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)**
BLACK EARTH CREEK	1248600	20221129 – 13 – 01

Sampling Location: ~~DS SV. Rd.~~ Downstream S. Valley Road

Database Key: 329602351

SWIMS Station ID	**SWIMS Station Name**
10051571	BLACK EARTH CREEK - SOUTH VALLEY ROAD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.12487	-89.71093	SWIMS SWDV (GPS)	(WGS84) or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	BLACK EARTH CREEK	DANE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
KIMBERLY KUBER	IMPACT OF NEW ZEALAND MUDSNAILS ON SOUTHERN WI S

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.** 1 **of** 1
1	1	1	

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
7.0	10.73	89.0	8.29	575	>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: 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):	Gravel (ladybug to tennisball): 80
Sand: 20	Clay:	Silt/Muck:	Overhanging Vegetation:
Aquatic Macrophytes:	Leaf Snags:	Coarse Woody Debris:	Other (_____):

Embeddedness of Substrate at Sample Site (%) 30 **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		
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

49

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Lydia Dobberstein	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
3/17/2023	subsample 253 archived at ABL until Apr 2026	

D1 q1-67 A4 q4-68
q4-[illegible]40 q2-49
q2q1-16 q3 q2q4-13
start 11:15am q3 q1

Half line Start 3:00pm 10:00am End 5:45 Total hours 10.5

4+7

Wisconsin Department of Natural Resources
ABL SampleNum: **20221129-13-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Black Earth Creek**
SWIMS Database Key: **329602351**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	ll	2	Kluh 2016		
B. flavistriga species complex	L	ll	2	Kluh 2016		
Iswaeon anoka	L	lll	3	"		
Stenacron	L	llll	4	MCB 2019	imm	
Helicopsyche borealis	L	lll	3	Hils 1995		
Ceratopsyche bronta	L	l	1	Schm Hils 1986		
C. morosa bifida form	L	l	1	"		
Cheumatopsyche	L	⁄l	6	MCB 2019		
Hydropsyche betteni	L	ll	2	Schm Hils 1986		
Optioservus	L	X	10	MCB 2019	imm	N
O. fastiditus L, 17 A, 4	L, A	Ol	21	Hils Schm 1992		
Simulium vittatum species complex 08110217	L	Xl	11	Adler et al 2004		
Antocha	L	l	1	MCB 2019		
Gammarus pseudolimnaeus	A	⁄lll	8	Holsinger 1972	Thorp Rog 2016	
Caecidotea	A	llll	4	~~Williams 1972~~	dam/imm	
Potamopyrgus antipodarum	A	llll	4	Thorp Rog 2016		
Tubificinae (with hairs)	A	ll	2	Kath Brin 1999		
Lebertia	A	l	1	Peck et al 1990		
Sperchonidae	A	lll	3	"		
Tubificinae (without hairs)	A	ll	2	Kath Brin 1998		
~~Split A2a Chironomidae~~	~~L~~	~~8 SD~~				
~~Split A2b Chironomidae~~	~~L~~	~~X 8++ SD~~				
Diamesa	L	⁄l	6	Ander et al 2013		
Yes Pagastia	L	Ol	21	"		
Brillia flavifrons	L	l	1	Epler 2001		
Cardiocladius obscurus	L	lll	3	"		
Eukiefferiella claripennis group	L	l	1	Ander et al 2013		
E. devonica group	L	l	1	"		
Parametriocnemus	L	⁄	5	"		
Tvetenia bavarica group	L	⁄ll	7	Bode 1983		
T. discoloripes group	L	X⁄lll	18	"		
Cladotanytarsus	L	l	1	Ander et al 2013		
Micropsectra pedellus group	L	OXll	27	"		
Rheotanytarsus	L	8X	35	"		
Conchapelopia	L	ll	2	"		
Orthocladiinae	L	l	1	"	imm	N

<3 taxa, TVAL ≤ 2.0

Wisconsin Department of Natural Resources
ABL SampleNum: **20191129-13-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Black Earth Creek**
SWIMS Database Key: **329602351**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Cricotopus ~~(Isomerus)~~	L	I	1	Anderetal 2013		Y
C-(Cricotopus) bicinctus group	L	IIII	4	"		
Orthocladius (Orthocladius)	L	X	10	"		
Micropsectra	L	X	10	"		
Parakiefferiella bathophila	L	II	2	"	not in det	N
P- species A	L	I	1	this study		
P- species B	L	XIII	13	"		
Parakiefferiella	L	I	1	Anderetal 2013		
Polypedilum (Tripodura) scalaenum group	L	I	1	Bolton 2012		