

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

**Station Summary**

<b>Waterbody Name</b> QUARTER CREEK		<b>Waterbody ID Code</b> 2077200	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20160929-17-04
<b>Sampling Location</b> DS of Culvert 5m			<b>Database Key</b> 133642052
<b>SWIMS Station ID</b> 10011706		<b>SWIMS Station Name</b> QUARTER CREEK - 1-QUATER CREEK. 50' U.S. OF 290TH AVE.	
<b>Latitude</b> 45.197388	<b>Longitude</b> -92.01089	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> LOWER CHIPPEWA		<b>Watershed Name</b> HAY RIVER	<b>County</b> DUNN

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> Ring, Jacob	<b>Project Name</b> BIG BEAVER CREEK TWA [SECTION 319] 2016
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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> 3min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2m <sup>2</sup>	<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: \_\_\_\_\_

<b>Water Temp. (C)</b>	<b>D.O. (mg/l)</b>	<b>D.O. (% sat.)</b>	<b>pH (su)</b>	<b>Conductivity (umhos/cm)</b>	<b>Transparency (cm)</b>
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input 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> 13	<b>Average Stream Width of reach (m)</b> 3m
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 15  
 Sand: 40 Clay: \_\_\_\_\_ Silt/Muck: 15 Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

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

