

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name DUTCH CREEK			Waterbody ID Code 2154700		Sample ID (YYYYMMDD-CY-FD) 20181114-09-01	
Sampling Location					Database Key 169413411	
SWIMS Station ID 10008684		SWIMS Station Name DUTCH CREEK - 223RD ST AND 80TH AVE [1]				
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) ALLISON P WILLMAN, CHRISTOPHER J W				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) 2	Estimated Area Sampled (m²) 2		Number of Samples in Composite 1		Replicate No. 1 of 1	
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: TWA		
Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)		Transparency (cm)
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 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): 10		Gravel (ladybug to tennisball): 50
Sand: 20		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: 10
Aquatic Macrophytes: 10		Leaf Snags: _____		Coarse Woody Debris: _____		Other (____): _____
Embeddedness of Substrate at Sample Site (%) 30				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				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			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Macayla Greider</i>	Taxonomist <i>Dimrock, Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>5/14/19</i>	Specimens Saved <i>225 subsample archived in ABC Lab 1 Jul 2022</i>	

Sort %:
 Vials:
 Total specs:
 Grids: D(94) C1(25) B2(106)