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	301400	20221206-59-03

Sampling Location	**Database Key**
	334621034

SWIMS Station ID	**SWIMS Station Name**
10013585	UNNAMED -NORTH BRANCH RD DOWNSTREAM

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 GILSDORF	PONY CREEK - NORTH BRANCH EMBARRASS RIVER TWA 20

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 ____**
15	5	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)**

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): 20 Gravel (ladybug to tennisball): 40

Sand: 40 Clay: _____ Silt/Muck: 20 Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 40 **Canopy Cover at Sample Site (%)** 70

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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
Reed, Kayla	Dimick, Jeffrey	28.125%
Date Processed	**Specimens Saved**	
3-30-23	253 Subsample archived in ABL until Jul 2026	

D1 Q4-7, Q1-12, Q3-9, Q2-2
B2 Q3-4, Q4-15, Q2-13, Q1-31
A4 Q2-18, Q4-17, Q1-22, Q3-20
A3 53
C2 Q2-12, Q4-18, Q1-, Q3-

Wisconsin Department of Natural Resources
ABL SampleNum: **20221206-59-03**
Taxonomist: Dimick, Jeffrey

Unnamed Tributary (301400) to N. Br. Embarrass River
SWIMS Database Key: **334621034**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	I	1	Hubertanz 2016		
Amphinemura ~~delosa/varshava~~	L	III	3	MCB 2019		
Nemoura arctica	L	11	6	Grubbs et al 2018		
Glossosoma intermedium	L	II	2	Wymer Morse 2000		
Hydropsychidae	L	I	1	MCB 2019	imm	N
Cheumatopsyche	L	IIII	4	"		
Diplectrona modesta	L	I	1	Hilsenhoff 1995		
Limnephilidae	L	I	1	MCB 2019	imm	N
Limnephilus	L	I	1	"		
Pycnopsyche	L	I	1	"		
Plectrocnemia	L	I	1	"		
Neophylax	L	8xxIII	51	"	imm	
Helichus striatus	A	I	1	Hils Schm 1992		
Optioservus	L	XVII	17	MCB 2019	imm	N
O. fastiditus L, 10 A, 6	L/A	XVI	16	Hils Schm 1992		
Ceratopogon culicoidithorax	L	III	3	Hilsenhoff 1995		
Probezzia	L	I	1	"		
Prosimulium	L	IIII	4	MCB 2019	imm	
Chrysops	L	I	1	"		
Antocha	L	II	2	"		
Dicranota	L	I	1	"		
Limnophila	L	II	2	"		
Neoplasta	L	I	1	"		
Gammarus pseudolimnaeus	A	XXXII	32	Holsinger 1972		
Physa	A	VII	7	Thorp Rog 2016		
Pisidium	A	V	5	"		
Naidinae	A	~~IIII~~	5	Kathman Brinkhurst 1999		
Tubificinae (with hairs)	A	III	3	"		
Harpacticoida	A	I	1	Thorp Rog 2016		
Enchytraeidae	A	I	1	"		
~~Split to Chironomidae~~	~~L~~	~~[illegible] 300~~				
Prodiamesa olivacea	L	I	1	Ander et al 2013		
Brillia	L	I	1	"	imm	
Conchapelopia / Corynoneura	L	XXX	30	"		
Parametriocnemus	L	VI	6	"		
Tvetenia bavarica group	L	XIII	13	Bode 1983		

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Cladotanytarsus	L	/	5	Ander et al 2013		
Tanytarsus	L	[illegible] ||||	29	"		
Conchapelopia	L	-|	6	"		
Meropelopia	L	||	2	"		
Procladius (Holotanypus)	L	|	1	"		
Thienemannimyia group	L	|||	3	"	imm	N
Orthocladiinae	L	|	1	"	imm	N
Diplocladius	L	|	1	"		
Parakiefferiella	L	|	1	"		
Thienemanniella taurocapita	L	||	2	Bolton 2012		
Chironominae	L	|	1	Ander et al 2013	imm	N
Polypedilum (Polypedilum) albicorne	L	||	2	Bolton 2012		
P. (Tripodura) scalaenum group	L	|	1	"		
P. (Uresipedilum) aviceps	L	|	1	"		