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)**
MILL CREEK	1398600	20181022-50-04

Sampling Location	**Database Key**
Upstream of HWY C bridge	169405424

SWIMS Station ID	**SWIMS Station Name**
10051390	MILL CREEK AT CTH C

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.51889003	-89.66605726	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
CENTRAL WISCONSIN	MILL CREEK	PORTAGE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
TAYLOR HASZ	WEST DISTRICT NC STREAM STRATIFIED SITES 2018

Sampling Device

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

Habitat Sampled

- [ ] Riffle
- [X] 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** ___
3	3	1	Replicate No. 1 of 1

Reason For Sampling

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

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

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)**

Composition of Substrate Sampled (Percent):

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

Sand: _____ Clay: _____ Silt/Muck: 40 Overhanging Vegetation: 40

Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) n/a **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	N	U
- Filamentous Algae	N	U
- Planktonic Algae	N	U
Iron Bacteria	U	U
Macrophytes	PL	U
Slimes	N	U
Other - Specify:		
Physical		
Bank Erosion	PL	U
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	PL	U
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	N	N
Sedimentation	PL	U
Sludge	N	U
Thermal	U	U
Turbidity	PL	U
Other - Specify:	N	U

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

Comments
Very wide slow stream. no riffles to sample. Sampled stream margins & Aquatic macrophytes.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kayla Wilcox	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
8/22/19	125	

E3= 3 1/3 A3=12
D2= 3 =125

Subsample archived in ABL until Oct 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181022-50-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **Mill Creek**
SWIMS Database Key: **169405424**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Callibaetis	L	1	1	Klub 2016		
Caenis	L	1	1	"	imm	N
C. punctata	L	IIII	4	"		
Stenacron	L	1	1	"	imm	
Stenonema femoratum	L	II	2	"		
Leptophlebia	L	III	3	"	imm	
Coenagrionidae	L	II	2	West May 1996	imm	
Chevmatopsyche	L	1	1	Hils 1995		
Dubiraphia	L	II	2	Hils Schm 1992		N
D. minima	A	X	10	"		
Macronychus glabratus	L	1	1	"		
Dineutus assimilis	A	III	3	Hils 1990		
Haliplus ~~fortitipennis~~ connexus	A	1	1	Hils Berg 1978		
Peltodytes edentulus	A	II	2	"		
Gammarus pseudolimnaeus	A	88 IIII	74	Hils 1972		
Hyalella wellborni	A	1	1	Soucek et al 2015		
Caecidotea racovitzai racovitzai	A	II	2	Will 1972		
Belostoma flumineum	A	1	1	Hils 1984a		
Hesperocorixa michiganensis	A	1	1	"		
H. semilucida	A	1	1	"		
H. atopodonta	A	1	1	"		
Sigara signata	A	III	3	"		
S. alternata	A	1	1	"		
S. grossolineata	A	1	1	"		
Ranatra fusca	A	1	1	"		
Cyclopidae	A	IIII	4	Thorp Rog 2016		
Daphniidae	A	IIII	4	"		
Albetisiphonia heteroclita	A	1	1	Klemm 1985		
Physa	A	1	1	Thorp Rog 2016		
Procladius (Holotanypus)	L	II	2	Coal Ept 2013		
Psectrocladius	L	1	1	And+3 2013		
Cladotanytarsus	L	1	1	Ept et al 2013		
Cryptotendipes	L	II	2	"		
Micropsectra	L	1	1	"		
Polypedilum (Polypedilum) illinoense group	L	1	1	Bolton 2012		
Tanytarsus	L	II	2	Ept et al 2013		