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)**
BRANCH RIVER	71300	20210928360 2

Sampling Location	**Database Key**
	285168607

SWIMS Station ID	**SWIMS Station Name**
363299	BRANCH RIVER AT N UNION RD (2)

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

Basin (WMU)	**Watershed Name**	**County**
MANITOWOC	BRANCH RIVER	MANITOWOC

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
MARY GANSBERG	NER LONG-TERM TREND WADEABLE REFERENCE STREAM

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** ____
2	0.2	1	

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [X] Trend
- [ ] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
14.3	12.0	117.7	8.5	718	

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)**
	1.0	17

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 80

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 (%)** 20

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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
Patrick Catalano	Dimick, Jeffrey	R1 15.75% 10 | R2 14 01
Date Processed	**Specimens Saved**	
11/03/2022	R1 127 | R2 131	Subsamples archived in ABC (mtn) Feb 2026

G2 D3 Q3,14 Q1,14 Q2,18 Q4,16 | B 23 Q1,1 Q3,3 Q4,12 Q2,17 | C2 Q4,7 Q1,16 Q3,7 Q2,12 | R1 =127 | A2 23 Q4,10 Q1,23 Q2,17 Q3,23 | 35 | R2 1D2 Q3,5 Q4,11 Q1,10 Q2,9 | C4 Q3 2 3 Q4 Q2 Q1 | 131

Wisconsin Department of Natural Resources
ABL SampleNum: **20210928-36-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Branch River**
SWIMS Database Key: **285168607**

Taxa	Life Stage	Organism Count Rep 1	Rep 2	Rep 3	Taxonomic Reference	Condition	Unique Taxon
Acerpenna pygmaea	L	2	3		Klub 2016		
Baetis	L	2	2		MCB 2019	dam	N
B. intercalaris	L	2	8		Klub 2016		
B. flavistriga species complex	L	15	16		"		
Caenis anceps	L	0	3		"		
Tetragenopsis deficiens	L	1	1		MCB 2019		
Heptageniidae	L	2	0		"	dam	N
Leucrocuta	L	20	23		"		
Maccaffertium	L	5	3		Klub 2016	dam/mm	Y
M. mediopunctatum	L	11	8		"		
Leptophlebia	L	0	1		MCB 2019	mm	
Isonychia	L	0	1		"	mm	
Paragnetina media	L	2	0		Wils 1995		
Taeniopteryx	L	2	3		MCB 2019		
Protoptila	L	2	2		"		
Helicopsyche borealis	L	5	2		Wils 1995		
Ceratopsyche bronta	L	2	2		Schm Wils 1986		
C. slossonae	L	0	1		"		
Cheumatopsyche	L	10	4		MCB 2019		
Hydropsyche betteni	L	2	0		Schm Wils 1986		
Leucotrichia pictipes	L	1	3		Wils 1995		
Chimarra obscura	L	2	1		Wils 1982		
Psychomyia flavida	L	2	3		Wils 1995		
Optioservus	L	10	16		MCB 2019	mm	N
O. fastiditus RI L,9 A,1 RZ L,6	L,A	10	6		Wils Schm 1992		
Stenelmis	L	8	15		MCB 2019		
Psephenus herricki	L	3	4		Wils 1995		
Atherix variegata	L	2	1		"		
Curculionidae	L	0	1		MCB 2019		
Nemerodromia	L	0	2		"		
Simulium jennungsi species group	L	3	2		Adler et al 2004		
S. vittatum species complex 08110218	L	1	2		"		
Dicranota	L	1	0		MCB 2019		
Pisidium	A	2	4		Thorp Rog 2016		
Tubificinae (without hairs)	A	1	1		Kath Bon 1993		
~~Sphaeriidae Chironomidae~~	~~L~~	~~2~~	~~0~~	JJD			
Brillia	L	1	0		Ander et al 2013	mm	
Rheotanytarsus	L	1	0		"		
Stenochironomus	L	1	0		"		

>3 taxa, TWALS 2.0