

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

Station Summary					
Waterbody Name <u>Unnamed</u>			Waterbody ID Code <u>1400400</u>		Sample ID (YYYYMMDD-CY-FD) <u>20201123-72-01</u>
Sampling Location <u>-15m downstream maple rd bridge</u>				Database Key <u>250467572</u>	
SWIMS Station ID <u>10053894</u>		SWIMS Station Name <u>UNNAMED TRIB AT MAPLE ROAD</u>			
Latitude <u>44.598136</u>	Longitude <u>-89.943229</u>		Lat/Long Determination Method (circle) <u>SWIMS</u> SWDV GPS		Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) <u>CENTRAL WISCONSIN</u>			Watershed Name <u>MILL CREEK</u>		County <u>WOOD</u>
Sample and Site Descriptors					
Sample Collector (Last Name, First) <u>TAYLOR HASZ</u>			Project Name <u>MILL CREEK TWA 2020 (319 PROJECT-FUNDED)</u>		
Sampling Device					
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <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 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)	Estimated Area Sampled (m <sup>2</sup> )	Number of Samples in Composite		Replicate No. <u>1</u> of <u>1</u>	
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: <u>TWA</u>					
Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
Water Color			Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input 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	Average Stream Depth of reach (m)		Average Stream Width of reach (m)		
circle units m/s or f/s	<u>.4</u>		<u>1</u>		
Composition of Substrate Sampled (Percent):					
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>30</u>	Gravel (ladybug to tennisball): <u>40</u>		
Sand: <u>20</u>	Clay: _____	Silt/Muck: <u>10</u>	Overhanging Vegetation: _____		
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other ( _____ ): _____		
Embeddedness of Substrate at Sample Site (%) <u>10</u>			Canopy Cover at Sample Site (%) <u>50</u>		

**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
<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	U	Nutrients (P, N...)		PL	U
Iron Bacteria		N	N	Toxics: - Inorganic (Metals)		N	U
Macrophytes		N	N	- Organic (PCBs, pesticides...)		N	U
Slimes		N	N	Other - Specify:			
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion		PL	PL
				Point Source - Specify:		N	U
<b>Physical</b>				Pasturing of Livestock		N	PL
Bank Erosion		PL	PL	Runoff: - Barnyard		PL	PL
Channelization: - Upstream		PL	PL	- Construction		N	U
- Downstream		PL	PL	- Cropland		PH	PL
Hydraulic Scour / Channel Incision		N	U	- Urban		N	PL
Impoundment: - Upstream		N	N	Septic Systems		U	U
- Downstream		N	N	Tile Drainage - Organic Soils		U	U
Low Flow		N	U	- Mineral Soils		U	U
Sedimentation		N	U	Springs		N	U
Sludge		N	U	Tributary(s)		N	U
Thermal		N	U	Wetland		N	PL
Turbidity		N	U	Other - Specify:			
Other - Specify:							

Comments  
 ~ Sampled 15 m downstream Maple Road bridge. Sampled small riffle and substrate consisted mainly of cobble and gravel with some sand and silt.

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Dimick, Jeffrey</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted 3.1
Date Processed <i>6/8/2021</i>	Specimens Saved <i>Subsample archived in AS L until Jul 2024</i>	

B2g 4-80 D1g 1 → -86  
 1 2  
 2 4  
 3 3

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Cheumatopsyche</i>	L	Bx11	52	MCB 2019		
<i>Hydropsyche betteni</i>	L	x11	12	Schmitt 1986		
<i>Optioservus</i>	L	-1	6	MCB 2019	imm	N
<i>O. fastidius</i>	A	11	2	Hilsch 1992		
<i>Dicranota</i>	L	111	4	MCB 2019		
<i>Tipula</i>	L	11	2	"		
<i>Simulium vittatum</i> species complex EB102021	L	1	1	Adl et al 2004		
<i>Caecidotea</i>	A	111	7	Thorp Reg Zolte	Imm/imm	
<i>Cyclopidae</i>	A	1	1	"		
<i>Naidinae</i>	A	1	1	Kahn Brant 1998		
<i>Tubificonae</i> (without hairs)	A	111	3	"		
<del><i>Split Aza Chironomidae</i></del>	<del>L</del>	<del>Bx-J16</del>				
<del><i>Split Azb Chironomidae</i></del>	<del>L</del>	<del>or-J16</del>				
<i>Brillia flavifrons</i>	L	1	1	Epler 2001		
<i>Meconelopia</i>	L	1	1	And et al 2013		
<i>Orthocladiinae</i>	L	1	1	"	imm	N
<i>Chaetocladius piger</i> group	L	1	5	"		
<i>Diplocladius</i>	L	or	25	"		
<i>Hydrobaenus</i>	L	1	1	"		
<i>Parakiefferiella</i>	L	1	1	"		
<i>Parametriocnemus</i>	L	x-1111	19	"		
<i>Tretanta bavaria</i> group	L	-111	8	Bede 1963		
<i>Chironominae</i>	L	1	1	And et al 2013	imm	N
<i>Micropsectra</i>	L	111	3	"		
<i>Paratanytarsus</i> species B	L	11	2	Hilsch 1991		
<i>Paratendipes</i>	L	111	3	And et al 2013		
<i>Polypedilum</i> ( <i>Polypedilum</i> ) <i>illinoense</i> group	L	1	1	Bolton 2012		
<i>P. (Vesipedium) flavum</i>	L	111	4	"		
<i>Tanytarsus</i>	L	1	1	And et al 2013		

23 taxa, TVAL ≤ 2.0