

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name IRON CREEK	Waterbody ID Code 2155200	Sample ID (YYYYMMDD-CY-FD) 20181114-09-02
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Sampling Location	Database Key 169413395
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SWIMS Station ID 10008688	SWIMS Station Name 1- IRON CREEK - 107TH AVE / BUSKE RD [1]
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER CHIPPEWA	Watershed Name LOWER YELLOW (CHIPPEWA CO.) RIVER	County CHIPPEWA
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Sample and Site Descriptors

Sample Collector (Last Name, First) Mykal R. Leigh Mykal R. Leigh	Project Name BIG DRYWOOD/LITTLE DRYWOOD TWA 2018
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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) 10	Estimated Area Sampled (m ²) 7	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

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

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color ☒ Clear ☐ Turbid ☒ Stained	Estimated Stream Velocity (m/s) ☒ Slow (< 0.15 m/s) ☐ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) .4	Average Stream Width of reach (m) 2
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): _____
Sand: _____	Clay: _____	Silt/Muck: <u>20</u>	Overhanging Vegetation: <u>50</u>
Aquatic Macrophytes: <u>30</u>	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____

Embeddedness of Substrate at Sample Site (%) <u>N/A</u>	Canopy Cover at Sample Site (%) <u>0</u>
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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	U	Chlorine	U	U
- Filamentous Algae	N	U	Dissolved Oxygen	U	U
- Planktonic Algae	N	U	Nutrients (P, N...)	U	U
Iron Bacteria	PL	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	U	- Organic (PCBs, pesticides...)	U	U
Slimes	N	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	U	U
Bank Erosion	N	U	Runoff: - Barnyard	N	U
Channelization: - Upstream	U	U	- Construction	N	U
- Downstream	U	U	- Cropland	N	U
Hydraulic Scour / Channel Incision	N	U	- Urban	N	U
Impoundment: - Upstream	N	U	Septic Systems	U	U
- Downstream	N	U	Tile Drainage - Organic Soils	U	U
Low Flow	N	U	- Mineral Soils	U	U
Sedimentation	PH	U	Springs	U	U
Sludge	N	U	Tributary(s)	U	U
Thermal	N	U	Wetland	PH	U
Turbidity	N	U	Other - Specify:		
Other - Specify:					

Comments

hard to find bugs. Had to break ice to sample. Substrate mostly silt/organic matter with some aquatic macrophytes. Perched culvert @ road crossing

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter JACOB BULLITZ	Taxonomist Dimick Jeffery	Estimated Percent of Sample Sorted 100%
Date Processed 5/14/2019	Specimens Saved 84 subsample archived in BCL under 1	

Jul 2022

[illegible]