

MiCorps Volunteer Stream Monitoring Program Monitoring Fact Sheet



Organization Name: Kalamazoo Nature Center

Monitoring Program Name: River Guardians

Watersheds Monitored: Kalamazoo River Watershed

County(ies): Kalamazoo County

Program Manager: Jennifer Meilinger
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Fact Sheet Updated: 11/2/2021



PROGRAM DESCRIPTION:

Twice a year, the River Guardians sample the Kalamazoo River Watershed for aquatic macroinvertebrates. By following the MiCorps protocol, the River Guardians are able to collect and document macroinvertebrates which influence a water quality rating that gets assigned to each sampling site. This is possible because some macroinvertebrates are more sensitive to pollutants than others and by looking at individual occurrences it tells a story about the health of the watershed.

PROGRAM FAST FACTS

of Years Monitoring: 9

Volunteers participating annually: ~25

Active Monitoring Sites: 4

Excellent Quality Sites:

Very Good Quality Sites:

Good Quality Sites: 1

Fair Quality Sites: 1

Fairly Poor Quality Sites:

Poor Quality Sites: 2

Very Poor Quality Sites:

Link to Monitoring Program:

<https://naturecenter.org/Conservation/Citizen-Science>

Link to Quality Assurance Plan:

<https://naturecenter.org/Portals/0/Kalamazoo%20River%20Guardians%20Monitoring%20Project%20QAPP%20%282%29.pdf>



RESULTS

Spring 2021

Davis Creek
42.27225361669652, -85.54135300015767
WQR: Fair
Comments:

Kalamazoo River at D Avenue
42.37722326920304, -85.57871918866385
WQR: Vey Good
Comments:

Arcadia Creek
42.290262665903356, -85.59672168236658
WQR: Fairly Poor
Comments:

Kalamazoo River at Merrill Park
42.28567727249582, -85.51537836499872
WQR: Excellent
Comments:

Fall 2021

Davis Creek
42.27225361669652, -85.54135300015767
WQR: Fair
Comments:

Kalamazoo River at D Avenue
42.37722326920304, -85.57871918866385
WQR: Good
Comments:

Arcadia Creek
42.290262665903356, -85.59672168236658
WQR: Poor
Comments: Total abundance was low

Kalamazoo River at Merrill Park
42.28567727249582, -85.51537836499872
WQR: Poor
Comments: Total abundance was low