

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

**Station Summary**

<b>Waterbody Name</b> LITTLE DRYWOOD CREEK	<b>Waterbody ID Code</b> 2155100	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181023-09-2
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<b>Sampling Location</b> US bridge ~ 10m	<b>Database Key</b> 169413415
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<b>SWIMS Station ID</b> 10008667	<b>SWIMS Station Name</b> LITTLE DRYWOOD CREEK - HWY O [1]
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<b>Latitude</b>	<b>Longitude</b>	<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> LOWER CHIPPEWA	<b>Watershed Name</b> LOWER YELLOW (CHIPPEWA CO.) RIVER	<b>County</b> CHIPPEWA
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> <del>ANDREWS, WILSON</del> CHRISTOPHER J WILLGER, MYCAL RALPH	<b>Project Name</b> 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

<b>Total Sampling Time (min)</b> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

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

<b>Water Temp. (C)</b>	<b>D.O. (mg/l)</b>	<b>D.O. (% sat.)</b>	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b>	<b>Transparency (cm)</b>
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<b>Water Color</b> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" 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> 2	<b>Average Stream Width of reach (m)</b> 6
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 80 Gravel (ladybug to tennisball): \_\_\_\_\_

Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_

Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other (\_\_\_\_): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 0 **Canopy Cover at Sample Site (%)** 70

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

Comments

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>40%</i>
Date Processed <i>5/10/19</i>	Specimens Saved <i>subsample archived in ABC until Jul 2022</i>	

AI = 748  
 CI = 748  
 DI =  
 BA = 27  
 L2 = 35  
 D3 = 20  
 130