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)**
WATERCRESS CREEK	39000	20181101-60-01

Sampling Location: Riffle #505

Database Key: 168904987

SWIMS Station ID: 10008873

SWIMS Station Name: WATERCRESS CREEK - UPSTREAM OF WATERCRESS ROAD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.7172	88.1307	SWIMS (SWDV) GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
MILWAUKEE RIVER	EAST AND WEST BRANCHES MILWAUKEE R	SHEBOYGAN

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CRAIG HELKER	SER LONG-TERM TREND WADEABLE REFERENCE STREAMS

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	1		

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [ ] Other: Long-term trend

* **Water Temp. (C)**	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**

Water Color

- [x] Clear
- [ ] 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)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
0.10 m/s **or** f/s	.4	3

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 40

Sand: 30 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 50 **Canopy Cover at Sample Site (%)** 40

Thermistor 9899414 returned 11/01/2018

* Hydrolab failed

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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		
- 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	Water-shed
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
Kiersten Czarnecki	Dimick, Jeffrey	13%
Date Processed	**Specimens Saved**	
10/22/2019	Subsample archived in DBL until Jan 2023	

A1: 72
C2: 60 > 132

Wisconsin Department of Natural Resources
ABL SampleNum: **20181101-60-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Watercress Creek**
SWIMS Database Key: **168904987**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	I	1	Klub 2016		
Glossosoma intermedium	L	IIII	4	WymMar 2000		
Cheumatopsyche	L	IIII	2	Hils 1995		
Ceratopsyche slossonae	L	I	1	SchmHils 1986		
Lepidostoma	L	-	5	Hils 1995		
Molanna	L	I	1	"	imm	
Sialis	L	II	2	"		
Optioservus	L	x-IIII	18	Hils Schm 1992	imm	N
O. fastidiosus L, 45 A, 4	L,A	8-IIII	49	"		
Gammarus pseudolimnaeus	A	8-III	28	Nols 1972		
Caecidotea intermedia	A	-II	7	Will 1972		
Tubificinae (with hairs)	A	I	1	Klemm 1985		
Physa	A	-III	8	ThorpRog 2016		
Pisidium	A	x-I	16	Mackie 2007		
Orthocladius (Orthocladius)	L	I	1	And+3 2013		
Cladotanytarsus	L	I	1	Epl et al 2013		
Microspectra	L	I	1	"		
Paratanytarsus	L	I	1	"	mt indet	
Paratendipes	L	III	3	"		
Polypedilum (Tripodura) scalaenum group	L	I	1	Bolton 2012		
P. (Uresipedilum) aviceps	L	II	2	"		