

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name HILL CREEK	Waterbody ID Code 146200	Sample ID (YYYYMMDD-CY-FD) 20191624-24-06
Sampling Location		Database Key 210965524

SWIMS Station ID 10051172	SWIMS Station Name HILL CREEK AT LAKEVIEW ROAD
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Latitude 43.8042944	Longitude -88.9660231	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) UPPER FOX	Watershed Name BIG GREEN LAKE	County GREEN LAKE
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Sample and Site Descriptors

Sample Collector (Last Name, First) DAVID BOLHA	Project Name 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

Total Sampling Time (min) 2	Estimated Area Sampled (m²) 1.0	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 8.8	D.O. (mg/l) 7.0	D.O. (% sat.) 61.6	pH (su) 7.5	Conductivity (umhos/cm) 484	Transparency (cm) 120
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <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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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 3.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 50
 Sand: 20 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 (%) 50

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Isabel Dunn	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 12/7/2019	Specimens Saved Subsample archived in ABL mtr (Feb 2023	

B3- 111
 C3- 115

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Hydropsyche hoffeni</i>	L	III	4	Schm Hils 1986		
<i>Simulium vittatum</i> species complex 08110217	L	II	3	Adl et al 2004		
<i>Trehocercix sexcincta</i>	A	I	1	Hils 1984a		
<i>Gammarus pseudolimnaeus</i>	A	I	1	Hils 1972		
<i>Caecidotea intermedia</i>	A	BBB51	211	Will 1972		
Dugesidae	A	or	25	Thorp Reg 2016		
Pisidium	A	I	1	Mackie 2007		
Meomithidae	A	I	1	Thorp Reg 2016	imm	
Tubificinae (without hairs)	A	-I	6	Klemm 1985		Y
Tubificinae (with hairs)	A	II	3	"		Y
<i>Conchapelona</i> 08270700	L	I	1	Cran Epl 2013		
<i>Polypedilum (Tripodura) halterale</i> group	L	n	2	Bolton 2012		
<i>P. (Unispedilum) flavum</i>	L	III	4	"		
<i>Rheotanytarsus</i>	L	I	1	Epl et al 2013		

< 3 taxa, TVAL 52.0