



Michigan's  
Nonpoint Source  
Program

## Federal Clean Water Act Section 319 Grant

Tracking code **2013-0034**



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### Lake Charlevoix Watershed: Protection through Action Project

September 2013 through December 2016

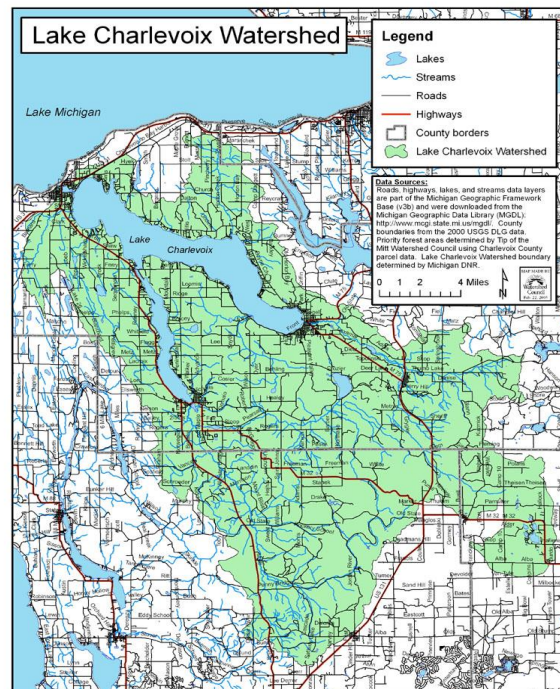
Lake Charlevoix has excellent water quality. However, pollutants that threaten the lake are continually introduced from unpaved roads, inadequate road-stream crossings, eroded streambanks, stormwater runoff from urban and agricultural areas, and other sources. This project implemented specific steps from the Lake Charlevoix Watershed Management Plan to address sediment, nutrient, and toxin pollution by enacting effective water quality protection measures. Using the results from prior Social Indicator Surveys and Focus Groups, we worked with local governments and committed partners on zoning efforts to protect the lake now and far into the future.

**Grant Amount: \$ 134,105**  
**Match Funds: \$ 60,207**

**Total Amount: \$ 194,312**

#### Partners involved:

- **Land Information Access Association (LIAA):** Worked with 10 jurisdictions around the lake to address coordinated shoreline protection ordinances. Interactive website created for local governments to work together: [www.lakecharlevoixprotection.org](http://www.lakecharlevoixprotection.org)
- **MSU Extension:** Addressed survey and focus group findings that expressed concerns about enforcement of existing shoreline ordinances. MSUE brought together Zoning Administrators in the Watershed to address specific challenges.
- **Lake Charlevoix Association (LCA):** Created the Lake Guardian Program to target individuals, Home Owner Associations, and businesses to pledge to "lake friendly" practices. This includes a recognition program and a spot on the LCA website featuring local businesses.
- **Health Department of Northwest Michigan:** Worked on the Septic Question Project Subcommittee to pass a new Sanitary Code for the District. The Project also created a Final Report to begin a community conversation about septic system oversight policies.



#### I&E Activities:

- LIAA **Local Government Steering Committee** meetings focused on common challenges and solutions.
- MSUE and LCA conducted 3 educational **Annual Water Quality Tours** for local officials
- MSUE held 3 educational **Annual Planner's Forums**
- Tip of the Mitt Watershed Council and the Health Department of Northwest Michigan created a **Septic Question Project Final Report** for citizens and local officials. They also did numerous presentations to local governments and interested citizen groups.



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