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	23900	20191010-67-05

Sampling Location	**Database Key**
DS of STH 60	220742863

SWIMS Station ID	**SWIMS Station Name**
10044254	UNNAMED TRIB (WBIC=23900) TO CEDAR CREEK AT HWY 60

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.3241	88.1746	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

- [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
- [X] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
17.33	8.46	89.4		638.9	+120

Water Color

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

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [X] 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)**
0.6	m/s **or** (f/s)	.3	4

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 100* Gravel (ladybug to tennisball): _____

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

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

Embeddedness of Substrate at Sample Site (%) 60 **Canopy Cover at Sample Site (%)** 50

*Bricks and concrete chunks

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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	27%
Date Processed	**Specimens Saved**	
6/2/2020	Subsample archived in ABL cooler Aug 2023	

A3, B3, A2, D1, ~~E2, D2, D3, E3, C2~~
60 24 22 47 = 153

Wisconsin Department of Natural Resources
ABL SampleNum: **20191010-67-05**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary (23900) to Cedar Creek**
SWIMS Database Key: **220742863**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	I	1	Klem 2016	dam	
Stenacron	L	X-I	16	"	imm	
S. interpunctatum	L	III	3	"		
Caloperyx maculata	L	II	2	West May 2006		
Coenagrionidae (Coenag/Enallag)	L	-I	6	"	imm	
Helicopsyche borealis	L	-I	6	Hrbs 1995		
Cheumatopsyche	L	BIII	43	MerrGumm B 2019		
Hydropsyche betteni	L	-III	8	SchmHrbs 19 Blo		
Hydroptila	L	II	2	MerrGumm B 2019		
Mystacides	L	I	1	"	imm	
Elophila	L	I	1	"		
Ochiraphia	L	X-	15	Hrbs Schm 1992	dam	N
O. vittata	A	III	3	"		
Optioservus	L	II	2	"	imm	
Stenelmis	L	X-III	20	"		N
S. crenata	A	IIII	4	"		
Ectopria leechi/nervosa	L	I	1	"		
Nemocdromia	L	-IIII	9	MerrGumm B 2019		
Simulium vittatum species complex 08110217	L	-II	7	Adler et al 2004		
Pilaria	L	I	1	MerrGumm B 2019		
Oecicotea intermedia	A	0	20	Will 1972		
Dugesiidae	A	I	1	Thorp Rog 2016		
Prostoma = Hoplonemertea = Nemertea	A	I	1	"		
Helobdella	A	I	1	"		
Erpobdellidae	A	II	2	"	dam	
Tubificinae (with hairs)	A	I	1	Klemm 1985		Y
Tubificinae (without hairs)	A	X-I	16	"		Y
Hydrobiidae	A	III	3	Brown 1991		
~~Split A2 Chironomidae~~	~~L~~	~~B-II=III~~				
Cryptochironomus	L	I	1	Epl et al 2013		
Conchapelopia 08270700	L	II	2	ConnEpl 2013		
Pentaneura inconspicua	L	I	1	Bolton 2012		
Cricotopus (Cricotopus) bicinctus group	L	I	1	Andt 3 2013		
Chironominae 08300000	L	I	1	Cranston 2013	imm	N
Paralauterborniella nigrohalteralis	L	II	2	Epl et al 2013		
Paratendipes	L	I	1	"		
Polypedilum (Polypedilum) illinoense group	L	II	2	Bolton 2012		

<3 taxa, TVAL ≤ 2.0

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Polypedilum (Tripodura) scalaenum group	L	II	2	Bolton 2012		
P. (Uresipedilum) flavum	L	0-III	29	"		
Micropsectra	L	I	1	Epler et al 2013		
Rheotanytarsus	L	IIII	4	"		