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)**
RIO CREEK	95200	202105163101

Sampling Location	**Database Key**
	273789043

SWIMS Station ID	**SWIMS Station Name**
10020814	RIO CREEK-100 FEET BELOW BRIDGE OFF PHEASANT ROAD.

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

Basin (WMU)	**Watershed Name**	**County**
TWIN - DOOR - KEWAUNEE	AHNAPEE RIVER	KEWAUNEE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
MARY GANSBERG	KEWAUNEE COUNTY LAND AND WATER PLAN

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

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

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

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 90 Gravel (ladybug to tennisball): 10

Sand: _____ 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 (%)** 0

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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
Katherine McClure	Dimick, Jeffrey	4.7%
Date Processed	**Specimens Saved**	
8/16/22	Subsample archived in ABL until Oct 2025	

B191: 44 D494: 36
B194: 45 D492:
B193: D491:
B192: D493:

125

Wisconsin Department of Natural Resources
ABL SampleNum: **20210516-31-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Rio Creek**
SWIMS Database Key: **273789043**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L	II	2	MCB 2019	dam	N
B. brunneicolor	L	XII	12	Klub 2016		
B. flavistriga species complex	L	XIIII	14	"		
Perlesta	L	III	3	MCB 2019		
Hydropsyche betteni	L	I	1	Schm Hils 1986		
Optioservus	L	-I	6	MCB 2019		
Stenelmis crenata	A	I	1	Hils Schm 1992		
Cricotopus (Cricotopus) fuscus group	P	I	1	Wieder 1986		Y
Eukiefferiella claripennis group	P	II	2	"		N
Orthocladius (Orthocladius)	P	I	1	"		N
Parakiefferiella	P	I	1	MCB 2019		
Chironomidae	P	I	1	"	dam	N
Nemadocrania	L	II	2	"		
Orthocladinae	P	I	1	"	dam	N
Simulium venustum species complex	L	X	10	Adl et al 2004		
S. venustum species complex	P	IIII	4	"		
S. vittatum species complex OBUOZ07	L	I	1	"		
Tabanidae	P	I	1	MCB 2019		
Diptera	L	I	1	"		
Gammarus	A	-	5	Thorp Rog 2016	mmm	
Caecidotea	A	III	4	"	mm	
Physa	A	I	1	"		
Naididae	A	BBBB-	105	Kath Brin 1988		
Nygrobates	A	I	1	Peck et al 1997		
~~Spirotaza Chironomidae~~	~~L~~	~~Bx VID~~				
~~Spirotaza Chironomidae~~	~~L~~	~~x VID~~				
Conchapelopia	L	II	2	Bnt et al 2013		
Orthocladiinae	L	II	2	"	not in dat	N
Cricotopus (Cricotopus)	L	I	1	"		Y
C. (C.) bicinctus group	L	III	3	"		
Eukiefferiella claripennis group	L	-I	6	"		
Orthocladius (Orthocladius)	L	X-II	17	"		Y
O. (O.) oliveri	L	II	2	Bolton 2012		
Thienemanniella xena	L	-	5	"		
Tvetenia bavarica group	L	I	1	Bode 1983		
Paratanytarsus	L	I	1	And et al 2013	not in dat	

23 taxa, TVAL ≤ 2.0

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Polypedilum (Tripedilum) scalaenum group	L	I	1	Bolton 2012		
P. (Uresipedilum) flavum	L	X-I	16	"		
Stictochironomus	L	-III	8	Ruiter et al 2013		