State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

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Instructions: **Bold** fields must be completed.

20190247001 04 SD

Station Summary

Waterbody Name	Waterbody ID Code	Sample ID (YYYYMMDD-CY-FD)
BIG ROCHE A CRI CREEK	1374100	~~Macroinvertebrate~~ 20190247001

Sampling Location	Database Key
5M East of 1st Ave	210950211 207759280

SWIMS Station ID	SWIMS Station Name
10035029	BIG ROCHE A CRI AT 1ST AVE.

Latitude	Longitude	Lat/Long Determination Method (circle)	Datum Used if using GPS
44.176014	-89.59743	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	Watershed Name	County
CENTRAL WISCONSIN	BIG ROCHE A CRI CREEK	WAUSHARA

Sample and Site Descriptors

Sample Collector (Last Name, First)	Project Name
MICHAEL MILLER	CENTRAL SANDS INFLUENCE OF PESTICIDES ON MACROIN

Sampling Device

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

Habitat Sampled

- [ ] Riffle
- [X] 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 ____
10	3	1	

Reason For Sampling

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

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
6.9	9.83	81.0	7.75	280.2	122 +

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)
- [X] 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)
	0.8	4

Composition of Substrate Sampled (Percent):

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

Sand: 50% Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 30%

Aquatic Macrophytes: 20% Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

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

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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	N	
Macrophytes		
Slimes	N	
Other - Specify:		
Physical		
Bank Erosion	N	
Channelization: - Upstream	N	
- Downstream	N	
Hydraulic Scour / Channel Incision	N	
Impoundment: - Upstream	N	
- Downstream	N	
Low Flow	N	
Sedimentation	N	
Sludge	N	
Thermal	N	
Turbidity	N	
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	N	
Point Source - Specify:	N	
Pasturing of Livestock	N	
Runoff: - Barnyard		
- Construction		
- Cropland	?	
- Urban		
Septic Systems	N	
Tile Drainage - Organic Soils	N	
- Mineral Soils		
Springs		
Tributary(s)		
Wetland	?	
Other - Specify:		

Comments: elodea beds strong base flow

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Selina Walters	Dimick, Jeffrey	9.3%
Date Processed	**Specimens Saved**	
3/9/23	126 subsample archived in ABL until Apr 2026	

A1 Q3:30 Q1:24 Q4:19 Q2

D3 Q1:26 Q3:15 Q2:12 Q4

Wisconsin Department of Natural Resources
ABL SampleNum: **20191024-70-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Big Roche a Cri Creek**
SWIMS Database Key: **287759280**

	Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
	Baetis brunneicolor	L	[illegible]	36	Klub 2016		
	Leptophlebia	L	/	5	MCB 2019	imm	
	Calopteryx maculata	L	I	1	West May 2006		
1/7	Taeniopteryx	L	/II	7	MCB 2019	imm	
2/45	Brachycentrus americanus	L	/III	8	Hils 1995		
3/39	B. occidentalis	L	[illegible]	24	"		
4/45	Micrasema gelidum	L	/I	6	"		
	Ceratopsyche slossonae	L	/I	6	Schm Hils 1986		
	Limnephilidae	L	III	3	MCB 2019	imm	N
	Pycnopsyche	L	/I	6	"		
	Simulium vittatum species complex 0BIL02IB	L	/	5	Adler et al 2004		
	Gammarus pseudolimnaeus	A	XII	12	Holsinger 1972		
	Physa	A	/	5	Thorp Rog 2016		
	Gyraulus	A	I	1	"	imm	
	Hygrobates	A	III	3	Peck et al 1990		
	~~Split to Chironomidae~~	~~L~~	~~[illegible]~~				
	Brillia	L	I	1	Ander et al 2013	imm	
	Polypedilum (Polypedilum) illinoense group	L	I	1	Bolton 2012		

>3 taxa, TVAL ≤ 2.0
45 < (0.1 × 113)