

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

**Station Summary**

<b>Waterbody Name</b> EAST CREEK		<b>Waterbody ID Code</b> 2943500	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20171023-26-08
<b>Sampling Location</b>			<b>Database Key</b> 148375066
<b>SWIMS Station ID</b> 10032146	<b>SWIMS Station Name</b> EAST CREEK ON UNNAMED ROAD IN IRON COUNTY FOREST		
<b>Latitude</b> 46.31944	<b>Longitude</b> -90.23756	<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> LAKE SUPERIOR		<b>Watershed Name</b> MONTREAL RIVER	<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
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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 Project

<b>Water Temp. (C)</b> 0.8	<b>D.O. (mg/l)</b> 12.5	<b>D.O. (%sat.)</b> 87	<b>pH (su)</b> 8.0	<b>Conductivity (umhos/cm)</b> 27	<b>Transparency (cm)</b> 7120
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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> 0.4	<b>Average Stream Width of reach (m)</b> 5
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 50  
 Sand: 20 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ 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
<b>Biological</b>				<b>Chemical</b>			
Algae: - Diatoms / Periphyton		N	N	Chlorine		N	N
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria			U	Toxics: - Inorganic (Metals)			
Macrophytes			PL	- Organic (PCBs, pesticides...)			
Slimes			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				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream			U	Septic Systems			
- Downstream			U	Tile Drainage - Organic Soils			
Low Flow			U	- Mineral Soils			
Sedimentation				Springs			U
Sludge				Tributary(s)			U
Thermal				Wetland		PL	PL
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kyle Wilcox</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>6/14/18</i>	Specimens Saved <i>subsample archived in ABL until 1 Oct 2021</i>	

E2=Q19