

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

**Station Summary**

<b>Waterbody Name</b>	<b>Waterbody ID Code</b>	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181021-50-4
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<b>Sampling Location</b> RSS-R-27m-1g-102118	<b>Database Key</b> 177584048
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<b>SWIMS Station ID</b> 10049350	<b>SWIMS Station Name</b> EMMONS CREEK - CONTROL REACH NEAR STRATTON LAKE RD
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<b>Latitude</b> 44.29605	<b>Longitude</b> -89.24131	<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> WOLF RIVER	<b>Watershed Name</b> WAUPACA RIVER	<b>County</b> PORTAGE
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> DAVID A BOLHA, MICHAEL P SHUPRYT	<b>Project Name</b> EMMONS CREEK DISCHARGE REDUCTION MI FY18
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**Sampling Device**

D-Frame Kick Net     
  Surber Sampler     
  Eckman  
 Ponar     
  Artificial Substrate     
  Hess Sampler     
 Other: Core

**Habitat Sampled**

Riffle     
  Run     
  Pool  
 Other     
  Shoreline Composite     
  Proportionally-Sampled Habitat  
 Littoral Zone     
  Profundal Zone     
  Wetland

<b>Total Sampling Time (min)</b>	<b>Estimated Area Sampled (m<sup>2</sup>)</b>	<b>Number of Samples in Composite</b>	<b>Replicate No.</b> _____ <b>of</b> _____
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**Reason For Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
 Other: Special Project

<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 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 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>	<b>Average Stream Width of reach (m)</b>
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**Composition of Substrate Sampled (Percent):**

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

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

**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:			
<b>Physical</b>				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	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted
Date Processed	Specimens Saved <i>Sample archived in ABC under Oct 2022</i>	

