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	304200	20201015-59-06

Sampling Location	**Database Key**
	258672050

SWIMS Station ID	**SWIMS Station Name**
10030562	UNNAMED TRIBUTARY - RIVER RD.

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**	**Replicate No.** / **of**
5	6	1	1 / 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)**
7.2	9.9	82.1		1221	>122

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)**

Composition of Substrate Sampled (Percent):

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

Sand: 70 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 30 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 0 **Canopy Cover at Sample Site (%)** 40

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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	N	U
- Mineral Soils	N	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
Kayla Reed	Dimick, Jeffrey	12.5%
Date Processed	**Specimens Saved**	
9-16-2021	132 Subsample archived in ABL until Oct 2024	

D2H1 → 16
B4Q3 → 18
D2Q3 → 20

B4Q2 → >21
D2Q1 → >21
B4Q4 → 14
D2Q2 → No 27

B4Q4 → 16
~~B1 Q1 →~~

Wisconsin Department of Natural Resources
ABL SampleNum: **20201015-59-06**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary (304200)**
SWIMS Database Key: **258672050**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna macdunnoughi	L	I	1	Kluh 2016		
Ephemerella subvaria	L	I	1	"		
Maccaffertium	L	II	2	"	dam/imm	N
M. vicarium	L	II	2	"		
Leptophlebia	L	IIII	4	MCB 2019	imm	
Allocapnia	L	I	1	"		
Paracapnia angulata	L	II	2	Harden 1974		
Nemoura arctica	L	II	2	Grubbs et al 2018		
Taenionema	L	I	1	MCB 2019	imm	
Hydropsyche bettenii	L	II	2	Schmude & Hilsenhoff 1986		
Lepidostoma	L	III	3	MCB 2019		
Limnephilus	L	I	1	"		
Pycnopsyche	L	I	1	"		
Nyctiophylax	L	I	1	"		
Psychomyia flavida	L	I	1	Hils 1995		
Optioservus	L	~~IIII~~ I	6	MCB 2019	imm	
Neoplasta	L	II	2	"		
Simulium venustum species complex	L	I	1	Adl et al 2004		
Chrysops	L	IIII	4	MCB 2019		
Antocha	L	I	1	"		
Tipula	L	I	1	"		
Gammarus pseudolimnaeus	A	X X	30	Hols 1972		
Dicranota	L	I	1	MCB 2019		
~~Split A2a Chironomidae~~	~~L~~	~~8x = 20~~				
~~Split A2b Chironomidae~~	~~L~~	~~x IIII = 14~~				
Brillia flavifrons	L	I	1	Epler 2001		
Corynoneura	L	I	1	And et al 2013		
Parametriocnemus	L	IIII	4	"		
Meropelopia	L	III	3	"		
Nilotanypus	L	II	2	"		
Thienemannimyia group	L	IIII	4	"		
Orthocladiinae	L	~~IIII~~ I	6	"	imm	N
Brillia	L	III	3	"	imm	N
Orthocladius (Orthocladius)	L	I	1	"		
O. (Symposiocladius) annectens	L	I	1	Bolton 2012		
Stilocladius	L	I	1	And et al 2013		

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Thienemanniella xena	L	II	2	Bolton 2012		
Chironominae	L	I	1	And et al 2013	not indet	N
Micropsectra	L	XIII	13	"		
Microtendipes pedellus group	L	I	1	"		
Paratanytarsus sp longistilus	L	II	2	"		
Polypedilum (Uresipedilum) aviceps	L	XIII	13	Bolton 2012		
Rheotanytarsus sp	L	I	1	And et al 2013		