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	20181019-68-01

Sampling Location: 80 m upstream of CTH Z NC-324

Database Key: 169497184

SWIMS Station ID	**SWIMS Station Name**
683030	SCUPPERNONG RIVER AT CTH Z BRIDGE

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.88593	88.54125	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**
AMRHEIN, JAMES	SOUTH DISTRICT NC STREAM STRATIFIED SITES 2018

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** ____
2	2	1	

Reason For Sampling

- [ ] Least Impacted Reference
- [X] 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)**
7.8	9.78	81.8	8.04	592	

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): 40 Gravel (ladybug to tennisball): 40

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

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

Embeddedness of Substrate at Sample Site (%) 20 **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		
- 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
Kiersten Czarnecki	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
9/10/2019	138	

D2: 50 specs A3: 42 138 specs total subsample archived in ABL until NOV 2022
B1: 46 specs ~~B3:~~

Wisconsin Department of Natural Resources
ABL SampleNum: **20181019-68-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Scuppernong River**
SWIMS Database Key: **169497184**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Caenis latipennis	L	II	2	Klug 2016		
Stenacron	L	IIII	4	"	imm	N
S. interpunctatum	L	I	1	"		
Helicopsyche borealis	L	-II	7	Wiggins 1996		
Cheumatopsyche	L	-HHT	10	"		
Hydropsyche	L	IIII	4	"	dam/imm	N
H. betteni	L	XIIII	14	Schmude 1986		
H. cuanis	L	HHT	5	"		
Ceratopsyche	L	I	1	Wiggins 1996	imm	N
C. bronta	L	II	2	Schmude 1986		
Hydroptila	L	I	1	Wiggins 1996		
Psychomyia flavida	L	I	1	"		
Optioservus	L	-III	8	Wiggins 1992	imm	N
O. fastiditus	L	XIIII	14	"		
Stenelmis	L	II	2	"		N
S. crenata	A	I	1	"		
S. douglasensis	A	I	1	"		
Mallochohelea	L	I	1	Wiggins 1996		
Ephydridae	P	I	1	Merritt 2008		
Simulium vittatum species complex 08110217	L	I	1	Adler et al 2004		
Simulium	P	I	1	"		Y
Hyalella azteca	A	I	1	Soucek et al 2015		
Gammarus	A	I	1	Wiggins 1972	imm	
Caecidotea intermedia	A	XX	15	Williams 1972		
Nemerodromia	L	I	1	Courtney 2008		
Tubificinae (without hairs)	A	I	1	Klemm 1985		
Pisidium	A	II	2	Mackie 2007		
~~Subfam Chironomidae~~	L	HHT-20				
Orthocladiinae 08300000 (Cricotopus/Orthocl)	L	I	1	Cranston 2013	mt indet	Y
Parametriocnemus	L	II	2	Andersen 2013		
Chironomini 08330000	L	I	1	Cranston 2013	imm	N
Cladotanytarsus	L	-III	8	Epler et al 2013		
Microtendipes pedellus group	L	XIII	13	"		
Phaenopsectra flavipes	L	II	2	"		
Polypedilum (Polypedilum) illinoense group	L	III	3	Bolton 2012		
P. (Tripodura) flavum	L	IIII	4	"		
Rheotanytarsus	L	I	1	Epler et al 2013		

<3 taxa, TVAL ≤20