

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

**Station Summary**

<b>Waterbody Name</b> UNNAMED	<b>Waterbody ID Code</b> 5027243	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20191107-24-01
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<b>Sampling Location</b>	<b>Database Key</b> 210965548
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<b>SWIMS Station ID</b> 10042146	<b>SWIMS Station Name</b> UNNAMED TRIB TO WHITE CREEK US SCOTT HILL RD (WBIC 5027243)
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<b>Latitude</b> 43.8077738	<b>Longitude</b> -88.9331068	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> UPPER FOX	<b>Watershed Name</b> BIG GREEN LAKE	<b>County</b> GREEN LAKE
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> DAVID BOLHA	<b>Project Name</b> BIG GREEN LAKE TWA WQM PLAN (2017) 2019
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**Sampling Device**

D-Frame 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> 2	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1.5	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> _____ <b>of</b> _____
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 3.3	<b>D.O. (mg/l)</b> 12.5	<b>D.O. (% sat.)</b> 95.0	<b>pH (su)</b> 7.9	<b>Conductivity (umhos/cm)</b> 627.5	<b>Transparency (cm)</b> 120
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.1	<b>Average Stream Width of reach (m)</b> 1.5
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 60  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 10    
**Canopy Cover at Sample Site (%)** 0

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Isabel Dunn	Taxonomist Derrick Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 12/12/2019	Specimens Saved Subsample archived in ABL until Feb 2023	

E1-95  
 B1-106

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	II	2	Klub 2016	dam	N
Baetis brunneipalpis	L	III	76	"		
Hydropsyche betteni	L	I	1	Schmidt's 1986		
Simulium vittatum species complex 08110217	L	III	3	Adl et al 2004		
Oicnospira	L	II	2	Hils 1995		
Limnoria	L	I	1	"		
Tipula	L	III	3	"		
Gammarus pseudolimnaeus	A	I-III	38	Hils 1972		
Caecidotea intermedia	A	III	22	Will 1972		
Physa	A	II	2	Thorp Reg 2016		
Enchytraeidae	A	I	1	"		
Megadrili = Metagyngonura	A	-III	8	"		
Orthocladinae 0830000	L	III	3	Cranston 2013	dam	N
Orthocladinae 0830001	P	I	1	Ferr et al 2008		
Conchapelopia 08270700	L	I	1	Cran Epl 2013		
Dramesa	L	0-1	26	Seth And 2013		
Corynoneura	L	I	1	And+3 2013		
Diplocladius	L	-II	7	"		
Eukiefferiella claripennis group	L	I	1	"		
Orthocladus	L	I	1	"	dam	N
O. (E.) orthocladus	L	III	3	"	not met	N
O. (E.) luteipes	L	I	1	Epler 2001		
O. (E.) rivicola	L	I	1	"		
O. (E.) saxosus	L	II	2	"		
O. (Orthocladus)	L	III	4	And+3 2013		
Parametriocnemus	L	III	3	"		
Paraphaenocladus	L	I	1	"		
Paratanytarsus longistilus	L	III	3	Epl et al 2013		
Rheotanytarsus	L	I	1	"		

<3 taxa, TOTAL ≤ 20