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 to Bear Creek	1398900	20201008-50-03

Sampling Location	**Database Key**
100 m upstream	250467576

SWIMS Station ID	**SWIMS Station Name**
~~10053978~~ 10054198	UNNAMED TRIB TO BEAR CREEK AT ~~CTH C~~ Nicks Lane

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.518886	-89.749662	SWIMS SWDV GPS	WGS84 or NAD83

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

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
- [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	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)**
9.82	4.68	41.2	7	175	

Water Color

- [ ] Clear
- [X] 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)**
	.7	1

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 10

Sand: 30 Clay: _____ Silt/Muck: 20 Overhanging Vegetation: 30

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

Embeddedness of Substrate at Sample Site (%) 10 **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	U
Macrophytes	PL	U
Slimes	N	U
Other - Specify:		
Physical		
Bank Erosion	PL	PH
Channelization: - Upstream	N	U
- Downstream	PL	U
Hydraulic Scour / Channel Incision	N	U
Impoundment: - Upstream	N	N
- Downstream	N	N
Low Flow	PL	PL
Sedimentation	PL	PL
Sludge	N	U
Thermal	N	U
Turbidity	PL	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	PH
Toxics: - Inorganic (Metals)	N	U
- Organic (PCBs, pesticides...)	U	U
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	PL	PH
Point Source - Specify:	N	U
Pasturing of Livestock	N	PL
Runoff: - Barnyard	N	PL
- Construction	N	U
- Cropland	PH	PH
- Urban	PL	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 upstream 60 m in very small riffle and overhanging veg. somely difficult due to low flow conditions and substrate type.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
5/3/21	138 Subsample archived in ABL until Jul 2024	

35 28+42+33
DL A1/A2
2.2hrs 1.5hrs + 3.2hrs

Wisconsin Department of Natural Resources
ABL SampleNum: **20201008-50-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary (1398900) to Bear Creek**
SWIMS Database Key: **250467576**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Ptilostomis	L	I	1	MCB 2019		
Diptera	L	III	3	"		
Helophorus orientalis	A	II	2	Hils 1995a		
Diptera (Brachycera)	P	II	1	MCB 2019		N
Dasyhelea	L	I	1	Hils 1995		
Probezzia	L	-I	6	"		
Bezzia/Palpomyia	L	I	1	"		
Orthocladius (Orthocladius)	P	I	1	Wiederholm 1986		
Ephydridae	L	I	1	MCB 2019		
Simulium vittatum species complex 08110201	L	II	2	Adler et al 2004		
Cranogyx	A	I	1	Thorp Rog 2014	dam	
Hyalella spinicauda	A	I	1	Soucek et al 2015		
Trombidiformes	A	II	2	Thorp Rog 2014	imm	
Belostoma flumineum	A	I	1	Hils 1984a		
Cyclopidae	A	I	1	Thorp Rog 2014		
Helisoma anceps	A	II	2	Burch 1989		
Pisidium	A	XI	11	Thorp Rog 2014		
Fossaria	A	I	1	Burch 1989		
Podocopida	A	I	1	Thorp Rog 2014		
Cheumatopsyche	L	I	1	MCB 2019		
Vejdovskyella	A	II	2	Kath Brin 2004 1998		
Tubificinae (with hairs)	A	III	3	"		
Tubificinae (without hairs)	A	X-LHT	20	"		
~~Split Aza Chironomidae~~	L	~~8X-WD~~				
~~Split Azb Chironomidae~~	L	~~8X-WD~~				
~~Split Azc Chironomidae~~	L	~~X-WA~~				
Corynoneura	L	I	1	Arc et al 2013		
Tampodinae	L	I	1	"	mt indet	N
Conchapelopia	L	II	2	"		
Zavrelimyia	L	III	3	"		
Thienemanniella group	L	II	2	"	imm	N
Orthocladiinae (Euk/Tet)	L	I	1	"	mt indet	Y
Cricotopus (Cricotopus) trifascia group	L	I	1	"		
Limnophyes	L	II	2	"		
Chironomus	L	II	2	"		
Micropsectra	L	98X-III	98	"		
Stictochironomus	L	I	1	"		