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 mill creek	1400300	20201006-72-01

Sampling Location: ~35m upstream CTH N bridge

Database Key: 250467580

SWIMS Station ID	**SWIMS Station Name**
10053925	UNNAMED TRIB TO MILL CREEK AT CTH N

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.584459	-89.900437	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
- [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**
4	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)**
8.65	6.75	57.9	7.43	447	

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)**
	.2	1

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 55

Sand: 25 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 80

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

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

Comments: Sampled ~35m upstream of CTH N bridge. Tried to sample riffles but shallow water prohibited sampling to an extent. Followed up by sampling some runs. Gravel and sand made up most of the substrate sampled.

Special Instructions for Laboratory

7pm

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Jovanna Erickson	Dimick, Jeffrey	10%
Date Processed	**Specimens Saved**	
4/28/2021	Subsample 138 archived in ABL until Jul 2024	

E3:2	15	E3:3	11	~~X~~	Total specimen: 138
B3:4	33	B3:2	31	X	10hrs
E3:4	11	E3:1	X		
B3:1	37	B3:3	X		

60

96

Wisconsin Department of Natural Resources
ABL SampleNum: **20201006-72-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary (1400300) to Mill Creek**
SWIMS Database Key: **250467580**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Rhyacophila	L	II	2	MCB 2019		
Ceraclea	L	I	1	"		
Ptilostomis	L	I	1	"		
Dubiraphia	L	01	21	"		
Optioservus fastiditus	L	~~10~~ I	1	Hilsenhoff 1992		
Stenelmis	L	I	1	MCB 2019		
Dytiscidae	L	I	1	"	imm	
Staphylinidae	A	I	1	"		
Colicoides	L	I	1	Hilsenhoff 1995		
Probezzia	L	II	2	"		
Chrysops	L	I	1	MCB 2019		
Hyalella azteca	A	II	2	Soucek et al 2015		
Caecidotea intermedia	A	8x	50	Will 1972		
Cyclopidae	A	II	2	Thorp Rog 2016		
Enchytraeidae	A	II	2	"		
Naidinae	A	01	21	Kath Brinkhurst 1998		
Tubificinae (with hairs)	A	I	1	"		
Tubificinae (without hairs)	A	-1	6	"		
~~Split A2a Chironomidae~~	~~L~~	~~8x JJD~~				
~~Split A2b Chironomidae~~	~~L~~	~~+ JJD~~				
Tanypodinae	L	I	1	Andersen et al 2013	mt indet	Y
Thienemanniella group	L	II	2	"	imm	
Parametriocnemus	L	I	1	"		
Chironomus	L	II	2	"		
Micropsectra	L	I	1	"		
Microtendipes pedellus group	L	III	4	"		
Paratendipes	L	01	21	"		
Polypedilum (Uresipedilum) flavum	L	I	1	Bolton 2012		
Stictochironomus	L	011	22	Andersen et al 2013		