

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> Un Trib to Un Trib	<b>Waterbody ID Code</b> 2991900	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181002-24-06
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**Sampling Location**  
50 m DS Park Rd.

<b>SWIMS Station ID</b> 10051577	<b>SWIMS Station Name</b> Unnamed trib (2991900) to Unnamed water	<b>Database Key</b> 168776353
<b>Latitude</b> 46.48087	<b>Longitude</b> -96.25063	<b>Lat/Long Determination method (circle)</b> SWIMS SWDV <b>GPS</b>
<b>Basin (WMU)</b> Lake Superior	<b>Watershed Name</b> Montreal River	<b>Datum Used if using GPS</b> NAD 27 or <b>NAD83</b>
<b>Sample and Site Descriptors</b>		<b>County</b> Iron

<b>Sample Collector (Last Name, First)</b> Kleist Jan.	<b>Project Name</b> Montreal R. TWA
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**Sampling Device**

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> 1.5	<b>Number of Samples in Composite</b> 3	<b>Replicate No.</b> 1 of 1
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**Reason for Sampling**

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

<b>Water Temp. (C)</b> 9.1	<b>D.O. (mg/l)</b> 9.2	<b>D.O. (% sat.)</b> 79.1	<b>pH (su)</b> 7.2	<b>Conductivity (umhos/cm)</b> 275	<b>Transparency (cm)</b> >120
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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)

<b>Measured Velocity</b> circle units mps or cfs	<b>Average Stream Depth of reach (m)</b> 0.3	<b>Average Stream Width of reach (m)</b> 1
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball or basketball): \_\_\_\_\_ Gravel (ladybug to tennisball.): 100

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

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

**Embeddedness of Substrate at Sample Site (%)** 10      **Canopy Cover at Sample Site (%)** 90

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Sam Laparche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>70%</i>
Date Processed <i>3/29/2019</i>	Specimens Saved <i>Subsample archived in HBL until Jun 2022</i>	

A3  
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