State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.w i.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)**
CADY CREEK	2058000	20161018-48-01

Sampling Location	**Database Key**
under bridge, DS side	133642268

SWIMS Station ID	**SWIMS Station Name**
10009648	CADY CREEK 1- CTH P

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.79041	-92.14351	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER CHIPPEWA	EAU GALLE RIVER	PIERCE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Raleigh, Mycal	WCR LONG-TERM TREND WADEABLE REFERENCE STREAMS

Sampling Device

- [X] 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 min	1.5 m^2	1	1 of 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
~~12.2 C 54 F~~ 12.2					

Water Color

- [ ] Clear
- [X] 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 m/s or f/s)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	.4	6

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 40

Sand: 20 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 (%)** 40

State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.w i.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	Water-shed
Biological		
Algae: - Diatoms / Periphyton		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Dow nstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Dow nstream		
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
Taylor Hasz	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
8-23-17	Subsample archived in ABL until Nov. 2020	

E3 151

Wisconsin Department of Natural Resources
ABL SampleNum: **20161018-48-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Cady Creek**
SWIMS Database Key: **133642268**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Isoperla signata	L	IIII	4	Hilsenhoff 1982		
Baetis tricaudatus	L	IIII	4	Kilbertanz 2016		
B. flavistriga species complex	L	II	2	"		
Ephemerella	L	-III	9	"	imm	N
E. excrucians	L	-III	8	"		
Brachycentrus occidentalis	L	I	1	Hilsenhoff 1985		
Glossosoma intermedium	L	II	2	Wiggins, Morse 2000		
Cheumatopsyche	L	X-IIII	19	Hilsenhoff 1995		
Ceratopsyche athecra	L	-II	7	Schm., Hils. 1986		
C. slossonae	L	5 II	32	"		
Optioservus	L	III	22	Hils., Schm. 1992	imm	N
O. fastiditus L, 9 A, 1	L,A	X	10	"		
Nemerodromia	L	III	4	Coud., Merr. 2008		
Simulium	P	I	1	Adler et al 2004	dam	
Antocha	L	III	3	Hilsenhoff 1995		
Dicranota	L	IIII	4	"		
Gammarus pseudolimnaeus	A	-	5	Nelsinger 1972		
Hygrobates	A	XI	11	Pluching 1984		
Sperchonopsis	A	III	3	"		
Naidinae	A	I	1	Brin, Cook 1991		
Diamesa	L	I	1	Saeth., Ander. 2013		
Orthocladinae	L	I	1	Cranston 2013	imm	Y
Parakiefferiella	L	I	1	Ander+3 2013		
chironominae unkeyed. DELT? var?	L	I	1	Cranston 2013		Y
Cryptochironomus	L	I	1	Epler et al 2013		
Dicrotendipes	L	I	1	"		
Microtendipes pedellus group	L	I	1	"		
Polypedilum (Uresipedilum) aviceps	L	I	1	Bolton 2012		
Rheotanytarsus	L	-I	6	Epler et al 2013		