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)**
SCUPPERNONG RIVER	817600	20171026-68-01

Sampling Location	**Database Key**
	150685644

SWIMS Station ID	**SWIMS Station Name**
10020631	SCUPPERNONG RIVER - 1395 METERS UPSTREAM OF CTHY ZZ

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.934044	-88.469505	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER ROCK	SCUPPERNONG RIVER	WAUKESHA

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
RACHEL SABRE	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

- [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** ___
1Min	1M2	1	Replicate No. 1 of 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)**
9.67	9.51	86.7	7.23	1098.3	120

Water Color

- [X] 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)**
—	0.2m	10m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 60

Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 10% **Canopy Cover at Sample Site (%)** 30%

Scuppernong River 1395M US of CTH ZZ
Sample # 20171026-68-01
Station # 10020631
Rachel Sabre
1 of 1

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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		
- Dow nstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Dow nstream			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
Murphy Stelter	Dimick, Jeffrey	13%
Date Processed	**Specimens Saved**	
10/18/18	Subsample archived in ABL in 41 Jan 2022	

2E 38
3C 106 Total = 144

Wisconsin Department of Natural Resources
ABL SampleNum: **20171026-68-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Scuppernong River**
SWIMS Database Key: **150685644**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Basis brunneicolor	L	xIIII	14	Klub 2016		
Helicopsyche borealis	L	I	1	Wils 1995		
Glossosoma intermedium	L	III	3	Wynn Mor 2000		
Lepidostoma	L	III	3	Wils 1995		
Limnephilidae	L	-II	7	"	dam/imm	N
Hesperophylax designatus	L	II	2	"		
Limnephilus	L	-IIII	9	"		
Goera stylata	L	I	1	"		
Simulium tuberosum species complex	L	I	1	Adler et al 2004		
Dixa	L	I	1	Wils 1995		
Gammarus pseudolimnaeus	A	BBBII	103	Nels 1972		
Caecidotea "intermedia"	A	III	3	Will 1972		
Hygrobates	A	I	1	Pluta 1984		
Lebertiidae	A	I	1	Wils 1995	imm	
Entonebyidae	A	I	1	Christenson 2008		
Naidinae	A	II	2	Brinkhurst 1971		
Physa	A	BIII	43	Thorp Rog 2010		
~~Subf. Chironomidae~~	L	HHJJ				
Eukiefferiella claripennis group	L	II	2	Anderson 2013		
Parakiefferiella	L	I	1	"		
Cricotopus/orthocladius	L	II	2	Ferrington et al 2008		
Cladotanytarsus	L	I	1	Epler et al 2013		
Paratanytarsus lauterborni	L	I	1	"		