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)**
STENGEL CREEK	302100	20221208-59-01

Sampling Location	**Database Key**
	334621038

SWIMS Station ID	**SWIMS Station Name**
10048949	UNNAMED TRIB TO NORTH BRANCH OF EMBARRASS RIVER - BALLPARK 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 GILSDORF	PONY CREEK - NORTH BRANCH EMBARRASS RIVER TWA 2(

Sampling Device

- [X] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [X] 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 ____**
10	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)

- [ ] 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)**

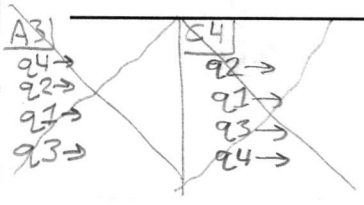
Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 30

Sand: 30 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 80



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)

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
Undlin, Dylan	Dimick, Jeffrey	37.5%
Date Processed	**Specimens Saved**	
3/30/23	Subsample 258 archived in ABL until Jul 2026	

A3 (57) q4→8 q2→21 q1→10 q3→18

C4 (55) q2→19 q1→10 q3→16 q4→10

C2 86

B4

A1 28

B2 32

Wisconsin Department of Natural Resources
ABL SampleNum: **20221208-59-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Stengel Creek**
SWIMS Database Key: **334621038**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Heptagenijidae	L	1	1	MCB 2019	imm	Y
Maccaffertium	L	1	1	Klebertam 2016		
Leptophlebia	L	4	2	MCB 2019	imm	
Allocapnia	L	1	1	"		
Limnephilidae	L	IIII	4	"	imm	N
Limnephilus	L	1	1	"		
Sialis	L	1	1	"		
Hallochohelea	L	1	1	Hilsenhoff 1995		
Neoplasta	L	1	1	MCB 2019		
Chrysops	L	1	1	"		
Dicranota	L	II	2	"		
Culicoides	L	1	1	Hilsenhoff 1995		
Lepidostoma	L	1	1	MCB 2019		
Gammarus pseudolimnaeus	A	IIII	43	Holsinger 1972		
Physa	A	1	1	Thorp Rog 2016		
Naidinae	A	1	1	Kath Brin 1999		
Tubificinae (without hairs)	A	1	1	"		
~~Split As Chironomidae~~	L	Er JJD				
Prodiamesa olivacea	L	III	4	Ander et al 2013		
Corynoneura	L	IIII	9	"		
Micropsectra	L	IIII	146	"		
Meropelopia	L	1	1	"		
Natarsia baltimorea	L	1	1	Bolton 2012		
Zavrelimyia	L	IIII	15	Ander et al (2013		
Thienemanniella group	L	1	1	"	imm	N
Orthocladiinae	L	II	2	"	imm	N
Chaetocladius piger group	L	II	2	"		
Eukiefferiella brehmi group	L	II	2	"		
Tvetenia bavarica group	L	1	1	Bode 1983		
Paratanytarsus longistilus	L	-	5	Ander et al 2013		
Parakiefferiella	L	III	4	"		
Polypedilum (Polypedilum) albicorne	L	II	2	Bolton 2012		
P-(Tripodura) scalaenum group	L	1	1	"		
Stempellinella	L	1	1	Ander et al 2013		
Tanytarsus	L	1	1	"		
Tribelos juendus	L	1	1	Bolton 2012		