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	20201123-72-03

Sampling Location	**Database Key**
~40m upstream 29th St bridge	250467540

SWIMS Station ID	**SWIMS Station Name**
723271	MILL CREEK - 29TH ST. (MARSHFIELD)

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.641685	-90.174917	SWIMS SWDV GPS	WGS84 or NAD83

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

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
TAYLOR HASZ	MILL CREEK TWA 2020 (319 PROJECT-FUNDED)

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** ___
1	1	1	1 of 1

Reason For Sampling

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

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)

- [ ] Slow (< 0.15 m/s)
- [X] 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)**
	.3	1.2

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 30

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

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

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 0

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

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

Comments: Sampled ~40 m upstream 29th Street bridge in riffle. Substrate consisted of cobble and gravel with some areas of sand.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Dimick, Jeffrey	Dimick, Jeffrey	14.1
Date Processed	**Specimens Saved**	
6/10/2021	Subsample archived in ABL until Jul 2024	

A2 q 4-21, 2-13, 1-18, 3-16
B4 q 2-7, 1-8, 4-13, 3-16
D4 q 2-22, 1, 3, 4

~~HZ~~ JD
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Wisconsin Department of Natural Resources
ABL SampleNum: **20201103-72-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Mill Creek**
SWIMS Database Key: **250467540**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Cheumatopsyche	L	-111	8	MCB 2019		
Hydropsyche betteni	L	o-	25	Schm/Hils 1986		
Stenelmis crenata	A	1	1	Hils Schm 1992		
Nemerocromia	L	x1	11	MCB 2019		
Neoplasta	L	1	1	"		
Crangonyx	A	1	1	Thorp/Rog 2016	fem	
Mermithidae	A	1	1	"		
Physa	A	1	1	"		
Gyraulus deflectus	A	111	3 JJD			
Naidinae	A	1111	4	Kath Brin 1998		
Tubificinae (without hairs)	A	1	1	"		
~~Split A2a Chironomidae~~	~~L~~	~~8x JJD~~				
~~Split A2b Chironomidae~~	~~L~~	~~8111 JJD~~				
Thienemannimyia group	L	11	2	And et al 2013	imm	
Orthocladiinae	L	-1111	9	"	imm	N
Cricotopus	L	-111	8	"		N
C. (Cricotopus) bicinctus group	L	111	3	"		
C. (C.) tremulus group	L	80	60	"		