

MiCorps Volunteer Stream Monitoring Program Monitoring Fact Sheet



Organization Name: Muskegon River Watershed Assembly

Monitoring Program Name: – Muskegon River Watershed Volunteer Stream Monitoring Program

Watersheds Monitored:

Brooks Creek-Muskegon River (0406010209)
Houghton Lake-Muskegon River (0406010201)
Little Muskegon River (0406010208)

County(ies): Newaygo, Montcalm, Roscommon



PROGRAM DESCRIPTION:

The Muskegon River Watershed Assembly conducted their Fall Sampling event held on September 18th, 2021 at Ed Henning Park Pavillion in Newaygo MI. The weather and the volunteer turnout was excellent. Partners from the Newaygo and Montcalm Conservation Districts participated and promoted the event with their networks to increase exposure to the event and to increase the number of volunteers. Members from the Native American community were also present. Overall, 24 volunteers sampled 6 sites in the Brooks Creek, and Little Muskegon subwatersheds. Teams of 4 were efficient, and well trained on sampling techniques, and identification.

One site located on the Hersey River at Rambadt Park was deemed unsafe for monitoring, due to severe erosion from foot traffic, and a lack of vegetation. Two new sampling locations were added this year on the Cut River, and Big Creek. Their latitude and longitude coordinates are provided below.

PROGRAM FAST FACTS

of Years Monitoring: 16

Volunteers participating annually: 24

Active Monitoring Sites: 8 (Active Fall 2021)

Excellent Quality Sites: 1

Very Good Quality Sites: 3

Good Quality Sites: 2

Fair Quality Sites: 1

Fairly Poor Quality Sites: 1

Poor Quality Sites:

Very Poor Quality Sites:

Link to Monitoring Program:

<http://www.mrwa.org/>

Link to Quality Assurance Plan:

https://mrwa.org/wp-content/uploads/2021/11/MRWA_QAPP_2-12-21.pdf



RESULTS

Fall 2021

<p>MWA-06-37-01, 43.33575° N, -85.87646° W WQR: Fair Comments: 90% canopy cover. Reports of agriculture manure applications running into this cool water trout stream.</p>
<p>MWA-06-43-05, 43.40038° N, -85.76092°W WQR: Good Comments: Sediment and nutrient loading caused from housing development.</p>
<p>MWA-06-31-06, 43.41681° N, -85.80463° W WQR: Excellent Comments: Evidence of erosion, downed trees. Sediment due to stream bank destabilization, flooding and heavy public use.</p>
<p>MWA-04-31-06, 43.40878° N, -85.41246° W WQR: Very Good Comments: Culvert replacement in 2016, agriculture runoff present.</p>
<p>MWA-04-31-07, 43.41017° N, -85.39702° W WQR: Fairly Poor Comments: Culvert replacement in 2016, agriculture runoff present. Very Turbid.</p>
<p>MWA-4-31-08, 43.39837° N, -85.46263° W WQR: Very Good Comments: Bank stabilization in 2016 and sediment loading from road.</p>

<p>(B1) 43.8841°N, -85.5124° W WQR: NA Comments: Hersey River @ Rambadt Park. Severe bank erosion due to collapsing bank and lacking vegetation. UNSAFE COND.</p>
<p>MWA-08-02-02, Cut River, 44.433848°N, -84.670410°W WQR: Very Good Comments: Substitute/additional site</p>
<p>MWA-08-05-01, Big Creek, 44.497382°N, -84.777824°W WQR: Good Comments: Substitute/additional site</p>
<p>Site Name, Lat/Long or Address WQR: Comments:</p>
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