

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name Emmons Creek		Waterbody ID Code	Sample ID (YYYYMMDD-CY-FD) 20180514-50-10
Sampling Location R55-E-16m-2g-051418			Database Key 159426804
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	
<input type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input checked="" type="checkbox"/> Other: <u>Core</u>	

Habitat Sampled

<input type="checkbox"/> Riffle	<input type="checkbox"/> Run	<input type="checkbox"/> Pool
<input type="checkbox"/> Other	<input type="checkbox"/> Shoreline Composite	<input type="checkbox"/> Proportionally-Sampled Habitat
<input type="checkbox"/> Littoral Zone	<input type="checkbox"/> Profundal Zone	<input type="checkbox"/> Wetland

Total Sampling Time (min)	Estimated Area Sampled (m²)	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

<input type="checkbox"/> Least Impacted Reference	<input type="checkbox"/> Baseline	<input type="checkbox"/> Impact / Treatment Site
<input type="checkbox"/> Control Site	<input type="checkbox"/> Trend	<input checked="" type="checkbox"/> Other: <u>Special Project</u>

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color	Estimated Stream Velocity (m/s)
<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<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)

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
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

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>1/7/19</i>	Specimens Saved <i>Subsample archived in DBL until Mar 2022</i>	

143 Specs

University of Wisconsin - Oshkosh
 UW-O SampleNum: RSS-E-16m-2q-051418
 ABL SampleNum: 20180514-50-10

Waterbody: Emmons Creek
 SWIMS Database Key: 159426804
 Taxonomist: Dimick, Jeffrey

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis flavistriga</i> species complex	L I	1	1	Klob 2016		
<i>Ephemerella invaria</i>	L II	2	2	"		
<i>Brachycentrus americanus</i>	L X	10	10	Hils 1985		
<i>Brachycentrus</i> (Baccident)	P IV	2	2	Wigg Cur 2008		Y
<i>Microsema gelicum</i>	L II	2	2	Hils 1985		
<i>Microsema</i> (M. gelicum)	P III	3	3	Wigg Cur 2008		N
<i>Glossosoma intermedium</i>	L II	2	2	Wynn May 2000		
<i>Glossosoma</i> (G. intermed)	P III	3	3	Wigg Cur 2008		N
<i>Hydropsyche betteni</i>	L I	1	1	Schm Hils 1986		
<i>Hydropsyche</i>	L III	3	3	Hils 1985		
<i>Optoservus</i>	L I	1	1	Hils Schm 1992	imm	
<i>Simulium</i>	L I	1	1	Adl et al 2004	imm	N
<i>S. venustum</i> species complex	L I	1	1	"		
<i>Simuliidae</i>	L I	1	1	Corst Merr 2008	imm	N
<i>Atocha</i>	L X-III	18	18	Hils 1985		
Chironomidae 0825000	L 88x-III	99	99	Corst Merr 2008		N
Chironomidae 0825002	P III	3	3	Merr Webb 2008		
Gammarus	A II	2	2	Hils 1972	imm	
Naididae	A X-III	18	18	Isinbeld 1991		
Megadrili = <i>Metasynphora</i>	A I	5	5	Thorp Rog 2016		