

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

Station Summary					
Waterbody Name <u>Unnamed trib to Laymans Cr.</u>		Waterbody ID Code <u>2948100</u>		Sample ID (YYYYMMDD-CY-FD) <u>20181101-26-03</u>	
Sampling Location <u>2 m US of Footbridge</u>				Database Key 168768997	
SWIMS Station ID 10051592		SWIMS Station Name UNNAMED (2948100) TRIB TO LAYMANS CREEK 10 M US OF FOOTBRIDGE			
Latitude <u>46.32518</u>	Longitude <u>-90.15807</u>	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>		Datum Used if using GPS <u>WGS84</u> or NAD83	
Basin (WMU) <u>Lake Superior</u>		Watershed Name <u>Montreal River</u>		County <u>Iron</u>	
Sample and Site Descriptors					
Sample Collector (Last Name, First) JON KLEIST			Project Name MONTREAL RIVER TWA 2017-2018		
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>2</u>	Estimated Area Sampled (m <sup>2</sup> ) <u>1.5</u>	Number of Samples in Composite <u>3</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>Montreal Rvr. TWA</u>	
Water Temp. (C) <u>2.71</u>	D.O. (mg/l) <u>11.8</u>	D.O. (% sat.) <u>86.9</u>	pH (su) <u>6.1</u>	Conductivity (umhos/cm) <u>22us</u>	Transparency (cm) <u>&gt;120</u>
Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" 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 <u>0.2</u> circle units <u>m/s</u> or f/s	Average Stream Depth of reach (m) <u>0.3</u>		Average Stream Width of reach (m) <u>2</u>		
Composition of Substrate Sampled (Percent):					
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>30</u>	Gravel (ladybug to tennisball): _____		
Sand: <u>50</u>	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____		
Aquatic Macrophytes: <u>20</u>	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____		
Embeddedness of Substrate at Sample Site (%) <u>30</u>			Canopy Cover at Sample Site (%) <u>90</u>		

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Logan Cutler	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 20%
Date Processed 3/30/19	Specimens Saved 29 + 75 + 78 = 182 subsample archived in ABL until Jun 2022	
	E1 B1 A1 B1 Total 2.5hr 2hr	