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)**
LITTLE CEDAR CREEK	23400	20191022-67-02

Sampling Location: DS Western Avenue

Database Key: 220742867

SWIMS Station ID	**SWIMS Station Name**
10039497	UNNAMED TRIB OF CEDAR CREEK AT WESTERN AVE

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.294	-88.160	SWIMS SWDV (GPS)	(WGS84) or NAD83

Basin (WMU)	**Watershed Name**	**County**
MILWAUKEE RIVER	CEDAR CREEK	WASHINGTON

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CRAIG HELKER	MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRA1

Sampling Device

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

Habitat Sampled

- [ ] Riffle
- [ ] Run
- [ ] Pool
- [ ] Other
- [X] 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** ____
3	3		

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
9.75	8.48	76.5		856.7	80

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 m/s **or** f/s)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	1.0	7

Composition of Substrate Sampled (Percent):

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

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 50

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: 50 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 100 **Canopy Cover at Sample Site (%)** 70

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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
Eric Naas	Dimick, Jeffrey	100%
Date Processed	**Specimens Saved**	
10/8/2020	Subsample archived in ABL until Aug 2023	

E2 C1 D2 A1 E1 D3 A2 B1 B3
18 10 20 18 10 16 12 19 8 = 131

Wisconsin Department of Natural Resources
ABL SampleNum: **20191022-67-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Little Cedar Creek**
SWIMS Database Key: **220742867**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Stenacron interpunctatum	L	III	3	Klch 2016		
Calopteryx maculata	L	III	3	West May 2006		
Enallagma	L	I	1	"	imm	
Cheumatopsyche	L	II	2	MerCommB 2019		
Hydropsyche betteni	L	III	3	Schm Hils 1986		
Lidessus affinis	A	I	1	Hils 1994		
Dubiraphia quadrinotata	A	I	1	Hils Schm 1992		
Macronychus glabratus	L	I	1	"		
Hemerodromia	L	I	1	MerCommB 2019		
Simulium vittatum species complex 08110217	L	III	3	Adl et al 2004		
Tubificinae (without hairs)	A	IIII	4	Klemm 1985		
Helobdella	A	I	1	Thorp Rgs 2016		
Gammarus pseudolimnaeus	A	8×1	56	Hols 1972		
Caecidotea intermedia	A	or	25	Will 1972		
Fossaria	A	II	2	Brown 1991		
Physa	A	-II	7	Thorp Rgs 2016		
Hydrobiidae not P. antipodarum	A	II	2	Brown 1991		
~~Split A2 Chironomidae~~	~~L~~	~~XIIIJJJ~~				
Rheotanytarsus	L	X-III	20	Epl et al 2013		
Procladius (Holotanypus)	L	I	1	com Epl 2013		
Orthocladius (Orthocladius)	L	I	1	And+3 2013		
Parakiefferiella	L	I	1	"		
Thienemanniella xena	L	II	2	Bolton 2012		
Micropsectra	L	I	1	Epl et al 2013		
Paratanytarsus	L	II	2	"	not indet/ immat	N
P. species A	L	-I	6	Hils unpubl		
Polypedilum (Polypedilum) illinoense group	L	IIII	4	Bolton 2012		

<23 taxa, TVAL ≤ 2.0