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)**
TISCH MILLS CREEK	85500	20191010-31-17

Sampling Location	**Database Key**
Collegiate Road	209711213

SWIMS Station ID	**SWIMS Station Name**
10039486	TISCH MILLS CREEK AT COLLEGIATE RD

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

Basin (WMU)	**Watershed Name**	**County**
TWIN - DOOR - KEWAUNEE	EAST TWIN RIVER	KEWAUNEE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
MARY GANSBERG	NE LAKESHORE TMDL SUPPLEMENTAL MONITORING 2019

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** ____
5	2	1	

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
12.9	8.6	81.0	7.8	751	

Water Color

- [ ] Clear
- [ ] Turbid
- [X] 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)**
	0.5	5

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 40

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

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

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

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

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Sam Camarche	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
3/5/20	128 total specs	

E1 D3 A1
36 38 54 128 total

Subsample archived in ABL until Aug 2023

Wisconsin Department of Natural Resources
ABL SampleNum: **20191010-31-17**
Taxonomist: Dimick, Jeffrey

Waterbody: **Tisch Mills Creek**
SWIMS Database Key: **209711213**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	\	1	Kluh 2016		
Maccaffertium vicarium	L	~11	7	"		
Stenacron	L	|	1	"	imm	
Leptophlebia	L	x1	11	"	imm	
Taeniopteryx	L	\	1	Hils 1995	imm	
Helicopsyche borealis	L	11	2	"		
Cheumatopsyche	L	x	10	"		
Hydropsyche betteni	L	11	2	SchmHils 1986		
Mystacides sepulchralis	L	(	1	Bright 2013		
Oecetis	L	11	2	Hils 1995	imm	
Dubiraphia	L	|	1	HilsSchm 1992		
Optioservus	L	x-1	26	"	imm	N
O. fastiditus L,12 A,4	L,A	x-1	16	"		
Stenelmis	L	\	1	"		N
S. crenata	A	|	1	"		
Nemerodromia	L	|	1	MerrCummB 2019		
Chrysops	L	111	3	Hils 1995		
Orthocladiinae 08300001	P	\	1	MerrCummB 2019	dam	N
Corynoneura	P	\	1	"		
Gammarus pseudolimnaeus	A	1111	4	Hols 1972		
Caecidotea	A	~11	7	Will 1972	fem/imm	
Limnesia	A	\	1	Pluchino 1984		
Lumbriculus	A	\	1	ThorpRog 2016		
Laevapex fuscus	A	|	1	"		
Fossaria	A	11	2	Brown 1991		
Physa	A	11	2	ThorpRog 2016		
Pisidium	A	111	3	Mackie 2007		
Sphaerium	A	|	1	"		
~~Split A2 Chironomidae~~	~~L~~	~~oHH 11~~	~~(10)~~			
Brillia	L	\	1	And+3 2013	imm	
Corynoneura	L	\	1	"		N
Microtendipes pedellus group	L	|	1	Epl et al 2013		
Conchapelopia 08270700	L	11	2	CranEpl 2013		
Orthocladius (Orthocladius)	L	111	3	And+3 2013		
Stilocladius	L	\	1	"		
Thienemanniella xena	L	\	1	Bolton 2012		
Cladotanytarsus	L	\	1	Epl et al 2013		

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Diplocladius	L	1	1	And+3 2013		
Micropsectra	L	1	1	Epl et al 2013		
Paratanytarsus longistilus	L	-11	7	"		
P- species A	L	1	1	Wils unpubl		
Polypedilum	L	1	1	Epl et al 2013	imm	N
P.(Polypedilum) illinoense group	L	1	1	Bolton 2012		
Rheotanytarsus	L	1	1	Epl et al 2013		
Stempellinella	L	1	1	"		
Tanytarsus	L	1	1	"		