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)**
KOHLSVILLE RIVER	865400	20191024-67-01

Sampling Location @ Midland Drive — **Database Key** 208175721

SWIMS Station ID	**SWIMS Station Name**
10022037	KOHLSVILLE RIVER - UPSTREAM OF MIDLAND DRIVE

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.483364	-88.36181	(SWIMS) SWDV GPS	WGS84 or (NAD83)

Basin (WMU)	**Watershed Name**	**County**
UPPER ROCK	EAST BRANCH ROCK RIVER	WASHINGTON

Sample and Site Descriptors

Sample Collector (Last Name, First) Sabre, Rachel — **Project Name** SER LONG-TERM TREND WADEABLE REFERENCE STREAMS

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** ___
2min	1m2	1	1 of 1

Reason For Sampling

- [X] Least Impacted Reference
- [ ] 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)**
7.78	9.49	81.6	7.24	1181	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)**
	.2m	5.1m

Composition of Substrate Sampled (Percent):

Bedrock: ___ Boulders (basketball or larger): 10% Rubble (tennisball to basketball): ___ Gravel (ladybug to tennisball): 20%

Sand: 10% Clay: ___ Silt/Muck: 10% Overhanging Vegetation: 30%

Aquatic Macrophytes: ___ Leaf Snags: 10% Coarse Woody Debris: 10% Other (___): ___

Embeddedness of Substrate at Sample Site (%) 10% **Canopy Cover at Sample Site (%)** 20%

Kohlsville River @ US Midland Drive
20191024-67-01
Station # 10022037
Sabre, Rachel

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)

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
Dylan Undlin	Dimick, Jeffrey	31.3
Date Processed	**Specimens Saved**	
1-31-22	Subsample archived in BBL until Mar 2025	

B1 Q2 5, Q3 11, Q4 7, Q1 10
B4 Q3 12, Q2 4, Q4 → 21, Q1
A1 Q2 8, Q3 7, Q4 → 8, Q1
A4 Q3 → 8, Q4 → 11, Q1, Q2
D1 Q2 8, Q1, Q3 → 18, Q4
B3 Q3, Q2, Q1, Q4

Wisconsin Department of Natural Resources
ABL SampleNum: **20191024-67-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Kohlsville River**
SWIMS Database Key: **208175721**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	I	1	Kirb 2016		
Stenacron	L	III	3	MCB 2019	imm	
Taeniopteryx	L	I	1	"	imm	
Sigara alternata	A	II	2	Hils 1984a		
Helicopsyche borealis	L	IIII	3	Hils 1995		
Ceratopsyche bronta	L	IIII	2	Schm Hils 1986		
Cheumatopsyche	L	XII	12	MCB 2019		
Hydropsyche betteni	L	XV	15	Schm Hils 1986		
Mystacides	L	I	1	MCB 2019		
Liodessus affinis	A	I	1	Hils 1994		
Macronychus glabratus	L	I	1	Hils 1995		
Optioservus	L	XIII	13	MCB 2019	imm	N
O. fastidiosus L 3 A 4	L, A	XI	7	Hils Schm 1992		
Stenelmis	L	I	1	MCB 2019		N
S. crenata	A	I	1	Hils Schm 1992		
Nemerodromia	L	II	2	MCB 2019		
Antocha	L	II	2	"		
Crangonyx	A	I	1	Thorp Rog 2016	fem	
Gammarus pseudolimnaeus	A	VIII	8	Hols 1972		
Caecidotea	A	II	2	Will 1972		
Physa	A	II	2	Thorp Rog 2016		
Naidinae	A	XXXI	31	Kath Brin 1998		
Tubificinae (with hairs)	A	I	1	"		Y
Tubificinae (without hairs)	A	IIII	9	"		Y
Enchytraeidae	A	II	2	Thorp Rog 2016		
Helobdella echoensis	A	I	1	Saglam et al 2018		
Lebertia	A	I	1	Peck et al 1990		
Sperchonidae	A	I	1	"		
Cyclopidae	A	I	1	Thorp Rog 2016		
~~Split Az Chironomidae~~	~~L~~	~~BT JSD~~				
Brillia	L	II	2	And et al 2013	imm	N
B. flavifrons	L	I	1	Epler 2001		
Cricotopus (Cricotopus) trifascia group	L	I	1	And et al 2013		
Cladotanytarsus	L	XI	16	"		
Cryptochironomus	L	III	3	"		
Microtendipes pedellus group	L	XXI	16	"		

Wisconsin Department of Natural Resources
ABL SampleNum: **20191024-67-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Kohlsville River**
SWIMS Database Key: **208175721**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Ablabesmyia	L	I	1	And et al 2013		
Conchapelopia	L	I	1	"		
orthocladius (Orthocladius)	L	II	2	"		
Cricotopus (Cricotopus)	L	III	3	"		Y
Parakiefferiella	L	-III	8	"		
Parametriocnemus	L	I	1	"		
Tvetenia bavarica group	L	I	1	Bode 1983		
Micropsectra	L	-II	7	And et al 2013		
Paratanytarsus	L	-I	6	"	mid+det	N
P- species A	L	I	1	this study		
P- species B	L	I	1	"		
Polypedilum (Tripodura) scalaenum group	L	I	1	Bolton 2012		
P-(Cresipedilum) flavum	L	I	1	"		
Rheotanytarsus	L	III	3	And et al 2013		