Scuppernong River -1395M US of CTHY ZZ
Station # 10020631
Sample 1 of 1
20181025-68-01
Rachel Sabre

State of Wisconsin
Department of Natural Resc
PO Box 7291, Madison WI 5
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	20181025-68-01

Sampling Location	**Database Key**
	169406820

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** ___
1 min	1 m2	1	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)**
9.83	10.21	92.1	6.82	389.4	120

tds 249.2

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): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 50

Sand: 20 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____

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

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

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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

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
10/28/19	176 Subsample archived in BL until Jan 2023	

EZ

Wisconsin Department of Natural Resources
ABL SampleNum: **20181025-68-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Scuppernong River**
SWIMS Database Key: **169406820**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	x-1	16	Klub 2016		
Glossosoma	L	11	2	Wils 1995	imm	N
G. intermedium	L	-11	7	WymMar 2000		
Oecumatopsyche	L	1	1	Wils 1995		
Lepidostoma	L	-1	6	"		
Hesperophylax designatus	L	-11	7	"		
Neophylax	L	1	1	"	imm	
Eukiefferiella	P	1	1	Fen et al 2008		N
Gammarus pseudolimnaeus	A	888	120	Hols 1972		
Caecidotea intermedia	A	x-1111	19	Will 1972		
Hygrobates	A	11	2	Pluchino 1984		
Limnesia	A	11	2	"		
Sperchon	A	1111	4	"		
Sperchonopsis	A	1	1	"		
Podocopida	A	1	1	Thorp Rog 2016		
Physa	A	0r	25	"		
Eukiefferiella claripennis group	L	1	1	And + 3 2013		
Orthocladius (Orthocladius)	L	1	1	"		
Synorthocladius	L	11	2	"		
Tvetenia bavarica group	L	1	1	Bode 1983		