

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name Emmons Creek		Waterbody ID Code 261300	Sample ID (YYYYMMDD-CY-FD) 20171112-50-03
Sampling Location RSS-E-18m-3g-111217			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
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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 <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
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>Maude 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

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
1/1 Taeniopteryx	L	x1	11	Hils 1995	imm	
2/17 Baetis tricaudatus	L	-1	6	Klob 2016		
Ephemereilidae	L	1	1	"	imm	
3/31 Brachycentrus americanus	L	x114	14	Hils 1985		
4/35 B. occidentalis	L	1111	4	"		
5/47 Microsema gelidum	L	x11	12	"		
6/35 Glossosoma intermedia	L	-111	8	Wym Morge 2000		
Hydropsychidae	L	"	2	Hils 1995	imm	N
Chaumatopsyche	L	111	3	"		
6/36 Glossosoma	L	1	1	"	imm	N
Hydropsyche betteni	L	1	1	Schmittils 1986		
Ceratopsyche slossonae	L	1	1	"		
Hydroptila	L	1	1	Hils 1995		
Optiosevus fastiditus	L	111	3	Hils Schm 1992		
Empididae	L	1	1	Court Merr 2008	dam	N
Neoplaista	L	0-111	28	"		
Simulium vittatum species complex 08110217	L	111	3	Adl et al 2004		
Antocha	L	811	42	Hils 1995		
Simulium	L	-1	6	Adl et al 2004		
Gammarus pseudolimnaeus	A	111	3	Hils 1972		
Trembidiformes	A	1	1	Thorp Reg 2016	imm	
Mermithidae	A	1	1	"	imm	
Naidinae	A	8x111	54	Springfeld 1991		
Chironemidae 09250000	L		742	Court Merr 2008		

>3 taxa, TVAL < 2.0
 56 < (0.1 x 881)