

North Branch of Cedar Creek @ Hwy NN Station # 10022038

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

1 of 1
20181029- 67-02
Rachel Sabre

Wadeable Macroinvertebrate
Field Data Report
Form 3200-081 (R 8/14) Page 1 of 2

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name NORTH BRANCH CEDAR CREEK	Waterbody ID Code 22500	Sample ID (YYYYMMDD-CY-FD) 20181029-6702
Sampling Location		Database Key 169406816

SWIMS Station ID 10022038	SWIMS Station Name NORTH BRANCH CEDAR CREEK - UPSTREAM OF CTHY NN		
Latitude 43.362175	Longitude -88.06961	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) MILWAUKEE RIVER		Watershed Name CEDAR CREEK	County WASHINGTON

Sample and Site Descriptors

Sample Collector (Last Name, First) RACHEL SABRE	Project Name SER LONG-TERM TREND WADEABLE REFERENCE STREAM
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Sampling Device

☒ D-Frame Kick Net	☐ Surber Sampler	☐ Eckman
☐ Ponar	☐ Artificial Substrate	☐ Hess Sampler ☐ Other: _____

Habitat Sampled

☐ Riffle	☒ Run	☐ Pool
☐ Other	☐ Shoreline Composite	☐ Proportionally-Sampled Habitat
☐ Littoral Zone	☐ Profundal Zone	☐ Wetland

Total Sampling Time (min) 1 min	Estimated Area Sampled (m ²) 1 m ²	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

☐ Least Impacted Reference	☐ Baseline	☐ Impact / Treatment Site
☐ Control Site	☒ Trend	☐ Other: _____

Water Temp. (C) 8.45	D.O. (mg/l) 13.46	D.O. (% sat.) 117.7	pH (su) 7.30	Conductivity (umhos/cm) 843.5	Transparency (cm) 120
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Water Color ☐ Clear ☐ Turbid ☒ Stained	Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☒ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.15	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): <u>20</u>
Sand: <u>80</u>	Clay: _____	Silt/Muck: <u>20</u>	Overhanging Vegetation: <u>830</u>
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: <u>10</u>	Other (): _____

Embeddedness of Substrate at Sample Site (%) <u>30%</u>	Canopy Cover at Sample Site (%) <u>15%</u>
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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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
Biological				Chemical			
Algae: - Diatoms / Periphyton				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Logan Cutler</i>	Taxonomist <i>Dimick Jeffery</i>	Estimated Percent of Sample Sorted <i>27%</i>
Date Processed <i>10/30/19</i>	Specimens Saved <i>45 + 27 + 79 = 151</i>	

BZ EI A1/D3 Total
2.5hr 1hr

Subsample archived in ABC until Jan 2023

Wisconsin Department of Natural Resources

ABL SampleNum: 20181029-67-02

Taxonomist: Dimick, Jeffrey

Waterbody: North Branch Cedar Creek

SWIMS Database Key: 169406816

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna	L	III	3	Klub Zelle	dam	N
A. pygmaea	L	I	6	"		
Labidocera frondalis	L	I	1	"		
L. propinqua	L	I	1	"		
Oenais	L	II	2	"	imm	
Stenacron interperetatum	L	II	2	"		
Calopteryx aquabilis	L	I	1	West May 1990		
C. maculata	L	I	1	"		
Belostoma flumineum	L	I	1	Hils 1984a		
Helicopsyche borealis	L	II	2	Hils 1985		
Cheumatopsyche	L	I	1	"		
Hydrophila	L	I	1	"		
Mystacides	L	I	1	"	imm	
Platycentropus	L	II	2	"		
Dubiraphia	L	I	1	Hils Schm 1992		N
D. quadrimaculata	A	I	1	"		
Simulium vittatum species complex 08110217	L	II	7	Adl et al 2004		
Orthocladinae 08300001	P	II	2	Ferr et al 2008	dam	N
Hyalella azteca	A	8000	63	Sorek et al 2015		
Caecidotea intermedia	A	III	8	Witt 1972		
Cyclopidae	A	8	45	Thorp Reg 2016		
Daphniidae	A	X-III	19	"		
Poecopoda	A	I	1	"		
Naidinae	A	III	3	Brinkley 1991		
Laesopex fuscus	A	I	2	Thorp Reg 2016		
Fossaria	A	I	1	Burch 1989		
Physa	A	I	1	Thorp Reg 2016		
Hydrobiidae NOT P. antipodarum	A	100	56	Burch 1989		
Planorbidae	A	I	1	Thorp Reg 2016	imm	
Split A3 Chironomidae	L	0-10				
Labrundinia pilosella	L	III	3	Epler 2001		
Thienemannomyia group	L	II	2	Cren Epl 2013		
Zarelimyia	L	III	3	"		
Brillia	L	II	2	Andt 3 2013	imm	
Comptosia	L	XI	11	"		
Nannocladius	L	III	3	"		
Parametrioctenemus	L	I	1	"		

<3 taxa, TVAL ≤ 2.0

[illegible]