

**Wadeable Macroinvertebrate
Field Data Report**

Form 3200-081 (R 8/14)

Page 1 of 2

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

Station Summary

Waterbody Name Emmons Creek **Waterbody ID Code** 261300 **Sample ID (YYYYMMDD-CY-FD)** 20171112-50-08

Sampling Location RSS-R-17m-2g-111217 **Database Key** 150698325

SWIMS Station ID 10049350 **SWIMS Station Name** EMMONS CREEK - CONTROL 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 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** _____

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)**

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)

Measured Velocity circle units m/s or f/s **Average Stream Depth of reach (m)** **Average Stream Width of reach (m)**

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

Comments

Special Instructions for Laboratory

Please count entire sample

For Lab Use Only		
Sample Sorter <i>Sam LaMarche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>100</i>
Date Processed <i>9/13/18</i>	Specimens Saved <i>Subsample archived in ABL</i>	

226 ~~374~~ → 600 specs (757 specs total)

1.5 hr in bag + 2 hr 45 min + 1 hr 35 min

ABL SampleNum: 20171112-50-08

Taxonomist: **Dimick, Jeffrey**

Page 1 of 1

[illegible]