

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> Mill Creek	<b>Waterbody ID Code</b> 1398600	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20211007-50-05
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**Sampling Location**  
Mill Creek @ CTH 0

<b>SWIMS Station ID</b> 503022	<b>SWIMS Station Name</b> Mill Creek @ CTH 0	<b>Database Key</b> 290608795
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<b>Latitude</b> 44.57555	<b>Longitude</b> 89.74773	<b>Lat/Long Determination method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> NAD 27 or NAD83
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<b>Basin (WMU)</b> Central Wisconsin	<b>Watershed Name</b> Mill Creek	<b>County</b> Portage
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> Hotchinson, Colton	<b>Project Name</b> Mill Creek TWA
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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

<b>Total Sampling Time (min)</b> 8	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason for Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
 Other: TWA

<b>Water Temp. (C)</b> 16.7	<b>D.O. (mg/l)</b> 6.63	<b>D.O. (% sat.)</b> 68.2	<b>pH (su)</b> 7.48	<b>Conductivity (umhos/cm)</b> 735	<b>Transparency (cm)</b>
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<b>Water Color</b> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> circle units mps or cfs	<b>Average Stream Depth of reach (m)</b>	<b>Average Stream Width of reach (m)</b>
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**Composition of Substrate Sampled (Percent):**

Bedrock: 0     
 Boulders (basketball or larger): 5     
 Rubble (tennisball to basketball): 10     
 Gravel (ladybug to tennisball.): 15

Sand: 40     
 Clay: 5     
 Silt/Muck: \_\_\_\_\_     
 Overhanging Vegetation: 5

Aquatic Macrophytes: 10     
 Leaf Snags: 5     
 Course Woody Debris: 5     
 Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 5     
**Canopy Cover at Sample Site (%)** 8

C492: 71 A294: 71 D292: 72 D193: 73 A491: 73  
 91: 41: 93: 92: 93: 93:  
 94: 95: 94: 94: 92: 92:  
 93: 92: 91: 91: 94:

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# Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 08/14)

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

Comments:

Special Instructions for Laboratory:

### For Lab Use Only

Sample Sorter <i>Blake Raymer</i>	Taxonomist <i>Derrick Jeffrey</i>	Estimated Percent of Sample Sorted <i>100%</i>
Date Processed <i>05/10/2022</i>	Specimens Saved <i>Subsample archived in JBL until Jul 2025</i>	

*(194:3 } 11*  
*A393:1 94:4 } 5*  
*92:0 } 5*  
*91:0 } 5*  
*B391:1 93: } 8*  
*94: } 8*  
*92: } 8*  
*91: } 8*  
*C391:1 93: } 6*  
*94: } 6*  
*92: } 6*  
*91: } 6*  
*A192:1 94: } 10*  
*93: } 10*  
*91: } 10*  
*B291:1 93: } 78*  
*94: } 78*  
*92: } 78*  
*91: } 78*  
*B493:1 94: } 78*  
*93: } 78*  
*92: } 78*  
*91: } 78*  
*C292:1 93: } 6*  
*94: } 6*  
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*91: } 6*  
*D394:1 93: } 78*  
*94: } 78*  
*92: } 78*  
*91: } 78*  
*B191:1 93: } 79*  
*94: } 79*  
*92: } 79*  
*91: } 79*  
*D494:1 92: } 6*  
*93: } 6*  
*91: } 6*  
*93: } 6* →

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis intercalaris	L II		2	Klub 2016		
Procladius	L I		1	MCB 2019	dam	
Coenis punctata	L I		1	Klub 2016		
Stenonema	L III		4	MCB 2019	imm	N
S. interpinetatum	L III		3	Klub 2016		
Leptophlebia	L I		1	MCB 2019	imm	
Calopteryx maculata	L -III		8	West May 2006		
Coenagrionidae	L I		1	MCB 2019	imm	
Belostomatidae	A I		1	Hols 1984a		
Sigara grossiporcata	A I		1	"		
Cheumatopsyche	L II		2	MCB 2019		
Limnephilidae	L III		3	"	imm	
Psychomyia flavida	L I		1	Hols 1995		
Liodessus aspinis	A I		1	Hols 1994		
Ancyronyx variegata	L I		1	Hols 1995		
Pubiraphia minima	A I		1	Hols Schum 1992		
Do. vittata	A I		1	"		
Cricotopus (Cricotopus) bicinctus group	P II		2	Wieder 1986		N
Thienemannella	P I		1	MCB 2019		N
Simulium vittatum species complex	L I		1	Adler et al 2004		
Gammarus pseudolimnoides	A XI		11	Hols 1972		
Coecidothea	A III		4	Thorp Reg 2016	imm	
Ferrissia rivularis	A I		1	"		
Laevapex fuscus	A III		8	"		
Tubificonae (without heurii)	A I		1	Kath Bon 1998		
<del>Split 2 Chironomidae</del>	<del>L Bx 20</del>					
Cosynoneura	L III		8	And et al 2013		
Ceratopeltaris	L II		2	"		
Microtendipes pedellus group	L I		1	"		
Stictochironomus	L I		1	"		
Labrundinia pilosella	L I		1	Bolton 2012		
Thienemannimyia	L I		1	And et al 2013		
Cricotopus (Cricotopus) bicinctus group	L I		1	"		
Orthocladius (Orthocladius) oliveri	L I		6	Bolton 2012		
Thienemannella xena	L I		5	"		
Microsepectra	L X		10	And et al 2013		

23 taxa, TVAL 52.0

