

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

Station Summary		
<b>Waterbody Name</b> THE OUTLET	<b>Waterbody ID Code</b> 525500	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20161017-38-09

<b>Sampling Location</b>	<b>Database Key</b> 133649790
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<b>SWIMS Station ID</b> 10016729	<b>SWIMS Station Name</b> THE OUTLET - ST. PAUL ROAD - UPSTREAM OF BRIDGE
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<b>Latitude</b> 45.2138928	<b>Longitude</b> -87.9541433	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> GREEN BAY	<b>Watershed Name</b> MIDDLE INLET AND LAKE NOQUEBAY	<b>County</b> MARINETTE
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Sample and Site Descriptors	
<b>Sample Collector (Last Name, First)</b> ANDREW HUDAK	<b>Project Name</b> LAKE NOQUEBAY TWA [SECTION 319] 2016

**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> 6	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 4	<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

<b>Water Temp. (C)</b> 14.4	<b>D.O. (mg/l)</b> 11.3	<b>D.O. (% sat.)</b> 110.8	<b>pH (su)</b> 7.7	<b>Conductivity (umhos/cm)</b> 337	<b>Transparency (cm)</b> 7/22
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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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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> 16
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_   
 Boulders (basketball or larger): 20   
 Rubble (tennisball to basketball): 40   
 Gravel (ladybug to tennisball): 20  
 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 (%)** 20

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Cadie Olson	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 70%
Date Processed 11/16/16	Specimens Saved Subsample archived in ABL until Feb 2020	

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