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)**
UNNAMED	40500	20201007-67-20

Sampling Location: riffle US of STH 28 bridge

Database Key: 250470553

SWIMS Station ID	**SWIMS Station Name**
10009249	STOFFEL CREEK 1 UPSTREAM OF STH 28

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.528937	-88.275547	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
MILWAUKEE RIVER	EAST AND WEST BRANCHES MILWAUKEE R	WASHINGTON

Sample and Site Descriptors

Sample Collector (Last Name, First): Watkinson, Arthur

Project Name: SOUTH DISTRICT NC STREAM STRATIFIED SITES 2019

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**
3	0.5	1	1	1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: Natural Community

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
13.98	9.89	96.4	7.14	1049	185+

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)**
	0.1m	3m

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 70 Gravel (ladybug to tennisball): 25

Sand: 5 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 (%)** 0

20201007-67-20
Station # 10009249
Sample 1 of 1
Unnamed (Stoffel Creek) US STH 28
WBIC 40500
Arthur Watkinson
S District NC Streams Stratified 2019

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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
Rachael Valeria	Dimick, Jeffrey	4.7%
Date Processed	**Specimens Saved**	
10/7/21	5 subsample archived in WBIC until Nov 2024	

D1 C4 A3
Q1-49 Q2-47
Q2-35 Q4
Q3 Q3
Q4 Q1

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Wisconsin Department of Natural Resources
ABL SampleNum: **20201007-67-20**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Creek (40500, Stoffel)**
SWIMS Database Key: **250470553**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis flavistriga species complex	L	I	1	Klub 2016		
Stenacron	L	I	1	MCB 2019	imm	
~~Ephemerellidae~~ Caloptenycidae	L	I	1	"	imm	
Taeniopteryx	L	-IIII	9	"	imm	
Allocapnia	L	I	1	"		
Hydropsychidae	L	III	3	"	imm	N
Ceratopsyche bronta	L	I	1	Schmitts 1986		
C. slossonae	L	II	2	"		
Cheumatopsyche	L	XI	11	MCB 2019		
Hydropsyche betteni	L	XIIII	9	Schmitts 1986		
Psychomyia flavida	L	III	3	Hilsenhoff 1995		
Optioservus	L	X-VIII	21	MCB 2019	imm	N
O. fastiditus L, 14 A, 1	L,A	X-	15	Hilsenhoff Schmitts 1992		
Stenelmis	L	III	3	MCB 2019		
Tvetenia	P	I	1	"		
Hemerodromia	L	-IV	8	"		
Simulium vittatum species complex 08110217	L	I	1	Adler et al 2004		
Antocha	L	IIII	4	MCB 2019		
Dicranota	L	/	5	"		
Tipula	L	I	1	"		
Gammarus pseudolimnaeus	A	-IIII	9	Holsapple 1972		
Limnesia	A	I	1	Peck et al 1990		
Naidinae	A	8	40	Kathman 1998		
Tubificinae (w/o hairs)	A	-I	6	"		
~~Stict A2 Chironomidae~~	L	~~IIII-III~~				
Thienemanniella	L	I	1	Andersen et al 2013	imm	N
Cricotopus (Cricotopus) tremulus group	L	XIII	13	"		
Orthocladius (Orthocladius)	L	II	2	"		
Thienemanniella xena	L	I	1	Bolton 2012		
Micropsectra	L	II	2	Andersen et al 2013		
Microtendipes pedellus group	L	II	2	"		
Paratanytarsus sp. B	L	I	1	Hilsenhoff unpubl		
Polypedilum (Uresipedilum)	L	I	1	Andersen et al 2013	imm	
Rheotanytarsus	L	II	2	"		

<3 taxa, TVAL ≤ 2.0