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	3000211	20171012-31-10

Sampling Location	**Database Key**
	149676018

SWIMS Station ID	**SWIMS Station Name**
10029040	UNNAMED TRIB TO EAST TWIN R AT SLEEPY HOLLOW

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

Basin (WMU)	**Watershed Name**	**County**
TWIN - DOOR - KEWAUNEE	EAST TWIN RIVER	KEWAUNEE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
MARY GANSBERG	EAST TWIN RIVER TWA 2017

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** ____
6	2	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)**
17.9	8.5	90.1	8.5	2390	

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)**
	0.2	3.3

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 70 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 (%) 10 **Canopy Cover at Sample Site (%)** 90

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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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton			Chlorine		
- Filamentous Algae	N		Dissolved Oxygen		
- Planktonic Algae	N		Nutrients (P, N...)		
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes	N		- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion		
			Point Source - Specify: Agropur Discharge upstream	P	
Physical			Pasturing of Livestock		
Bank Erosion			Runoff: - Barnyard		
Channelization: - Upstream			- Construction		
- Downstream			- Cropland		
Hydraulic Scour / Channel Incision			- Urban		
Impoundment: - Upstream	N		Septic Systems		
- Downstream	N		Tile Drainage - Organic Soils		
Low Flow			- Mineral Soils		
Sedimentation			Springs		
Sludge			Tributary(s)		
Thermal	P		Wetland		
Turbidity			Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Madella Coe	Dimick, Jeffrey	70%
Date Processed	Specimens Saved	
10/23/17	Subsample archived in ABC until Dec 2020	

B2: 140

Wisconsin Department of Natural Resources
ABL SampleNum: **20171012-31-10**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary to East Twin River**
SWIMS Database Key: **149676018**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Cheumatopsyche	L	-IIII	8	Hilsenhoff 1995		
Hydropsyche betteni	L	II	2	Schm., Hils. 1986		
Chimarra aterrima	L	IIII	4	Hilsenhoff 1982		
Optioservus	L	0-IIII	29	Hils., Schm. 1992	imm	N
O. fastidiosus	L	-	5	"		
Stenelmis	L	X-I	16	"		N
S. crenata	A	I	1	"		
Atherix variegata	P	I	1	Merr., Webb 2008		
Nemotelus	L	IIII	4	Courtney, Merr. 2008		
Simulium jenningsi species group	L	II	2	Adler et al 2004		
Antocha	L	I	1	Hilsenhoff 1995		
Dicranota	L	II	2	"		
Gammarus pseudolimnaeus	A	II	2	Holsinger 1972		
Caecidotea	A	-	5	Williams 1972	imm	
Naididae	A	8-II	47	Brinkhurst 1991		
Pisidium	A	I	1	Burch 1972		
~~Split A3 Chironomidae~~	~~L~~	~~I + JD~~				
Conchapelopia	L	II	2	Coon, Epler 2013		
Nilotanypus	L	I	1	"		
Orthocladiinae 08300000	L	II	2	Cranston 2013	mt. midd/ imm	N
Corynoneura	L	III	3	Ander. et al 2013		
Paramerocnemus	L	01	21	"		
Thienemanniella	L	III	3	"	imm	N
Th. xena	L	IIII	4	Bolton 2012		
Tvetenia bavarica group	L	XIIII	14	Bode 1983		
Micropsectra	L	I	1	Epler et al 2013		
Polypedilum (Polypedilum) laetum group	L	I	1	Bolton 2012		
P. (Uresipedilum)	L	III	3	Epler et al 2013		N
P. (U.) flavum	L	0	20	Bolton 2012		
Rheotanytarsus	L	-IIII	9	Epler et al 2013		