

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

Station Summary		
<b>Waterbody Name</b> LOWER MIDDLE INLET	<b>Waterbody ID Code</b> 529100	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20160922-38-01
<b>Sampling Location</b>		<b>Database Key</b> 133769855

<b>SWIMS Station ID</b> 10047150	<b>SWIMS Station Name</b> LOWER MIDDLE INLET 600 METERS US LAKE NOQUEBAY		
<b>Latitude</b> 45.2669457	<b>Longitude</b> -87.9442884	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	
<b>Basin (WMU)</b> GREEN BAY		<b>Watershed Name</b> MIDDLE INLET AND LAKE NOQUEBAY	<b>Datum Used if using GPS</b> WGS84 or NAD83
		<b>County</b> MARINETTE	

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> 5	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 5	<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> —	<b>D.O. (mg/l)</b> —	<b>D.O. (% sat.)</b> —	<b>pH (su)</b> —	<b>Conductivity (umhos/cm)</b> —	<b>Transparency (cm)</b> > 122
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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 checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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> 0.6 meters	<b>Average Stream Width of reach (m)</b> 10 meters
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: 30 Clay: \_\_\_\_\_ Silt/Muck: 10 Overhanging Vegetation: 20  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 20 Coarse Woody Debris: 10 Other ( ): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) — Canopy Cover at Sample Site (%) 70%

**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			
				Runoff: - Barnyard			
				- Construction			
				- Cropland			
				- Urban			
				Septic Systems			
				Tile Drainage - Organic Soils			
				- Mineral Soils			
				Springs			
				Tributary(s)			
				Wetland			
				Other - Specify:			
<b>Physical</b>							
Bank Erosion							
Channelization: - Upstream							
- Downstream							
Hydraulic Scour / Channel Incision							
Impoundment: - Upstream							
- Downstream							
Low Flow							
Sedimentation							
Sludge							
Thermal							
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Bonnie Richards</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>7</i>
Date Processed <i>11-3-16</i>	Specimens Saved <i>Subsample archived in ABL units Feb 2020</i>	

*DI:106*