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)**
MANLEY CREEK	1261200	20211015-57-01

Sampling Location: 69m upstream STH 113

Database Key: 292586123

SWIMS Station ID	**SWIMS Station Name**
10010989	MANLEY CREEK - MANLEY CREEK AT HWY 113 (DNR LAND)

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.39839	-89.67592	SWIMS SWDV (GPS)	(WGS84) or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	LAKE WISCONSIN	SAUK

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
KIMBERLY KUBER	SCR LONG-TERM TREND WADEABLE REFERENCE STREAMS

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** ____
2	2	1	

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
12.0	8.37	77.6			

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] 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)**

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 50 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 10

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 10

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

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

129

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Nordstrom, Abigail	Dimick, Jeffrey	R1: 14% R2: 11%
Date Processed: R1: 10/27 R2: 10/28	Specimens Saved: 127/129 subsamples archived in ABC until Jan 2026	

R1
B3: q3 25, q4 9, q1 10, q2 31
A1: q1 12, q2 11, q4 9, q3 11
D2: q4 9, q1, q2, q3
R2
A1: q3-26, q4-20, q1-17, q2-16
D1: q1-19, q2-8, q4 23, q3

Wisconsin Department of Natural Resources
ABL SampleNum: **20211015-57-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Manley Creek**
SWIMS Database Key: **292586123**

Taxa	Life Stage	Organism Count Rep 1	Rep 2	Rep 3	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	0	1		MCB 2019	dam	N
Baetis brunneicolor	L	3	4		Klub 2016		
B-flavistriga species complex	L	0	1		"		
Maccaffertium vicarium	L	6	9		"		
Stenacron	L	1	1		MCB 2019	imm	
Brachycentrus occidentalis	L	6	8		Hils 1985		
Glossosoma intermedium	L	2	2		WymMor 2000		
Trichoptera (Integripalpia)	L	0	1		MCB 2019	imm	N
Hydropsychidae	L	0	1		"	imm	N
Cheumatopsyche	L	19	19		"		
Hydropsyche	L	2	0		Hils 1995	imm	N
H. bettini	L	10	4		Schm Hils 1986		
Lepidostoma	L	1	4		MCB 2019		
Limnephilidae	L	2	2		"	imm	N
Pycnopsyche	L	0	1		"		
Chimarra aterrima	L	1	0		Hils 1982		
Neophylax	L	0	1		MCB 2019	imm	
Nicrosia semicomis	L	1	1		Newzis 1966		
Optioservus	L	19	3		MCB 2019	imm	N
O. fastiditus RI L,9 A,4 RZ L,10 A,2	LA	13	12		HilsSchm 1992		
Hemerodromia	L	8	4		MCB 2019		
Neoplasta	L	1	0		"		
Simulium	P	5	1		"		N
S. fibinflatum	L	1	0		Acker et al 2004		
S. jenningsi species group	L	1	1		"		
S. vittatum species complex 08110218	L	5	8		"		
Chrysops	L	1	0		MCB 2019		
Tipula	L	0	2		"		
Gammarus pseudolimnaeus	A	3	2		Hols 1972		
Physa	A	3	1		ThorpRog 2006		
Pisidium	A	3	0		"		
Enchytraeidae	A	1	1		"		
Naidinae	A	3	5		KathBan 1998		
Hygrobates	A	0	3		Peck et al 1990		
Sperchonidae	A	0	1		"		
Taeniopteryx	L	23	26		MCB 2019	imm	
Hydroptila	L	3	0		Wiggins 1977		
~~Split Aza Chironomidae~~	~~L~~	~~50~~	~~20~~	~~ND~~			
~~Split Mrb Chironomidae~~	~~L~~	~~12~~	~~0~~	~~ND~~			

>3 taxa, TVAL ≤ 2.0

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Cardiocladius	L	3	2		Ander et al 2013		
Thienemanniella group	L	1	3		"	imm	N
Orthocladiinae	L	8	0		"	imm	N
Brillia	L	1	0		"	imm	
Cricotopus (Cricotopus) bicinctus group	L	2	1		"		
Diplocladius	L	2	0		"		
Eukiefferiella claripennis group	L	1	0		"		
Nanocladius	L	0	1		"	imm	
Parachaetocladius	L	0	1		"		
Parakiefferiella	L	1	0		"		
Parametriocnemus	L	13	9		"		
Thienemanniella	L	2	1		"	imm	
Tvetenia bavarica group	L	5	4		Bode 1983		
Chironominae	L	5	1		Ander et al 2013	dam/imm	N
Paratanytarsus longistilus	L	7	5		"		
P-species A	L	1	0		Hils unpubl		
Paratendipes	L	0	1		Ander et al 2013		
Polypedilum (Polypedilum) illinoense group	L	2	0		Bolton 2012		
P. (Uresipedilum) aviceps	L	15	6		"		
Rheotanytarsus	L	9	7		Ander et al 2013		
Tanytarsus	L	1	1		"		