

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name <u>Mill Creek</u>	Waterbody ID Code <u>1398600</u>	Sample ID (YYYYMMDD-CY-FD) <u>20211012-72-06</u>
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Sampling Location

SWIMS Station ID <u>10029069</u>		SWIMS Station Name <u>Mill Creek @ CTH F</u>	Database Key <u>290608799</u>
Latitude <u>44.58249</u>	Longitude <u>89.91906</u>	Lat/Long Determination method (circle) <u>SWIMS</u> SWDV GPS	Datum Used if using GPS NAD 27 or NAD83
Basin (WMU) <u>Central Wisconsin</u>		Watershed Name <u>Mill Creek 0707000302</u>	County <u>Wood</u>

Sample and Site Descriptors

Sample Collector (Last Name, First) <u>Hutchinson, Colton</u>	Project Name <u>Mill Creek TWA</u>
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Sampling Device

☒ Kick Net	☐ Surber Sampler	☐ Eckman
☐ Ponar	☐ Artificial Substrate	☐ Hess Sampler ☐ Other: _____

Habitat Sampled

☒ Riffle	☒ Run	☐ Pool
☐ Other	☒ Shoreline Composite	☐ Proportionally-Sampled Habitat
☐ Littoral Zone	☐ Profundal Zone	☐ Wetland

Total Sampling Time (min) <u>5</u>	Estimated Area Sampled (m ²) <u>2</u>	Number of Samples in Composite <u>1</u>	Replicate No. <u>1</u> of <u>1</u>
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Reason for Sampling

☐ Least Impacted Reference	☐ Baseline	☐ Impact / Treatment Site
☐ Control Site	☐ Trend	☒ Other: <u>TWA</u>

Water Temp. (C) <u>17.0</u>	D.O. (mg/l) <u>7.60</u>	D.O. (% sat.) <u>78.8</u>	pH (su) <u>9.18</u>	Conductivity (umhos/cm) <u>1161</u>	Transparency (cm)
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Water Color ☐ Clear ☐ Turbid ☒ Stained	Estimated Stream Velocity (m/s) ☒ Slow (< 0.15 m/s) ☐ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)
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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: <u>—</u>	Boulders (basketball or larger): <u>—</u>	Rubble (tennisball to basketball): <u>5</u>	Gravel (ladybug to tennisball.): <u>15</u>
Sand: <u>45</u>	Clay: <u>—</u>	Silt/Muck: <u>15</u>	Overhanging Vegetation: <u>10</u>
Aquatic Macrophytes: <u>2</u>	Leaf Snags: <u>4</u>	Course Woody Debris: <u>4</u>	Other (): <u>—</u>

Embeddedness of Substrate at Sample Site (%) <u>10</u>	Canopy Cover at Sample Site (%) <u>20</u>
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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	Water- shed	Factors that may be Influencing Water Resource Integrity	Local	Water- shed
Biological			Chemical		
Algae: - Diatoms / Periphyton	PL	PL	Chlorine	PL	U
- Filamentous Algae	PL	U	Dissolved Oxygen	N	U
- Planktonic Algae	N	U	Nutrients (P, N....)	U	U
Iron Bacteria	PL	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	PL	PL	- Organic (PCBs, pesticides ...)	U	U
Slimes	PL	PL	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
Physical			Bank Erosion	PH	PL
Bank Erosion	PH	PL	Point Source - Specify:	N	U
Channelization - Upstream	PL	U	Pasturing of Livestock	PL	U
- Downstream	PL	U	Runoff: - Barnyard	N	U
Hydraulic Scour / Channel Incision	U	U	- Construction	N	U
Impoundment: - Upstream	N	U	- Cropland	PL	U
- Downstream	N	U	- Urban	PL	PL
Low Flow	N	U	Septic Systems		
Sedimentation	PL	U	Tile Drainage - Organic Soils	U	U
Sludge	PL	U	- Minerals soils	U	U
Thermal	N	U	Springs	N	U
Turbidity	N	U	Tributary(s)	N	U
Other - Specify:			Wetland	N	U
			Other - Specify:		

Comments:

Special Instructions for Laboratory:

For Lab Use Only

Sample Sorter <i>Unellin, Dyken</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>18.75 %</i>
Date Processed <i>5/17/2022</i>	Specimens Saved <i>Subsample 127 archived in ABC until Jul 2025</i>	

D2
Q4 Q2 Q1 Q3
12 4 7 16

B2
Q3 Q4 Q1 Q2
14 20 9 4

C1
41

A3

Wisconsin Department of Natural Resources

ABL SampleNum: 20211012-72-06

Taxonomist: Dimick, Jeffrey

Waterbody: Mill Creek

SWIMS Database Key: 290608799

Page 1 of 2

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetisca laurentina</i>	L	I	1	Kub 2016		
<i>Stenocranus</i>	L	I	1	MCB 2019	imm	N
<i>S. interpinetatum</i>	L	III	4	Kub 2016		
<i>Coenagrionidae</i>	L	I	1	MCB 2019	imm	N
<i>Enallagma</i>	L	I	1	"	imm	
<i>Metrobates hesperus</i>	A	I	1	Hils 1986		
<i>Chamaetypus</i>	L	III	9	MCB 2019		
<i>Hydropsyche betteni</i>	L	"	2	Schmitts 1986		
<i>Hydropsyche</i>	L	"	2	MCB 2019		
<i>Phaenocarpa obesa</i>	A	I	1	Hils 1986		
<i>D. minima</i>	L	I	1	MCB 2019		N
<i>O. minima</i>	A	"	2	Hils 1986		
<i>O. fastidius</i>	A	I	1	"		
<i>Stenocranus crenata</i>	A	I	1	"		
<i>Chironomidae</i>	P	"	2	MCB 2019	dam	N
<i>Neoplasia</i>	L	I	1	"		
<i>Simulium vittatum</i> species complex 0810217	L	III	3	Del et al 2004		
<i>Gammarus pseudolimnoides</i>	A	I	1	Hils 1972		
<i>Hyalella wellborni</i>	A	"	2	Sauer et al 2005		
<i>Caecidotea intermedia</i>	A	III	3	Will 1972		
<i>Naideae</i>	A	I	1	Kath Brn 1992		
<i>Tubificidae</i> (without hairs)	A	III	3	"		
<i>Spittia</i> Chironomidae	L	8x 10				
<i>Spittia</i> Chironomidae	L	8x 10				
<i>Cricotopus</i> (Cricotopus) <i>tripascia</i> group	L	III	4	And et al 2013		
<i>Cladotanytarsus</i>	L	"	2	"		
<i>Chironomus</i>	L	I	1	"		
<i>Strobilichironomus</i>	L	I	1	"		
<i>Thienemannimyia</i>	L	I	1	"		
<i>Zaprionomyia</i>	L	I	1	"		
<i>Orthocladius</i> (Orthocladius)	L	I	1	"		
<i>Microsectra</i>	L	8x 11	57	"		
<i>Paratanytarsus</i> species A	L	"	7	Hils unpubl		
<i>Phaenosectra flavipes</i>	L	"	2	Bolton 2012		
<i>Polypedilum</i> (Polypedilum) <i>illinoense</i> group	L	"	5	"		
<i>P. (Cresipedium) flavum</i>	L	I	1	"		

<3 taxa, TOTAL 520

Taxonomist: Dimick, Jeffrey

Page 2 of 2

[illegible]