

**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 MEDICINE BROOK		Waterbody ID Code 531600	Sample ID (YYYYMMDD-CY-FD) 20191104-43-11
Sampling Location 30 m US of crossing			Database Key 209699388
SWIMS Station ID 383178		SWIMS Station Name MEDICINE BROOK AT HIGH FALLS RD	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) GREEN BAY		Watershed Name MIDDLE PESHTIGO AND THUNDER RIVERS	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) 4	Estimated Area Sampled (m ²) 6	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 Community			
Water Temp. (C) 6.3	D.O. (mg/l) 11.2	D.O. (% sat.) 92.8	pH (su) 8.1
Conductivity (umhos/cm) 309		Transparency (cm) >122	
Water Color		Estimated Stream Velocity (m/s)	
☒ Clear ☐ Turbid ☐ Stained		☐ 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) .2		Average Stream Width of reach (m) 5
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 50	Gravel (ladybug to tennisball): 25
Sand: 25	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____
Embeddedness of Substrate at Sample Site (%) 50		Canopy Cover at Sample Site (%) 100	

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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:		
Physical			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>RV</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>5.0%</i>
Date Processed <i>9/14/2020</i>	Specimens Saved <i>Subsample archived in ABL until Oct 2023</i>	

Grid → D1 *64*
Count → *63*

A3 *41*
31

D1 *Q3*
35

129

Taxonomist: Dimick, Jeffrey

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