

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name <u>Emmons Creek</u>		Waterbody ID Code <u>261300</u>	Sample ID (YYYYMMDD-CY-FD) <u>20171112-50-03</u>
Sampling Location <u>RSS-E-18m-3g-111217</u>		Database Key 150698390	
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: <u>Core Sampler</u>	

Habitat Sampled

☐ Riffle	☐ Run	☐ Pool	
☐ Other	☐ Shoreline Composite	☐ Proportionally-Sampled Habitat	
☐ Littoral Zone	☐ Profundal Zone	☐ Wetland	
Total Sampling Time (min)	Estimated Area Sampled (m ²)	Number of Samples in Composite	Replicate No. _____ of _____

Reason For Sampling

☐ Least Impacted Reference	☐ Baseline	☐ Impact / Treatment Site			
☐ Control Site	☐ Trend	☒ Other: <u>Special Project</u>			
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>Maeda Cole</i>	Taxonomist <i>Dimck, Jeffrey</i>	Estimated Percent of Sample Sorted <i>100</i>
Date Processed <i>9/13/18</i>	Specimens Saved <i>Subsample archived in HBL</i>	

265
511
776
7306

1,083

ABL SampleNum: 20171112-50-03

Taxonomist: **Dimick, Jeffrey**

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$$56 < (0.1 \times 881)$$