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)**
STRASSBURG CREEK	303700	20201026-59-02

Sampling Location	**Database Key**
	258672042

SWIMS Station ID	**SWIMS Station Name**
10016578	STRASSBURG CREEK - REGINA ROAD (UPSTREAM OF)

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

Basin (WMU)	**Watershed Name**	**County**
WOLF RIVER	NORTH BRANCH AND MAINSTEM EMBARRA	SHAWANO

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
ANDREW HUDAK	2020 TWA STRASSBURG CREEK- NORTH BRANCH EMBARRA

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**	
5	4	1	**Replicate No.** 1 **of** 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
2.5	13.9	96.0		.235	>122

Water Color

- [x] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] 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)**
	0.3	7

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 10

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

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

Embeddedness of Substrate at Sample Site (%) 40 **Canopy Cover at Sample Site (%)** 100

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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	N	N
- Filamentous Algae	N	N
- Planktonic Algae	N	N
Iron Bacteria	N	N
Macrophytes	N	N
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	N	U
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	N
Sedimentation	N	N
Sludge	N	N
Thermal	N	N
Turbidity	N	N
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	U
Dissolved Oxygen	N	N
Nutrients (P, N...)	N	U
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	N	U
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	U
Point Source - Specify:	N	N
Pasturing of Livestock	N	U
Runoff: - Barnyard	N	U
- Construction	N	N
- Cropland	N	U
- Urban	N	N
Septic Systems	N	U
Tile Drainage - Organic Soils	U	U
- Mineral Soils	U	U
Springs	U	U
Tributary(s)	U	U
Wetland	U	U
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Rachael Valeria	Pimick, Jeffrey	4.7 %
Date Processed	**Specimens Saved**	
9/20/2021	subsample 127 archived in ABC until Oct 2021	

C1Q1 D1Q2 C1Q3 B
55 49 23 = 127

Wisconsin Department of Natural Resources
ABL SampleNum: **20201026-59-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Strassburg Creek**
SWIMS Database Key: **258672042**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis tricaudatus	L	卌I	6	Klub 2016		
Ephemerella	L	I	1	MCB 2019	dam	N
E. subvaria	L	卌	5	Klub 2016		
Maccaffertium vicarium	L	II	2	"		
Neoleptophlebia	L	卌I	6	MCB 2019	imm	
Allocapnia	L	II	2	"		
Paracapnia angulata	L	卌III	8	Harden 1974		
Amphinemura	L	卌I	6	MCB 2019		
Nemoura arctica	L	I	1	Grubbs et al 2018		
Paragnetina media	L	I	1	Hils 1995		
Isoperla	L	II	2	MCB 2019	imm	N
I. transmarina	L	II	2	Hils 1982		
Taeniopteryx burksi	L	IIII	4	Fullsfew 1980		
Diplectrona modesta	L	II	2	Hils 1995		
Lepidostoma	L	卌III	8	MCB 2019		
Limnephilidae	L	I	1	"	imm	
Dolophilodes distinctus	L	卌IIII	9	Hils 1995		
Lype diversa	L	I	1	"		
Rhyacophila vibox	L	I	1	Pra Mar 2001		
Nigronia serricornis	L	I	1	Neunzig 1966		
Optioservus	L	IIII	4	MCB 2019	imm	
Diptera (Psychodidae?)	P	I	1	"	dam	Y
Tvetenia	P	I	1	"		N
Neoplasta	L	II	2	"		
Prosimulium	L	II	2	"	imm	
Simulium	L	I	1	"	imm	
Dicranota	L	II	2	"		
Gammarus pseudolimnaeus	A	XIIII	14	Hols 1972		
~~Split 1/2 Chironomidae~~	~~L~~	~~XI~~ 30				
Parametriocnemus	L	XIII	18	And et al 2013		
Tvetenia bavarica group	L	II	2	Bode 1983		
Tanytarsus	L	IIII	4	And et al 2013		
Orthocladiinae	L	IIII	4	"	imm	N
Eukiefferiella brehmi group	L	I	1	"		
Micropsectra	L	I	1	"		
Microtendipes rydalensis group	L	I	1	"		

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Paratanytarsus longistilus	L	1	1	And et al 2013		
Polypedilum (Uresipedilum) aviceps	L	1	1	Bolton 2012		