State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.w i.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	20161004-57-01

Sampling Location	**Database Key**
	135786208

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**
43.398323	-89.67581	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**
JEAN UNMUTH	SCR LONG-TERM TREND WADEABLE REFERENCE STREAMS

Sampling Device

- [X] 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 ____**
3.0	3.0		

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)**
12.1	12.9	118	8.1	434	105

Water Color

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

Estimated Stream Velocity (m/s)

- [X] Slow (< 0.15 m/s)
- [ ] 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)**
	0.5	0.8

Composition of Substrate Sampled (Percent):

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

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

Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: 50 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	N	N
- Filamentous Algae	N	N
- Planktonic Algae	N	N
Iron Bacteria	N	N
Macrophytes	N	N
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	N	N
Channelization: - Upstream	N	N
- Dow nstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Dow nstream	N	N
Low Flow	N	N
Sedimentation	PL	PL
Sludge	N	N
Thermal	N	N
Turbidity	N	N
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	N
Dissolved Oxygen	N	N
Nutrients (P, N...)	N	N
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	N	N
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	N
Point Source - Specify:	N	N
Pasturing of Livestock	N	N
Runoff: - Barnyard	N	N
- Construction	N	N
- Cropland	N	N
- Urban	N	N
Septic Systems	N	N
Tile Drainage - Organic Soils	N	N
- Mineral Soils	N	N
Springs	N	N
Tributary(s)	N	
Wetland	N	N
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Cadie Olson	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 20%
Date Processed: 10/2/17	Specimens Saved: Subsample archived in ABC until Dec 2020	

A1: 53
C3: 35
E3: 62
=150

Wisconsin Department of Natural Resources
ABL SampleNum: **20161004-57-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Manley Creek**
SWIMS Database Key: **135786208**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Cliperla clio	L	I	1	Hilsenhoff 1982		
Baetis brunneicolor	L	-III	8	Kluberdanz 2016		
Maccaffertium vicarium	L	IIII	6	"		
Brachycentrus occidentalis	L	I	1	Hilsenhoff 1985		
Cheumatopsyche	L	III	3	Hilsenhoff 1995		
Limnephilidae	L	-IIII	9	"	imm	N
Limnephilus	L	B-	45	"		
Pycnopsyche	L	IIII	4	"		
Phylocentropus placidus	L	II	2	"		
Sialis	L	I	1	"		
Helichus lithophilus	A	I	1	Hils, Schm. 1992		
H. striatus	A	II	2	"		
Optioservus	L	I	1	"	imm	
Tropisternus glaber	A	I	1	Hilsenhoff 1995c		
Ephydridae	P	III	3	Mer., Webb 2008		
Simulium	P	I	1	Adler et al 2004	dam	
chrysops	L	I	1	Hilsenhoff 1995		
Gammarus pseudolimnaeus	A	⅋-	35	Holsinger 1972		
Belostoma flumineum	A	II	2	Hilsenhoff 1984a		
Tubificinae w/ capilliform chaetae	A	I	1	Klemm 1985		
Physella	A	-IIII	9	Brown 1991		
Pisidium	A	HH II	7	Burch 1972		
~~Split A3 Chironomidae~~	L	III J-SP				
Limnophyes	P	I	1	Fen et al. 2008		
Tvetenia	P	I	1	"		
Conchapelopia	L	X-II	17	Coon, Epler 2013		
Zavrelimyia	L	I	1	"		
Brillia	L	I	1	Ander. + 3 2013	imm	
Limnophyes	L	I	1	"		N
Parametriocnemus	L	I	1	"		
Pseudorthocladius	L	I	1	"		
Micropsectra	L	II	2	Epler et al 2013		
Microtendipes pedellus Group	L	I	1	"		
Polypedilum (Uresipedilum)	L	I	1	"		