

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name <i>Mill Creek</i>	Waterbody ID Code <i>1398600</i>	Sample ID (YYYYMMDD-CY-FD) <i>20211006-50-01</i>

Sampling Location  
*Mill Creek @ PP Bridge*

SWIMS Station ID <i>10012666</i>	SWIMS Station Name <i>Mill Creek @ PP Bridge</i>	Database Key <i>290608626</i>
Latitude <i>44.47313</i>	Longitude <i>89.65803</i>	Lat/Long Determination method (circle) <input checked="" type="checkbox"/> SWIMS <input type="checkbox"/> SWDV <input type="checkbox"/> GPS
Datum Used if using GPS NAD 27 or NAD83		

Basin (WMU) <i>Central Wisconsin</i>	Watershed Name <i>Mill Creek 0707000302</i>	County <i>Portage</i>
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Sample and Site Descriptors	
Sample Collector (Last Name, First) <i>Provost, S.; Hutchinson, C.</i>	Project Name <i>Mill Creek WTA</i>

Sampling Device	<i>Mill Creek WTA 2020-2021 continuation (319 project funded)</i>	
<input checked="" type="checkbox"/> Kick Net <input type="checkbox"/> Ponar	<input type="checkbox"/> Surber Sampler <input type="checkbox"/> Artificial Substrate	<input type="checkbox"/> Eckman <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____

Habitat Sampled	<input checked="" type="checkbox"/> Riffle	<input type="checkbox"/> Run	<input type="checkbox"/> Pool
<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Shoreline Composite	<input type="checkbox"/> Proportionally-Sampled Habitat	
<input type="checkbox"/> Littoral Zone	<input type="checkbox"/> Profundal Zone	<input type="checkbox"/> Wetland	

Total Sampling Time (min) <i>8</i>	Estimated Area Sampled (m <sup>2</sup> ) <i>2</i>	Number of Samples in Composite <i>1</i>	Replicate No. <i>1</i> of <i>1</i>
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Reason for Sampling	<input type="checkbox"/> Least Impacted Reference	<input type="checkbox"/> Baseline	<input type="checkbox"/> Impact / Treatment Site
<input type="checkbox"/> Control Site	<input type="checkbox"/> Trend	<input checked="" type="checkbox"/> Other: <i>TWA</i>	

Water Temp. (C) <i>16.6</i>	D.O. (mg/l) <i>7.3</i>	D.O. (% sat.) <i>74.9</i>	pH (su) <i>7.7</i>	Conductivity (umhos/cm) <i>449.8</i>	Transparency (cm)
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Water Color	Estimated Stream Velocity (m/s)
<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	<input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)

Measured Velocity circle units mps or cfs	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: *1* Boulders (basketball or larger): *40* Rubble (tennisball to basketball): *20* Gravel (ladybug to tennisball.): *20*

Sand: *10* Clay: *1* Silt/Muck: *1* Overhanging Vegetation: *1*

Aquatic Macrophytes: *5* Leaf Snags: *1* Course Woody Debris: *5* Other ( ): \_\_\_\_\_

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



# Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 08/14)

Page 2 of 2

## 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	Watershed	Factors that may be Influencing Water Resource Integrity	Local	Watershed
<b>Biological</b>			<b>Chemical</b>		
Algae: - Diatoms / Periphyton	N	U	Chlorine	N	U
- Filamentous Algae	N	U	Dissolved Oxygen	N	U
- Planktonic Algae	N	U	Nutrients (P, N,...)	PL	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	N	U
Macrophytes	PL	PL	- Organic (PCBs, pesticides ...)	N	U
Slimes	N	U	Other - Specify:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
<b>Physical</b>			Bank Erosion	PL	U
Bank Erosion	PL	U	Point Source - Specify:	N	U
Channelization - Upstream	N	N	Pasturing of Livestock	N	U
- Downstream	N	N	Runoff: - Barnyard	N	U
Hydraulic Scour / Channel Incision	N	U	- Construction	N	U
Impoundment: - Upstream	N	U	- Cropland	N	U
- Downstream	N	U	- Urban	PL	U
Low Flow	N	U	<b>Septic Systems</b>		
Sedimentation	PL	U	Tile Drainage - Organic Soils	N	U
Sludge	N	U	- Minerals soils	N	U
Thermal	N	U	Springs	N	U
Turbidity	N	U	Tributary(s)	PL	U
Other - Specify:			Wetland	N	U
			Other - Specify:		

**Comments:**

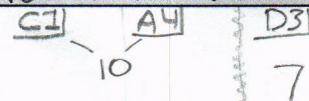
Samples taken just upstream of bridge on other side of riffles for more diverse habitat and better frame of stream

**Special Instructions for Laboratory:**



**For Lab Use Only**

Sample Sorter <i>Undlin, Dylan</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted 100
Date Processed 5/4/2022	Specimens Saved subsample 83 archived in ABL until Jul 2025	



Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acentrella turbida</i>	L	1	1	Kuh 2016		
<i>Leucocyta</i>	L	1	1	MCB 2019		
<i>Maccaffertium mediopunctatum</i>	L	11	2	Kuh 2016		
Leptophlebiidae	L	1	1	MCB 2019	dam	
Calopterygidae	L	1	1	"	dam	
Coenagrionidae <i>Enallagma</i>	L	1	1	"	imm	
<i>Macromia</i>	L	1	1	"	imm	
<i>Belostoma flumineum</i>	A	1	1	Hils 1984a		
<i>Neopha striola</i>	A	1	1	Hils 1995		
<i>Cheumatopsyche</i>	L	11	2	MCB 2019		
Limnephilidae	L	OUT	25	"	imm	
<i>Chimarra obscura</i>	L	1	1	Hils 1982		
Hydroptilidae	L	1	1	MCB 2019	dam	
<i>Dixitaphia</i>	L	1	1	"		
<i>Optioservus</i>	L	1	1	"	imm	N
<i>O. fastiditus</i>	L	1	1	Hils Schm 1992		
<i>Stenelmis crenata</i>	A	1	1	"		
<i>Rheocricotopus</i>	P	1	1	MCB 2019		
Culicidae	P	1	1	"	dam	
<i>Simulium jenningsi</i> species group	L	1	1	Adl et al 2004		
<i>Gaeranyx</i>	A	1	1	Thorp Res 2016	fem	
<i>Gammarus pseudolimnaeus</i>	A	1	1	Hils 1972		
<i>Caecidotea racovitzai racovitzai</i>	A	11	7	Will 1972		
<i>Pisidium</i>	A	1	1	Thorp Res 2016		
Unionidae (without hams)	A	11	2	Kath Brin 1998		
Branchiopoda Cladocera	A	1	1	Thorp Res 2016	dam	
Split A2 Chironomidae	L	ST-JVD				
<i>Cladotanytarsus</i>	L	11	7	And et al 2013		
Orthocladiinae	L	1	1	"	imm	N
<i>Hydrobaenus</i>	L	1	1	"		
<i>Orthocladius (Orthocladius)</i>	L	11	2	"		
<i>Theremanniella</i>	L	1	1	"	imm	
<i>Oicotendipes</i>	L	1	1	"		
<i>Microtendipes pedellus</i> group	L	1	1	"		
<i>Polypedilum (Polypedilum) illinoense</i> group	L	all	4	Bolton 2012		
<i>P. (Tripodura) scalaeum</i> group	L	11	2	"		



