

Instructions: Bold fields must be completed.

Station Summary						
<b>Waterbody Name</b> UNNAMED			<b>Waterbody ID Code</b> 1651300		<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181031-32-06	
<b>Sampling Location</b> 10m Ds oc Bridge Crossing (OA)					<b>Database Key</b> 169485276	
<b>SWIMS Station ID</b> 10014115			<b>SWIMS Station Name</b> CREEK 28-7(GARBERS COULEE CREEK)STATION 1-1974-SE 1/4 NE 1/4 S29-STARTS /			
<b>Latitude</b> 43.835796		<b>Longitude</b> -91.11107		<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS		<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> BAD AXE - LA CROSSE			<b>Watershed Name</b> LOWER LA CROSSE RIVER		<b>County</b> LA CROSSE	
Sample and Site Descriptors						
<b>Sample Collector (Last Name, First)</b> CAMILLE BRUHN				<b>Project Name</b> BOSTWICK CREEK TWA 2018		
<b>Sampling Device</b>						
<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: _____						
<b>Habitat Sampled</b>						
<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						
<b>Total Sampling Time (min)</b> 1		<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1		<b>Number of Samples in Composite</b> 1		<b>Replicate No.</b> 1 <b>of</b> 1
<b>Reason For Sampling</b>						
<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: Bostwick Creek TWA						
<b>Water Temp. (C)</b>	<b>D.O. (mg/l)</b>	<b>D.O. (% sat.)</b>	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b>		<b>Transparency (cm)</b>
<b>Water Color</b>				<b>Estimated Stream Velocity (m/s)</b>		
<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <sup>in betw slightly</sup> <input type="checkbox"/> Stained				<input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)		
<b>Measured Velocity</b>		<b>Average Stream Depth of reach (m)</b>		<b>Average Stream Width of reach (m)</b>		
circle units m/s or f/s		0.3		5m		
<b>Composition of Substrate Sampled (Percent):</b>						
Bedrock: _____		Boulders (basketball or larger): 70	Rubble (tennisball to basketball): 30		Gravel (ladybug to tennisball): _____	
Sand: _____		Clay: _____	Silt/Muck: _____		Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____		Other ( _____ ): _____	
<b>Embeddedness of Substrate at Sample Site (%)</b> N/A				<b>Canopy Cover at Sample Site (%)</b> 20%		

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

Comments

*Sampled riffle below bridge crossing. Golf course upstream may have an impact on stream and bugs.*

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Logan Cutler</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>27%</i>
Date Processed <i>5/6/19</i>	Specimens Saved <i>41 + 12 + 36 + 44 = 133</i>	

*A2 E3 B3 A3 ~~A1 B3 DE~~*

*3.5hr  
 1hr  
 subsample archived in ABC until Jul 2022*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx	L	I	1	Hols 1995		
Baetis brunneicolor	L	III	33	Klub 2016		
B. tricaudatus	L	III	3	"		
Ephemerella	L	III	3	"	imm	
Hydropsyche betteni	L	-II	7	Schm Hols 1986		
Ceratopsyche glossonae	L	xII	12	"		
Ottosevius	L	I	1	Hols Schm 1992	imm	N
O. fastiditus	L	I	1	"		
Neoplasta	L	I	1	Gant Merr 2008		
Antocha	L	II	2	Hols 1995		
Orthocladus (Eoorthocladus)	P	I	1	Ferr et al 2008		
O. (Orthocladus)	P	I	1	Coff et al 2008		
Gammarus pseudolimnaeus	A	0-III	28	Hols 1972		
Caecidotea racovitzai racovitzai	A	II	2	Will 1972		
Cyclopidae	A	I	1	Thorp Reg 2016		
Lebertia	A	I	1	Pluch 1964		
Limnesia	A	I	1	"		
Synchroopsis	A	II	2	"		
Naidinae	A	xI	11	Bin Geld 1991		Y
Ophiodonaiis serpentina	A	I	1	Klemm 1985		
Physa	A	III	3	Thorp Reg 2016		
Pisidium	A	I	1	Burch 1972		
<del>Split A2 Chironomidae</del>	<del>L</del>	<del>0-III</del>	<del>1</del>			
Brillia parva	L	I	1	Epler 2001		
Parametriocnemus	L	-III	8	And+3 2013		
Tvetenia baranica group	L	II	2	Bode 1983		
Mecoptopia	L	I	1	Cran Epl 2013		
Orthoclaadiinae 08300000	L	I	1	Cranston 2013	imm	N
Orthocladus (Orthocladus)	L	X	10	And+3 2013		N
Parabendipes	L	II	3	Epl et al 2013		
Polypedilum (Uresipedilum) aviceps	L	II	2	Boltan 2012		
Rheotanytarsus	L	-II	7	Epl et al 2013		