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)**
PONY CREEK	302400	20221208-59-03

Sampling Location	**Database Key**
	334620961

SWIMS Station ID	**SWIMS Station Name**
10056438	PONY CREEK @ POND LN

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 2021-22

Sampling Device (HUC 040302021202)

- [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** ____
20	10	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: 60 Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 10 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 (%) 20 **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		
- 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: Roymer, Blake	Taxonomist: Dimock, Jeffrey	Estimated Percent of Sample Sorted: 10.9%
Date Processed: 3/31/2023	Specimens Saved: 278 Subsample archived in ABL until Jul 2023	

D2 Q3:35 Q1:45 Q4:41 Q2:38
B4 Q3:46 Q4:36 Q2:37 Q1:
278

Wisconsin Department of Natural Resources
ABL SampleNum: **20221208-59-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Pony Creek**
SWIMS Database Key: **334620961**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis tricaudatus	L	𝍸 II	32	Kluberdanz 2016		
Caenis latipennis	L	I	1	"		
Ephemerella subvaria	L	I	1	"		
Maccaffertium vicarium	L	II	2	"		
Prostoia	L	I	1	MCB 2019	imm	
Isoperla	L	I	1	"	imm	N
I. transmarina	L	I	1	Wisenhoff 1982		
Paragnetina media	L	I	1	Wisenhoff 1995		
Taeniopteryx nivalis	L	𝍸 III	3	Fullstew 1960		
Hydropsychidae	L	I	1	MCB 2019	imm	N
Ceratopsyche	L	II	2	Wisenhoff 1995	imm	N
C. alhedra	L	I	1	Schmidts 1986		
C. slossonae	L	I	1	"		
C. sparna	L	IIII	4			
Cheumatopsyche	L	X-III	19	MCB 2019		
Hydropsyche betteni	L	-I	6	Schmidts 1986		
Psychomyia flavida	L	I	1	Wisenhoff 1995		
Nigronia serricornis	L	I	1	Newzog 1966		
Optioservus	L	I	1	MCB 2019	imm	N
O. trivittatus	A	I	1	Ads Schm 1992		
Neophylax	L	I	1	MCB 2019	imm	
Neoplasta	L	II	2	"		
Prosimulium	L	4	2	"	imm	
Simulium jenningsi species complex	L	I	1	Adler et al 2004		
Antocha	L	III	3	MCB 2019		
Crangonyx pseudogracilis	A	III	3	Holsinger 1972		
Hydrobiidae not P. antipodarum	A	I	1	Thorp Lowe 1988		
Naididae	A	8-II	48	Kath Brinkhurst 1992		
Hemerodromia	L	I	1	MCB 2019		
~~Split As Chironomidae~~	~~L~~	~~8-II~~				
Diamesa	L	0-I	26	Anderet al 2013		
Pagastia	L	/	5	"		
Brillia	L	I	1	"	imm	
Eukiefferiella brehmi group	L	0-	25	"		
E. devonica group	L	8 0 I	46	"		
Tvetenia bavarica group	L	8-III	40	Bode 1983		

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Cladotanytarsus	L	1	1	Andersen et al 2013		
Rheotanytarsus	L	1	1	"		
Chaetocladius piger group	L	1	1	"		
Orthocladius (Orthocladius)	L	x1	11	"		
Paracricotopus	L	1	1	"		
Parametriocnemus	L	1111	4	"		
Micropsectra	L	11	2	"		
Paratanytarsus longistilus	L	1	1	"		
P. species B	L	x1	11	Wiss unpubl		
Polypedilum (Uresipedilum) flavum	L	11	2	Bolton 2012		