State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 08/14)

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
Mill Creek	1398600	20211006-50-02

Sampling Location: Mill Creek @ Robin Ln End

SWIMS Station ID	**SWIMS Station Name**	**Database Key**
10052186	Mill Cr @ Robin Road	2906086638

Latitude	**Longitude**	**Lat/Long Determination method (circle)**	**Datum Used if using GPS**
44.49679	89.65152	(SWIMS) SWDV GPS	NAD 27 or NAD83

Basin (WMU)	**Watershed Name**	**County**
Central Wisconsin	Mill Creek 0707000302	Portage

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Provost, S. + Hutchinson, C.	Mill Creek TWA

Sampling Device

- [x] Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [ ] Riffle
- [x] Run
- [x] Pool
- [ ] Other
- [x] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m²)**	**Number of Samples in Composite**	**Replicate No.** / **of**
7	2	1	1 / 1

Reason for Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: WTA

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
16.6°C	7.3	75.3	7.4	534	

Water Color

- [ ] Clear
- [ ] Turbid
- [x] 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: mps **or** cfs)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 40 Rubble (tennisball to basketball): 23 Gravel (ladybug to tennisball.): 15

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

Aquatic Macrophytes: 5 Leaf Snags: 2 Course Woody Debris: 5 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 5

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	N	N
- Planktonic Algae	N	N
Iron Bacteria	N	U
Macrophytes	N	U
Slimes	N	U
Other - Specify:		
Physical		
Bank Erosion	PH	PL
Channelization - Upstream	PL	U
- Downstream	PL	U
Hydraulic Scour / Channel Incision	PL	U
Impoundment: - Upstream	N	U
- Downstream	N	U
Low Flow	PL	U
Sedimentation	PL	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)	U	U
- Organic (PCBs, pesticides ...)	U	U
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	PL	U
Point Source - Specify:	PL	U
Pasturing of Livestock	U	U
Runoff: - Barnyard	N	U
- Construction	N	U
- Cropland	N	U
- Urban	N	U
Septic Systems		
Tile Drainage - Organic Soils	N	U
- Minerals soils	N	U
Springs	N	U
Tributary(s)	N	U
Wetland	PL	U
Other - Specify:		

Comments:
Total sort 20220505 JV

Special Instructions for Laboratory:

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Walters, Selina	Dimick, Jeffrey	100%
Date Processed	**Specimens Saved**	
5/5/22	97 Subsample archived in IBL cntrl Jul 2025	

DZ BI
Q4:0 Q1:2
Q3:3 Q2:5
Q2 72 Q4: 73
Q1 Q3

3 16 6 4 6
1 5 25 3 6
2 4 25 3 5
3 5 2 2

Wisconsin Department of Natural Resources
ABL SampleNum: **20211006-50-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Mill Creek**
SWIMS Database Key: **290608638**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Heptageniidae	L	I	1	MCB 2019	imm	Y
Stenonema femoratum	L	I	1	"		
Leptophlebiidae	L	III	3	"	dam/imm	N
Leptophlebia	L	II	2	"	imm	
Calopteryx	L	I	1	"	imm	N
C. maculata	L	I	1	Westfall May 1996		
Enallagma	L	I	1	MCB 2019	imm	
Belostoma flumineum	A	-II	7	Hils 1984a		
Sigara compressoidea	A	I	1	"		
Ranatra fusca	A	XII	12	"		
Limnephilidae	L	8IIII	44	MCB 2019	imm	N
Pycnopsyche	L	II	2	"		
Laccophilus maculosus	A	III	3	Hils 1992		
Macronychus glabratus	L	II	2	Hils 1995		
Gyrinus lecontei	A	II	2	Hils 1990		
Molanna	L	I	1	MCB 2019	imm	
Chrysops	L	I	1	"		
Crangonyx	A	I	1	ThorpRog 2016	fem	
Gammarus pseudolimnaeus	A	-II	7	Hols 1972		
Caecidotea	A	III	3	ThorpRog 2016	fem/imm	
Sphaerium	A	II	2	"	imm	
Tubificinae (without hairs)	A	I	1	KathBrin 1996		
Orconectes rusticus	A	I	1	HobbsJass 1988		
~~Split A2 Chironomidae~~	~~L~~	~~off~~ JJD				
Corynoneura	L	I	1	And et al 2013		
Thienemannimyia	L	III	3	"		
Thienemannimyia group	L	I	1	"	imm	N
Orthocladius (Orthocladius)	L	I	1	"		
Parakiefferiella	L	I	1	"		
Glyptotendipes	L	I	1	"		
Micropsectra	L	/	5	"		
Paratendipes	L	II	2	"		
Phaenopsectra punctipes	L	I	1	Bolton 2017		
P. ~~obediens group~~ JJD flavipes	L	I	1	~~Epler 2001~~ Bolton 2017	imm	
Rheotanytarsus	L	II	2	And et al 2013		
Stictochironomus	L	I	1	"		

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Taxonomist: Dimick, Jeffrey

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Tanytarsus	L	ıı	2	And et al 2013		