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 Cr.	1242800	20180911-25-03

Sampling Location	**Database Key**
US Amacher Hollow Rd.	168762193

SWIMS Station ID	**SWIMS Station Name**
10051103	UNNAMED TRIB. WBIC: 1242800 OF MILL CR. DS AMACHER HOLLOW RD.

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.11093	-89.98484	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**	
4.0	1.0	1	**Replicate No.** 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)**
13.0	10.0	110	7.8		120

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)**
	0.10	0.40

Composition of Substrate Sampled (Percent):

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

Sand: _____ 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 (%)** 10

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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	N	
- Planktonic Algae		
Iron Bacteria	N	
Macrophytes	N	
Slimes	N	
Other - Specify:		
Physical		
Bank Erosion	N	
Channelization: - Upstream	U	
- Downstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream	PL	
- Downstream		
Low Flow		
Sedimentation	N	
Sludge	N	
Thermal	N	
Turbidity	N	
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	
Dissolved Oxygen	N	
Nutrients (P, N...)	N	
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	
Point Source - Specify:		
Pasturing of Livestock	PL	PL
Runoff: - Barnyard	PL	
- Construction	N	
- Cropland	N	
- Urban	N	N
Septic Systems		
Tile Drainage - Organic Soils		
- Mineral Soils		
Springs		
Tributary(s)		
Wetland		
Other - Specify:		

Comments: Only 2 cows in pasture, good vegetated buffer in entire corridor

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Abby Adams	Dimick, Jeffrey	33%
Date Processed	**Specimens Saved**	
4-12-19	Subsample archived in ABL until Jan 2022	

A3 A1 E1 D1 B2 C1 Total = 165
44 29 28 21 43

Wisconsin Department of Natural Resources
ABL SampleNum: **20180911-25-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary to Mill Creek**
SWIMS Database Key: **168762193**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L	I	1	Klub 2016	mm	N
B. bauneicolas	L	IIII	4	"		
Stenacron	L	I	1	"	mm	N
S. interpunctatum	L	I	1	"		
Cheumatopsyche	L	II	2	Hils 1995		
Hydropsyche betteni	L	88-II	87	Schm Hils 1986		
Ceratopsyche slossonae	L	II	2	"		
Optioservus fastiditus	A	II	2	Hilsschm 1992		
Hemerodromia	L	I	1	CourtMeyr 2008		
Ephydridae	P	II	2	Merr Webb 2008		
Simulium	L	I	1	Adl et al 2004	dam	Y
S. vittatum species complex 08110217	L	-III	9	"		
S. pilosum	L	II	2	"		
Simulium	P	IIII	4	"		
Simulium venustum species complex	L	I	1	"		
Tipula	L	II	2	Hils 1995		
Polypedilum	P	I	1	Ferr et al 2008		N
Gammarus pseudolimnaeus	A	X	10	Hols 1972		
Caecidotea intermedia	A	I	1	Will 1972		
Naidinae	A	I	1	Brinkhc 1991		
Tubificinae (without hairs)	A	II	2	Klemm 1985		
Mecadrili = Metagynophora	A	I	1	Thorp Rog 2016		
Fossaria	A	I	1	Thorp Cov 1991		
Pseudosuccinea columella	A	-	5	Burch 1989		
Tvetenia bavarica group	L	X III	13	Bode 1983		
Parametriocnemus	L	I	1	Andt 3 2013		
Micropsectra	L	II	2	Epl et al 2013		
Polypedilum (Polypedilum) illinoense group	L	III	3	Bolton 2012		
P. (Uresipedilum) aviceps	L	XIII	13	"		
Rheotanytarsus	L	II	2	Epl et al 2013		

<23 taxa, TVAL ≤ 2.0