

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name ROY CREEK			Waterbody ID Code 148200		Sample ID (YYYYMMDD-CY-FD) 20191024-24-02
Sampling Location					Database Key 210965532
SWIMS Station ID 10041576		SWIMS Station Name ROY CREEK DS COUNTY HWY O			
Latitude 43.7660868	Longitude -89.0208772		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER FOX			Watershed Name BIG GREEN LAKE		County GREEN LAKE
Sample and Site Descriptors					
Sample Collector (Last Name, First) DAVID BOLHA			Project Name BIG GREEN LAKE TWA WQM PLAN (2017) 2019		
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) 2	Estimated Area Sampled (m²) 1.0		Number of Samples in Composite 1		Replicate No. _____ of _____
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference		<input checked="" type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site	
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input type="checkbox"/> Other: _____	
Water Temp. (C) 8.2	D.O. (mg/l) 11.2	D.O. (% sat.) 97.2	pH (su) 8.0	Conductivity (umhos/cm) 639	Transparency (cm) 120
Water Color			Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			<input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) 0.1		Average Stream Width of reach (m) 2.5	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 100	Gravel (ladybug to tennisball): 100	
Sand: _____		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
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	PH	PH
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PH
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	PL	PH	Runoff: - Barnyard	N	N
Channelization: - Upstream	PH	PH	- Construction	N	N
- Downstream	PH	PH	- Cropland	PH	PH
Hydraulic Scour / Channel Incision	PL	PH	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	PL	PH
Low Flow	N	N	- Mineral Soils	PL	PH
Sedimentation	PL	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 <i>Isabel Dunn</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>11/23/2019</i>	Specimens Saved <i>Subsample archived in ABC vial Feb 2023</i>	

*C3-118
 A2-98*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	11	2	Klub 2016		
<i>Glossosoma intermedium</i>	L	111	3	Wym Mar 2000		
<i>Glossosoma</i>	L	1	1	Hils 1995	imm	N
Hydropsychidae	L	1	1	"	imm	N
<i>Ceratopsyche sparna</i>	L	011	22	Schm Hils 1986		
<i>Cheumatopsyche</i>	L	111	3	Hils 1995		
<i>Hydropsyche</i>	L	-	5	"	imm	N
<i>H. betterii</i>	L	-11	7	Schm Hils 1986		
<i>Lepidostoma</i>	L	-	5	Hils 1995		
<i>O. fastiditus</i>	L	1111	4	"	imm	N
<i>O. fastiditus</i>	L	-111	8	Hils Schm 1992		
<i>Simulium</i>	L	111	3	Adl et al 2004	imm	N
<i>S. vittatum</i> species complex 0811021B	L	1111	4	"		
<i>Dicranota</i>	L	111	4	Hils 1995		
<i>Pilarra</i>	L	1	1	"		
<i>Gammarus pseudolimnaeus</i>	A	B-	45	Hils 1972		
<i>Caecidotea intermedia</i>	A	B-1111	49	Will 1972		
Dugesiiidae	A	111	3	Thorp Reg 2016		
Naidinae	A	1	1	Brinkeld (1991)		
Tubificoninae (without hairs)	A	1	1	Klemm 1985		
Megadrili = <i>Metasynophora</i>	A	11	2	Thorp Reg 2016		
Physa	A	x11	12	"		
Pisidium	A	1	1	Mackie 2007		
Split A3 Chironomidae	L	+ JSD				
Chironomidae 0825000D	L	1	1	Cran Daly 2008	dam	N
<i>Araucana</i>	A	1	1	Ferr et al 2008		
Orthocladiinae 0830000D	L	111	3	Cranston 2013	mt in det imm	N
<i>Orthocladius</i> (<i>Orthocladius</i>)	L	1	1	And + 3 2013		
<i>Parametrioctenemus</i>	L	1	1	"		
<i>Tvetenia bavarica</i> group	L	-	5	Bode 1983		
<i>Paratanytarsus</i>	L	1	1	Epl et al 2013	mt in det	
<i>Paratenipes</i>	L	111	4	"		
<i>Polypedilum</i> (<i>Uresipedilum</i>) <i>aviceps</i>	L	0111	23	Bolton 2012		
<i>Rhytanytarsus</i>	L	-1111	9	Epl et al 2013		

3 taxa, TVAL ≤ 2.0

31 > (0.1 x 199)