

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name Emmons Creek		Waterbody ID Code 261300	Sample ID (YYYYMMDD-CY-FD) 20171112-50-02
Sampling Location RSS-E-15m-4g-111217			Database Key 150698386
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
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Sampling Device

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

Habitat Sampled

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

Total Sampling Time (min)	Estimated Area Sampled (m²)	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 ☐ Clear ☐ Turbid ☐ Stained	Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☐ Moderate (0.15 m/s - 0.5 m/s) ☐ 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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
Biological				Chemical			
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:				Sources of Stream Impacts			
				Bank Erosion			
Physical				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

please count entire sample

For Lab Use Only		
Sample Sorter <i>Macayla Gorrider</i>	Taxonomist <i>Dimick, Jeffery</i>	Estimated Percent of Sample Sorted <i>100</i>
Date Processed <i>9/12/18</i>	Specimens Saved <i>Subsample archived in box</i>	

*114
 + 40
 154*

ABL SampleNum: 20171112-50-02

Waterbody: **Emmons Creek**
SWIMS Database Key: **150698386**
Taxonomist: **Dimick, Jeffrey**

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