L, 25 A, 5	L, A	XX	30	"		
Pericoma	L	I	1	Wilsenhoff 1995		
Simulium tuberosum species Group	L	III	3	Adler et al 2004		
S. vittatum species complex 08110217	L	III	3	"		
Chrysops	L	I	1	Wilsenhoff 1995		
Hygrobates	A	I	1	Pluchino 1980		
Cyclopidae	A	I	1	Williamson 1991		
Natarsia baltimorea	L	I	1	Epler 2001		
Meropelopia	L	I	1	Crea., Epler 2013		
Cardiocladius obscurus	L	I	1	Epler 2001		
Eukiefferiella claripennis Group	L	I	1	Ander. et al 2013		
Parametriocnemus	L	I	1	"		
Polypedilum (Uresipedilum) aviceps	L	I	1	Bolton 2012		
Tanytarsus	L	I	1	Epler et al 2013		

< 3 taxa, TVAL ≤ 2.0