

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

**Station Summary**

<b>Waterbody Name</b> Mud Creek	<b>Waterbody ID Code</b> 2944300	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20171107-26-05
------------------------------------	-------------------------------------	---

<b>Sampling Location</b>	<b>Database Key</b> 148375082
--------------------------	----------------------------------

<b>SWIMS Station ID</b> 10049230	<b>SWIMS Station Name</b> MUD CREEK 20M US ISLAND LAKE RD
-------------------------------------	--

<b>Latitude</b> 46.27565	<b>Longitude</b> -90.24908	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>	<b>Datum Used if using GPS</b> WGS84 or NAD83
-----------------------------	-------------------------------	--	--

<b>Basin (WMU)</b> UPPER CHIPPEWA	<b>Watershed Name</b> FLAMBEAU FLOWAGE	<b>County</b> IRON
--------------------------------------	---	-----------------------

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> JON KLEIST	<b>Project Name</b> MONTREAL RIVER WATERSHED TWA 2017
--	--

**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
---------------------------------------	--	--	------------------------------------

**Reason For Sampling**

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

<b>Water Temp. (C)</b> 1	<b>D.O. (mg/l)</b> 12.0	<b>D.O. (%sat.)</b> 84.5	<b>pH (su)</b> 7.8	<b>Conductivity (umhos/cm)</b> 33	<b>Transparency (cm)</b> 7120
-----------------------------	----------------------------	-----------------------------	-----------------------	--------------------------------------	----------------------------------

<b>Water Color</b>	<b>Estimated Stream Velocity (m/s)</b>
<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" 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)

<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.3	<b>Average Stream Width of reach (m)</b> 2
--	---	---

**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: 30 Clay: \_\_\_\_\_ Silt/Muck: 30 Overhanging Vegetation: 10  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: 30 Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** \_\_\_\_\_ **Canopy Cover at Sample Site (%)** 50%

**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
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	U	- Organic (PCBs, pesticides...)	N	N
Slimes	N	U	Other - Specify:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
<b>Physical</b>			Bank Erosion	N	N
Bank Erosion	N	N	Point Source - Specify:	N	N
Channelization: - Upstream	N	N	Pasturing of Livestock	N	N
- Downstream	N	N	Runoff: - Barnyard	N	N
Hydraulic Scour / Channel Incision	N	U	- Construction		
Impoundment: - Upstream	N	U	- Cropland		
- Downstream	N	U	- Urban		
Low Flow	N	U	Septic Systems		
Sedimentation	N	U	Tile Drainage - Organic Soils	N	N
Sludge	N	N	- Mineral Soils	N	N
Thermal	N	N	Springs	N	U
Turbidity	N	N	Tributary(s)	N	U
Other - Specify:			Wetland	PL	PL
			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>7%</i>
Date Processed <i>16/18/18</i>	Specimens Saved <i>subsample archived in ABC until Oct 2021</i>	

E3 = 201

