Sample in 2 jars

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	3000212	20171012-31-11

Sampling Location	**Database Key**
	149676014

SWIMS Station ID	**SWIMS Station Name**
10029041	UNNAMED TRIB TO EAST TWIN R AT CHERNEYVILLE RD

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	3	2	

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)**
27.1	6.4	81.4	8.3	2480	

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)**
	0.12	2

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 60

Sand: 10 Clay: _____ Silt/Muck: 20 Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 70 **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
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: WWTP upstream	U	
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

Sample in 2 jars

For Lab Use Only

Sample Sorter: Justin Kowalski	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 20%
Date Processed: 10/24/17	Specimens Saved: Subsample archived in ABC until Dec 2020	

A1 D2 E2 B1 E1 A2
61 63

Wisconsin Department of Natural Resources
ABL SampleNum: **20171012-31-11**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary to East Twin River**
SWIMS Database Key: **149676014**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Cheumatopsyche	L	X-IIII	19	Hilsenhoff 1995		
Hydropsyche betteni	L	X-IIII	19	Schuy, Hils. 1986		
Orthoserous fasciditus	L	II	2	Hilb., Schm. 1992		
Stenelmis	L	OOOV	62	"		
Hemerodromia	L	X-III	20	Court, Mer. 2008		
Empididae	P	IIII	4	Mer., Webb 2008		N
Chrysops	L	I	1	Hilsenhoff 1995		
Ericoptera	L	I	1	"		
Hyalella	A	-IIII	9	Pennak 1978		
Naidinae	A	-I	6	Brinkhurst 1991		
~~Subfam Chironominae~~	L	IIVO				
Tanypodinae 08270000	L	I	1	Cranston 2013	imm	N
Conchapelopia	L	OII	22	Cran., Epler 2013		
Nilotanypus	L	III	3	"	imm	N
N. fimbriatus	L	I	1	Epler 2001		
Zavrelimyia	L	II	2	Cran., Epler 2013		
Thienemanniniyia group	L	-I	6	"	imm	N
Limnophyes	L	I	1	Anderson 2013		
Paramerionemus	L	II	2	"		
Thienemanniella xena	L	I	1	Bolton 2012		
Cricotopus (Cricotopus) bicinctus group	L	I	1	Anderson 2013		
Chironominae 08330000	L	IIII	4	Cranston 2013	dam/imm	N
Microspectra	L	IIII	4	Epler et al 2013		
Paratanytarsus sp. A	L	I	1	Hilsenhoff unpubl		
Polypedilum (Polypedilum) illinoense group	L	-	5	Bolton 2012		
P. (Uresipedilum)	L	III	3	Epler et al 2013		N
P. (U.) flavum	L	5-IIII	39	Bolton 2012		