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	1400030	20201102-72-02

Sampling Location: ~ 50 m upstream CTH N bridge

Database Key: 250467552

SWIMS Station ID	**SWIMS Station Name**
723135	UNN CK 12-13 AT CTH N

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.576908	-89.847067	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**
2	2	1	1	1

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)**

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)**
	.4	1.2

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 40

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

Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 60

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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	PL	U
Iron Bacteria	N	N
Macrophytes	N	N
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	PL	PL
Channelization: - Upstream	PL	PL
- Downstream	PL	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:	N	U
Pasturing of Livestock	N	PL
Runoff: - Barnyard	N	PL
- Construction	N	U
- Cropland	PL	PH
- Urban	N	PL
Septic Systems	U	U
Tile Drainage - Organic Soils	U	U
- Mineral Soils	U	U
Springs	N	U
Tributary(s)	N	U
Wetland	PL	PL
Other - Specify:		

Comments ~ Sampled 58m upstream CTH N bridge in a small riffle. Sampled mostly cobble and gravel areas.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	6.7%
Date Processed	**Specimens Saved**	
5/11/21	153 subsample archived in DGL until Jul 2024	

49 E1Q1 2.2hrs
26 B2Q3
45 E1Q4 2 hrs
33 B2Q1

Wisconsin Department of Natural Resources
ABL SampleNum: **20201102-72-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Creek 12-13**
SWIMS Database Key: **250467552**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Accepenna	L	I	1	MCB 2019	dam	
Stenonema femoratum	L	III	3	"		
Leptophlebia	L	II	2	"	imm	
Cheumatopsyche	L	0-1	26	"		
Hydropsyche betteni	L	III	3	Schm Hils 1986		
Baetidae	L	I	1	MCB 2019	dam	N
Trichoptera Integripalpia	L	II	2	"	imm	Y
Optioservus	L	8-11	37	"	imm	N
O. fastidiosus L, 12 A, 3	L,A	X-I	15	Hils Schm 1992		
Stenelmis	L	X-I	16	MCB 2019		N
S. crenata	A	-	5	Hils Schm 1992		
Probezzia	L	I	1	Hils 1995		
Bezzia/Palpomyia	L	IIII	4	"		
Hemerodromia	L	I	1	MCB 2019		
Hyalella azteca	A	II	2	Sweet et al 2015		
Spercheontidae	A	III	3	Peck et al 1990		
Ferrissia rivularis	A	-II	7	Thorp Pog 2016		
Tubificinae (without hairs)	A	I	1	Kath Brin 1998		
~~Split A2 Chironomidae~~	L	~~0-1 III~~				
Cladotanytarsus	L	III	4	And et al 2013		
Thienemanniella group	L	I	1	"	mt indet	
Orthocladiinae Cricot/Ortho	L	I	1	"	mt indet	Y
Brillia	L	III	3	"	imm	
Corynoneura	L	I	1	"		
Diplocladius	L	I	1	"		
Hydrobaenus	L	I	1	"		
Microspectra	L	II	2	"		
Micropendipes pedellus group	L	I	1	"		
Paratanytarsus	L	I	1	"	mt indet	Y
P. longistilus	L	I	1	"		
Polypedilum	L	I	1	"	mt indet	Y
P.(Uresipedilum) flavum	L	III	4	Bolton 2012		
Rheotanytarsus	L	I	5	And et al 2013		
Tanytarsus	L	I	1	"		