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 Trib. of Mill Creek	1244900	20180924-25-03

Sampling Location	**Database Key**
US CTH Y	168762318

SWIMS Station ID	**SWIMS Station Name**
10051106	UNNAMED TRIB. WBIC: 1244900 OF MILL CR. US CTH Y

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.0288112	-90.0296539	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	MILL AND BLUE MOUNDS CREEK	IOWA

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
JEAN UNMUTH	MEUDT-MILL CREEK & KNIGHT HOLLOW-MILL CR. WATEI

Sampling Device

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

Habitat Sampled

- [ ] 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** ___
4.0	2.0	1	1 of 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)**
15.1	10.8	111			8.2

Water Color

- [✓] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [✓] 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)**
0.05	0.10	0.80

Composition of Substrate Sampled (Percent):

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

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

Aquatic Macrophytes: _____ Leaf Snags: 30 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 80

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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	N	
- Filamentous Algae	N		Dissolved Oxygen	N	
- Planktonic Algae			Nutrients (P, N...)	N	
Iron Bacteria	N		Toxics: - Inorganic (Metals)		
Macrophytes	N		- Organic (PCBs, pesticides...)		
Slimes	N		Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion	PL	
Physical			Point Source - Specify:		
Bank Erosion	PL		Pasturing of Livestock	N	
Channelization: - Upstream			Runoff: - Barnyard	N	
- Downstream			- Construction	N	
Hydraulic Scour / Channel Incision	PH		- Cropland	N	
Impoundment: - Upstream			- Urban		
- Downstream			Septic Systems		
Low Flow	N		Tile Drainage - Organic Soils		
Sedimentation	PH		- Mineral Soils		
Sludge	N		Springs		
Thermal	N		Tributary(s)		
Turbidity	N		Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	40%
Date Processed	**Specimens Saved**	
4/14/2019	28+15+26+27+25+40 = 161	

B3 E1 A1 E2 E3 C3 Total

3hr 3hr 3hr

subsample archived in ABL until Jun 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20180924-25-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary to Mill Creek**
SWIMS Database Key: **168762318**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	-1	6	Kluh 2016		
B. tricaudatus	L	1	1	"		
Calopterygidae	L	1	1	West May 1996	imm	N
Calopteryx	L	11	2	"	imm	N
C. maculata	L	1111	4	"		
Argia	L	11	2	"	dam	
Hydropsyche borealis	L	X11	12	Hils 1995		
Hydropsychidae	L	1	1	"	imm	N
Cheumatopsyche	L	~~1111~~	5	"		
Hydropsyche betteni	L	X111	13	Schm Hils 1986		
Ceratopsyche slossonae	L	1	1	"		
Ptilostomis	L	1	1	Hils 1995		
Lepidoptera	L	1	1	~~[illegible]~~ 2008 Daly	terr?	
Optioservus	L	111	3	Hils Schm 1992	imm	N
O. fastiditus L,11 A,1	L,A	X11	12	"		
Stenelmis	L	111	3	"		N
S. crenata	A	1	1	"		
Ceratopogon culicoidithorax	L	1	1	Hils 1995		
Bezzia/Palpomyia	L	-	5	"		
Hemerodromia	L	1	1	Court Merr 2008		
Ephydridae	L	1	1	"		
Simulium tuberosum species complex	L	1	1	Adl et al 2004		
Corynoneura	P	11	2	Ferr et al 2008		
Thienemanniella	P	1	1	"		N
Tvetenia	P	1	1	"		N
Gammarus pseudolimnaeus	A	X-111	18	Hols 1972		
Mermithidae	A	1	1	Thorp Rog 2016	imm	
Naidinae	A	11	2	Brinkh 1991		
Tubificinae (without hairs)	A	-1111	9	Klemm 1985		
Megadrili = Metagynophora	A	1	1	Thorp Rog 2016		
Erpobdella punctata punctata	A	1	1	Klemm 1985		
Fossaria	A	1	1	Thorp Cov 1991		
Physa	A	1	1	Thorp Rog 2016		
Pisidium	A	1	1	Burch 1972		
~~Split to Chironomidae~~	~~L~~	~~X1~~ JWD				
Tvetenia bavarica group	L	X1	6	Bode 1983		

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Corynoneura OB270700	L	I	1	Cran Epl 2013		
Thienemanniella group	L	II	2	"	imm	N
Brillia	L	I	1	And+3 2013	imm	N
Corynoneura	L	II	2	"		N
Brillia flavifrons	L	I	1	Epler 2001		
Metriocnemus eurynotus group	L	I	1	And+3 2013		
Parametriocnemus	L	II	2	"		
Thienemanniella xena	L	III	3	Bolton 2012		
Micropsectra	L	-I	6	Epl et al 2013		
Paratanytarsus sp A	L	III	3	Hils unpubl		
Polypedilum (Polypedilum) fallax group	L	I	1	Bolton 2012		
P. (P.) illinoense group	L	I	1	"		
P. (Uresipedilum) aviceps	L	I	1	"		
Rheotanytarsus	L	0-III	29	Epl et al 2013		