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	20191007-13-01

Sampling Location	**Database Key**
~10 m downstream of CTH U bridge	212561781

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**
42.94056	-89.64702	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**
CAMILLE BRUHN	SCR LONG-TERM TREND WADEABLE REFERENCE STREAM

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** ____
1	1	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)**
11.5	11.28	103.6	8.10	590	

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): 30 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 20

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

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

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

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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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Downstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Coash, Natalie	Dimick, Jeffrey	11%
Date Processed	**Specimens Saved**	
10/28/2020	Subsample archived in ABL until Dec 2023	

D1-1: 25
C3-2: 23
B3-64
A3-1: 49
161

Wisconsin Department of Natural Resources
ABL SampleNum: **20191007-13-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Mt. Vernon Creek**
SWIMS Database Key: **212561781**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis bunneicolor	L	IIII	4	Kich 2016		
Brachycentrus occidentalis	L	-III	8	Wils 1985		
Micrasema gelidum	L	IIII	4	"		
Ceratopsyche slossonae	L	I	1	SchmWils 1986		
Cheumatopsyche	L	I	1	MerrlummB 2019		
Hydroptila	L	I	1	"		
Lepidostoma	L	-II	7	"		
Limnephilidae	L	I	1	"	imm	N
Pycnopsyche	L	I	1	"		
Optioservus	L	-HH	10	"	imm	N
O. fastiditus	L	IIII	4	Wils Schm 1992		
Parakiefferiella	P	IIII	4	MerrlummB 2019		N
Nemerodromia	L	II	2	"		
Ephydridae	L	I	1	"		
Antocha	L	I	1	"		
Gammarus pseudolimnaeus	A	8x-II	57	Wils 1972		
Caecidotea intermedia	A	-I	6	Will 1972		
~~Tanytarsini Chironomidae~~	~~L~~	~~8-I~~				
Pagastia	L	II	2	And et al 2013		
Micrtendipes pedellus group	L	I	1	"		
Thienemanniella group	L	I	1	"	imm	
Orthocladiinae 08300000	L	II	2	"	mt indet	N
Orthocladius (Orthocladius)	L	I	1	"		
~~Thienemanniini~~ Thienemanniella xena	L	I	1	Bolton 2012		
Chironominae 08330000	L	I	1	Andt 3 2013	dam	N
Micropsectra	L	/	5	"		
Paratanytarsus longistilus	L	6-III	29	"		
Polypedilum (Uresipedilum) aviceps	L	II	2	Bolton 2012		
Rheotanytarsus	L	I	1	And et al 2013		