

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

**Station Summary**

<b>Waterbody Name</b>		<b>Waterbody ID Code</b>	<b>Sample ID (YYYYMMDD-CY-FD)</b> <i>20190416-50-2</i>
<b>Sampling Location</b> <i>RSS-R-12m-1g-041619</i>		<b>Database Key</b> 193377592	
<b>SWIMS Station ID</b> 10049350	<b>SWIMS Station Name</b> EMMONS CREEK - CONTROL REACH NEAR STRATTON LAKE RD		
<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
<b>Basin (WMU)</b> WOLF RIVER		<b>Watershed Name</b> WAUPACA RIVER	<b>County</b> PORTAGE

**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. _____ 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 until Nov 2022</i>	

