

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

Station Summary			
Waterbody Name <i>Emmons Creek</i>		Waterbody ID Code	Sample ID (YYYYMMDD-CY-FD) <i>20180423-50-13</i>
Sampling Location <i>R55-E-66m-1g-042318</i>		Database Key 159426788	
SWIMS Station ID 10049342		SWIMS Station Name EMMONS CREEK - EXPERIMENTAL REACH NEAR STRATTON LAKE RD	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) WOLF RIVER		Watershed Name WAUPACA RIVER	County PORTAGE

Sample and Site Descriptors	
Sample Collector (Last Name, First) DAVID A BOLHA, MICHAEL P SHUPRYT	Project Name EMMONS CREEK DISCHARGE REDUCTION MI FY18

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

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

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

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <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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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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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			
<b>Physical</b>				Point Source - Specify:			
Bank Erosion				Pasturing of Livestock			
Channelization: - Upstream				Runoff: - Barnyard			
- Downstream				- Construction			
Hydraulic Scour / Channel Incision				- Cropland			
Impoundment: - Upstream				- Urban			
- Downstream				Septic Systems			
Low Flow				Tile Drainage - Organic Soils			
Sedimentation				- Mineral Soils			
Sludge				Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Macayla Greider</i>	Taxonomist <i>Derrick Jeffrey</i>	Estimated Percent of Sample Sorted <i>100</i>
Date Processed <i>12/16/10</i>	Specimens Saved <i>Subsample archived in ABC until Mar 2022</i>	

*15  
 4273  
 288*