

Instructions: Bold fields must be completed.

Station Summary				
Waterbody Name LITTLE DRYWOOD CREEK		Waterbody ID Code 2155100	Sample ID (YYYYMMDD-CY-FD) <u>20181114-09-04</u>	
Sampling Location <u>DS 1-10m</u>			Database Key 169417050	
SWIMS Station ID 10008675		SWIMS Station Name 7 - LITTLE DRYWOOD CREEK - 260TH ST.		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA		Watershed Name LOWER YELLOW (CHIPPEWA CO.) RIVER		County CHIPPEWA
Sample and Site Descriptors				
Sample Collector (Last Name, First) CHRISTOPHER J WILLGER, MYCAL C RALEIGH			Project Name BIG DRYWOOD/LITTLE DRYWOOD TWA 2018	
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) <u>5</u>	Estimated Area Sampled (m ²) <u>4</u>	Number of Samples in Composite <u>1</u>		Replicate No. <u>1</u> of <u>1</u>
Reason For Sampling				
<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: <u>TWA</u>
Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)
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)	
Measured Velocity	circle units m/s or f/s	Average Stream Depth of reach (m)		Average Stream Width of reach (m)
Composition of Substrate Sampled (Percent):				
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>40</u>	Gravel (ladybug to tennisball): <u>30</u>	
Sand: <u>10</u>	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: <u>10</u>	
Aquatic Macrophytes: _____	Leaf Snags: <u>10</u>	Coarse Woody Debris: _____	Other (_____): _____	
Embeddedness of Substrate at Sample Site (%) <u>10</u>		Canopy Cover at Sample Site (%) <u>30</u>		

Stream and Watershed Descriptors

N = Not a problem PL = Present, Low Impact
 U = Uncertain 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				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			PH
Bank Erosion				Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			PL
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments *Frozen*

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>5/28/19</i>	Specimens Saved <i>Subsample archived in ABC until Jul 2022</i>	

B1= 89
D3= 42 **(131)** *13%*