

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name SQUAW CREEK		Waterbody ID Code 634000	Sample ID (YYYYMMDD-CY-FD) 20191024-35-01
Sampling Location 5m D7 Crossing FR102			Database Key 209699392
SWIMS Station ID 10052767		SWIMS Station Name SQUAW CREEK 10 M US FR 102	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) GREEN BAY		Watershed Name PEMEBONWON AND MIDDLE MENOMINEE R	County MARINETTE
Sample and Site Descriptors			
Sample Collector (Last Name, First) ANDREW HUDAK		Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 2019	
Sampling Device			
☒ D-Frame Kick Net ☐ Surber Sampler ☐ Eckman ☐ Ponar ☐ Artificial Substrate ☐ Hess Sampler ☐ Other: _____			
Habitat Sampled			
☒ Riffle ☐ Run ☐ Pool ☐ Other ☐ Shoreline Composite ☐ Proportionally-Sampled Habitat ☐ Littoral Zone ☐ Profundal Zone ☐ Wetland			
Total Sampling Time (min) 3	Estimated Area Sampled (m ²) 5	Number of Samples in Composite 1	Replicate No. 1 of 1
Reason For Sampling			
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☒ Other: Natural Channel			
Water Temp. (C) 7.6	D.O. (mg/l) 11.04	D.O. (% sat.) 93	pH (su) 7.25
Conductivity (umhos/cm) 280		Transparency (cm) 7122	
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): 10	Rubble (tennisball to basketball): 30	Gravel (ladybug to tennisball): 30
Sand: 30	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____
Embeddedness of Substrate at Sample Site (%) 20		Canopy Cover at Sample Site (%) 60	

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Logan Cutler</i>	Taxonomist <i>Dimick, Jeffray</i>	Estimated Percent of Sample Sorted <i>5%</i>
Date Processed <i>9/14/2020</i>	Specimens Saved <i>127 subsample archived in ABL until Oct 2023</i>	

47 46 34
B1Q4 D1Q1 B1Q2

Wisconsin Department of Natural Resources

ABL SampleNum: 20191024-38-01

Taxonomist: Dimick, Jeffrey

Waterbody: Squaw Creek
SWIMS Database Key: 209699392

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Ephemera subvaria</i>	L	-	5	Klob 2016		
<i>Maccaffertium vicarium</i>	L	III	8	"		
<i>Paraleptophlebia</i>	L	XII	12	"	dam	N
<i>P. mollis</i>	L	II	2	"		
<i>Colepterygidae</i>	L	I	1	Merrillum B 2019	imm	
<i>Paracappella angulata</i>	L	III	3	Wetzel 1974		
<i>Leuctra</i>	L	HT	5	Merrillum B 2019	dam	
<i>Paragnetina medea</i>	L	I	1	Hils 1985		
<i>Taeniopteryx burksi</i>	L	III	4	Full Stew 1980		
<i>Micrasema gelidum</i>	L	I	1	Hils 1985		
<i>Ceratopsyche glassanae</i>	L	I	1	Schmidt 1986		
<i>C. sparna</i>	L	I	1	"		
<i>Cheumatopsyche</i>	L	III	4	Merrillum B 2019		
<i>Hydropsyche</i>	L	I	1	Hils 1985	imm	N
<i>N. betteri</i>	L	I	1	Schmidt 1986		
<i>Lepidostoma</i>	L	I	1	Merrillum B 2019		
<i>Phimmaria</i>	L	III	4	"	imm	N
<i>C. atremma</i>	L	0	20	Hils 1982		
<i>Dolophilodes distinctus</i>	L	-	5	Hils 1985		
<i>Psychomyia flavida</i>	L	I	1	"		
<i>Neophylax</i>	L	I	1	Merrillum B 2019	imm	
<i>Nigronia serricornis</i>	L	III	3	Nemzig 1966		
<i>Sialis</i>	L	I	1	Merrillum B 2019		
<i>Ophiosentis</i>	L	II	7	"	imm	N
<i>O. fastidius</i>	L	I	1	Hils Schmidt 1992		
<i>Ceratopogon eulicoidithorax</i>	L	I	1	Hils 1985		
<i>Nemerestrum</i>	L	I	1	Merrillum B 2019		
<i>Simuliidae</i>	P	I	1	"	dam	
<i>Antocha</i>	L	II	2	"		
<i>Split A2 Chironomidae</i>	L	II HT	5			
<i>Nannocladius (Plepteracladius)</i>	L	II	3	Anders 2013	imm	N
<i>Paramefronema</i>	L	II	7	"		
<i>Thienemannimyia group</i>	L	I	1	"	imm	
<i>Orthoclaudiinae</i> 08300000	L	I	1	"	mt indet	N
<i>Brillia</i>	L	II	2	"	imm	
<i>Nannocladius (Plepteracladius) species #5</i> Jacobsen	L	I	1	Epler 2001		
<i>Rheocricotopus</i>	L	I	1	Anders 2013		

Taxonomist: Dimick, Jeffrey

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