

# Ingham Conservation District MiCorps Project Fact Sheet

**Project Name:** Ingham Conservation District Volunteer Stream Monitoring Program

**Amount of Grant:** \$12,000.00 **Matching Funds:** \$4,663.96

**Project Duration:** 6/1/2015 – 5/31/2017

**Applicant:** Ingham Conservation District, Michelle Beloskur  
1031 W. Dexter Trail, Mason, MI 48854  
(517) 676-2290, info@inghamconservation.com

**Primary Project Location:** Ingham County



Volunteers sorting specimens at Ingham County stream site.

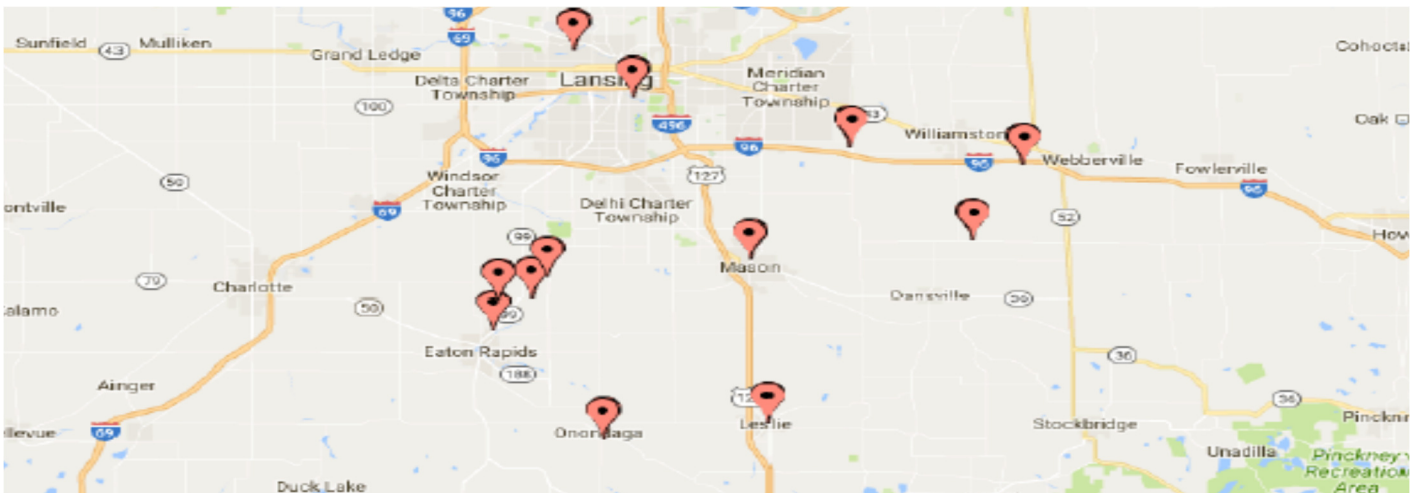


Volunteers collecting samples in Ingham County

COLLECTION SITES	TOWNSHIP	LATITUDE	LONGITUDE
Site 1) Huntoon Creek at Bellevue Rd.	Leslie Township	42.449722	-84.430556
Site 2) Grand River at Baldwin Park	Onondaga Township	42.437979	-84.559532
Site 3) Columbia Creek at Waverly Rd.	Eaton Rapids Township	42.570707	-84.602369
Site 4) County Line Drain at Bunker Rd.	Eaton Rapids Township	42.553002	-84.614995
Site 5) Benton Drain at Smith Rd.	Eaton Rapids Township	42.550934	-84.641007
Site 6) Spicer Creek at M-99	Eaton Rapids Township	42.525823	-84.645539
Site 7) Grand River at Tecumseh Park	Lansing Township	42.755389	-84.582839
Site 8) Red Cedar River at Pennsylvania Ave.	Lansing Township	42.717241	-84.536115
Site 9) Sloan Creek at Button Rd. & Meridian Rd.	Alaiedon Township	42.676057	-84.363777
Site 10) Doan Creek at Howell Rd.	Wheatfield Township	42.601046	-84.268056
Site 11) Dietz Creek at Dietz Rd.	Leroy Township	42.662689	-84.227954
Site 12) Sycamore Creek at Mason cemetery	Alaiedon Township	42.584453	-84.443914



