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 R.	2844400	20171013-16-03

Sampling Location	**Database Key**
20 m DS IRONDALE RD	149840370

SWIMS Station ID	**SWIMS Station Name**
10049173	UNNAMED TRIBUTARY TO POKEGAMA R. 3M US IRONDALE RD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
46.60516	92.18636	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.** / **of**
1.5	1.5	3	1 / 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)**
10.0	9.5	86	7.4	114	24

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)**

Composition of Substrate Sampled (Percent):

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

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

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

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 30

State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

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	Watershed
Biological		
Algae: - Diatoms / Periphyton		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Downstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Downstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Grant Gagliano	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
12-15-17	Subsample archived in ABL until Apr 2021	

C2 37
C1 82
E3 72
191

Wisconsin Department of Natural Resources
ABL SampleNum: **20171013-16-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed tributary to Pokegama River**
SWIMS Database Key: **149840370**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Alloranyia	L	88+	101	Hilsenhoff 1995		
Paracapnia angulata	L	1	1	Nitchack 1974		
Perlesta	L	1	1	Hilsenhoff 1995		
Baetis brunneicolor	L	1	1	Kluherstein 2016		
Acerpenna	L	11	2	"	dam	N
A. macdunnoughi	L	x1	11	"		
Caenis	L	1	1	"		
Leptophlebia	L	11	2	"	imm	N
L. cupida	L	88x	95	"		
Glossosoma	P	1	1	Wiggi, Corr. 2008		
Hydropsychidae	L	1	1	Hilsenhoff 1995	imm	N
Cheumatopsyche	L	5-1111	40	"		
Hydropsyche betteni	L	x1	11	Schm, Hils. 1988		
Limnephilidae	L	—	5	Hilsenhoff 1995	imm	
Helichus striatus	A	1	1	Hils, Schm. 1992		
Optioservus fastiditus	A	11	2	"		
Nemerodromia	L	1111	4	Court, Mesr. 2008		
Simulium	L	1	1	Adler et al 2004		
Dicranota	L	1	1	Hilsenhoff 1995		
Corynoneura	P	1	1	Fess et al. 2008		
Tubificoid Naididae w/o capilliform chaetae	A	11	2	Brinkhurst 1971	Erseus et al 2008	
Erpobdellidae	A	1	1	Klemm 1985	Davies 1991	imm
Laevapex fuscus	A	1	1	Burch 1982		
Fossaria	A	1	1	"		
Naicinae	A	1	1	Erseus, Gust. 2002		
Conchapelopia	L	1	1	Coon, Epler 2013		
Diplocladius	L	1	1	Andersen 2013		
Limnophyes	L	1	1	"		
Paramerinocnemus	L	-111	8	"		
Tvetenia bavarica group	L	1	1	Bode 1983		
orthocladius (Euorthocladius) rivicola	L	1	1	Epler 2001		
Paratanytarsus sp A	L	11	2	Hilsenhoff unpubl		
Phaenopsectra flavipes	L	1	1	Bolden 2012		
Polypedilum (Uresipedilum) aviceps	L	11	2	"		
Rheotanytarsus	L	1	1	Epler et al 2013		
Tanytarsus	L	-111	8	"		