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)**
MT VERNON CREEK	886600	20160929-13-01

Sampling Location: 1 m downstream of CTH U

Database Key: 135494983

SWIMS Station ID	**SWIMS Station Name**
10013350	MT VERNON CREEK AT HWY U

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.94041	89.64714	SWIMS SWDV (GPS)	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
SUGAR - PECATONICA	WEST BRANCH SUGAR RIVER - MT. VERNON	DANE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
AMRHEIN, JAMES	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** ___
1	1	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)**
12.8	13.1	122.2	8.14	565	>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): 10 Gravel (ladybug to tennisball): 60

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

Aquatic Macrophytes: 20 Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 0 **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		
- Dow nstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Dow nstream		
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
Taylor Hasz	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
8-29-17	Subsample archived in DBI until Dec 2020	

B3 51
C1 42
A1 49

Wisconsin Department of Natural Resources
ABL SampleNum: **20160929-13-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Mt Vernon Creek**
SWIMS Database Key: **135494983**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	II	2	Klubertanz 2016		
B. tricaudatus	L	III I	4	"		
B. flavistriga species complex	L	II	2	"		
Brachycentrus occidentalis	L	II	2	Hilsenhoff 1985		
Micrasema celtrum	L	II	2	"		
Cheumatopsyche	L	/	5	Hilsenhoff 1995		
Hydropsyche	L	I	1	"		
Ceratopsyche slossonae	L	- III	8	Schm., Hils. 1986		
Optioservus	L	X	10	Hils., Schm. 1992	imm	N
O. fastiditus	L	X I	11	"		
Antocha	L	/	5	Hilsenhoff 1995		
Gammarus pseudolimnaeus	A	Bo-II	67	Hoksinger 1972		
Hygrobates	A	-II	7	Pluchino 1984		
Lebertia	A	-	5	"		
Sperchonopsis	A	II	2	"		
Nemathida	A	I	1	Poinar 1991		
Tricladida	A	II	2	Kolasa 1991		
Naidinae	A	/	5	Brin, Cook 1991		
Tubificinae w/o capilliform chaetae	A	I	1	Klemm 1985		Y
Tubificinae w/ capilliform chaetae	A	II	2	"		Y
Physidae	A	II	2	Brown 1991	dam	N
Physa	A	III	3	"		
Physella	A	X II	12	"		
Potamopyrgus antipodarum +1 empty	A	III	3	OSGS factsheet		
Pisidium	A	I	1	Burch 1972		
Fasciola	P	I	1	Fer. et al 2006		
Orthocladinae (0830000)	P	I	1	"	dam	N
Orthocladius (Orthocladius)	P	- I	6	Coff. et al 1986		
Cricotopus (Cricotopus)	P	I	1	"		N
Eukiefferiella claripennis group	L	I	1	Ander. et al 2013		
Parakiefferiella	L	I	1	"		
Thienemanniella xena	L	I	1	Bolton 2012		
Orthocladius (Orthocladius)	L	X II	12	Ander. et al 2013		
Cricotopus (Cricotopus) bicinctus group	L	II	2	"		
Micropsectra	L	I	1	Epler et al. 2013		
Rheotanytarsus	L	II	2	"		