Identification Night at Michigan State University



**Project Partners:** Michigan State University Department of Entomology, Ingham Conservation District Board of Directors, Middle Grand River Organization of Watersheds, MSU Institute of Water Research, Eaton Conservation District, Jackson County Conservation District and Mid Michigan Environmental Action Council

**Project Goals and Summary:** The primary goals for this monitoring project were to provide data for previously un-sampled tributaries in the Red Cedar River Watershed and provide on-going monitoring of invertebrate populations in waterways of the Red Cedar River, Middle Grand River and Upper Grand River Watershed that have been targeted for non-point source (NPS) pollution reduction and riparian restoration. While previously sampling efforts by the Ingham Conservation District, neighboring Eaton and Jackson County Conservation Districts and the Mid-Michigan Environmental Council have provided valuable information about the quality of rivers and streams in and around Ingham County, there were still significant gaps where the need for sampling exceeded the available programs. The MiCorps project helped close these gaps by providing regional continuity in data collection and reporting. The Red Cedar River Watershed, the Upper Grand River Watershed and the Middle Grand River Watershed are the three watersheds that cover most of Ingham County. An organization in each of these watersheds has held a grant from the Michigan Department of Environmental Quality's (MDEQ) Non-Point Source Program to develop watershed plans and/or implement solutions to NPS pollution issues, including *E.coli* pollution, non-sustainable land use and sedimentation. The ICD was able to share monitoring results with each of these organizations to provide both current data on invertebrate populations and stream health, as well as long-term monitoring to help evaluate the success of their outreach efforts and implementation projects.

**Project Accomplishments:**

- Organized and facilitated spring and fall macroinvertebrate trailing, collection and identification events
- Promoted program and recruited volunteers via newsletters, social media, website, press releases, events and coordination with partners
- Analyzed collected data during off-season sampling months using MiCorps preferred methods and Functional Feeding Group Assessment
- Entered all habitat and macroinvertebrate data into the MiCorps online database
- Ascertained quality of sampling and identification
- Participated in annual MiCorps conferences and present at the 2016 conference
- Shared results of the VSMP with grant partners and other local agencies, relevant townships and Ingham County
- Shared results of VSMP with the public via the ICD website, newsletters, social media and annual meeting
- Updated volunteers on collection results and sought feedback from volunteers after training and events

**Monitoring Activities & Results**

Fall 2015: 12 sites, 20 collection participants, 9 identification participants

Spring 2016: 12 sites, 22 collection participants, 11 identification participants

Fall 2016: 8 sites, 12 collection participants, 6 identification participants

Spring 2017: 12 sites, 31 collection participants, 7 identification participants

COLLECTION SITES	FALL 2015	F15 SCORE	SPRING 2016	S16 SCORE	FALL 2016	F16 SCORE	SPRING 2017	S17 SCORE
Site 1) Huntoon Creek at Bellevue Rd.	POOR	18.4	FAIR	24.5	n/a	n/a	FAIR	30.5
Site 2) Grand River at Baldwin Park	FAIR	32.7	FAIR	24.6	n/a	n/a	GOOD	34.9
Site 3) Columbia Creek at Waverly Rd.	FAIR	25.7	FAIR	29.4	POOR	13.3	POOR	13
Site 4) County Line Drain at Bunker Rd.	POOR	7.1	POOR	12.3	n/a	n/a	POOR	11.2
Site 5) Benton Drain at Smith Rd.	POOR	11.6	FAIR	21.4	n/a	n/a	POOR	10.3
Site 6) Spicer Creek at M-99	POOR	12.5	POOR	17.3	POOR	15.3	POOR	5.2
Site 7) Grand River at Tecumseh Park	FAIR	20.7	POOR	13.2	GOOD	39	POOR	17.7
Site 8) Red Cedar River at Pennsylvania Ave.	FAIR	21.7	POOR	9.3	FAIR	24.4	POOR	18.6
Site 9) Sloan Creek at Button Rd. & Meridian Rd.	POOR	16.3	POOR	4	FAIR	29.1	FAIR	21.4
Site 10) Doan Creek at Howell Rd.	POOR	8.3	FAIR	19.4	FAIR	24.2	FAIR	19.4
Site 11) Dietz Creek at Dietz Rd.	POOR	11.1	POOR	16.2	POOR	7.2	FAIR	19.2
Site 12) Sycamore Creek at Mason cemetery	FAIR	20.4	POOR	16.5	FAIR	32.9	FAIR	22.2