



Galien River Implementation II

July 1, 2008 - March 31, 2012

The Galien River Watershed Management plan was completed in 2003 and an Addendum including data for the EPA's nine elements was completed in 2005. Contaminants in the Galien River exceed the Michigan Department of Environmental Quality's (DEQ) Total Maximum Daily Load (TMDL) requirements for *E. coli* and do not meet water quality standards. This project: raised public awareness of water quality issues and evaluated public knowledge through a social indicator study; addressed impairments to water quality in the TMDL areas; developed and implemented wetland protection programs; and increased local officials' knowledge of watershed issues and opportunities for water quality improvement through the use of Best Management Practices.

Grant Amount: \$ 309,400

Match Funds: \$ 243,500

Total Amount: \$ 552,900

Best Management Practices:

- 3 Conservation easements totaling 3,400 linear feet and 72 acres

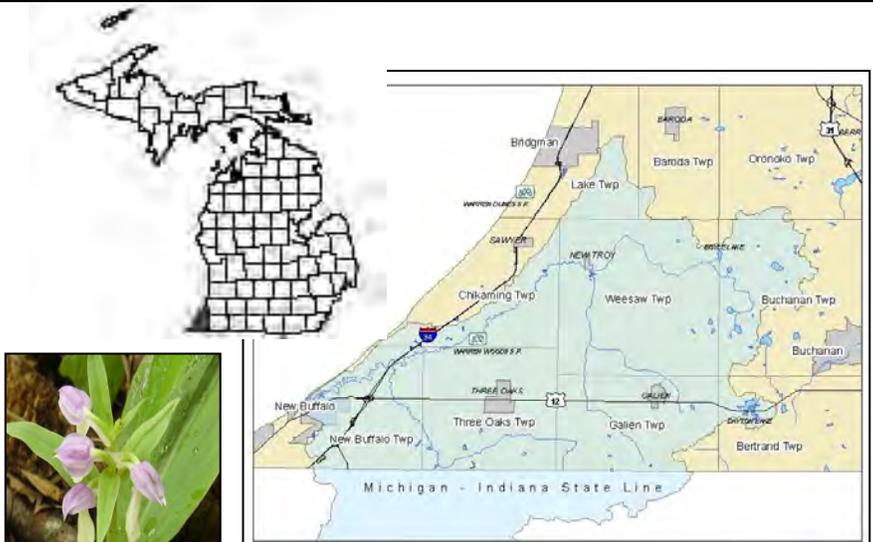
Annual Load Reductions:

- Sediment - 4.8 tons
- Nitrogen - 177 pounds
- Phosphorus - 6 pounds



I&E Activities:

- Social Indicator Survey using SIDMA pilot program to identify local attitudes and understanding about clean water.
- Door-to-door survey and outreach and a media campaign about septic maintenance
- Septic informational meetings including well water testing night
- Galien River Steering Meetings
- River clean-Ups
- Wetland restoration plans developed
- Water trail in the Galien River Marsh
- Low Impact Development meetings, workshops and tours for local government.
- Canine scent-tracking for non-point source tracking 
- LLWFA Plan completed for the Galien Watershed



Partners involved:

- Berrien County Health Dept.
- Chikaming Open Lands
- Southwest Michigan Planning Commission

Maintaining your septic system benefits the entire community by giving everyone access to clean, safe water resources.





The Genetzke Conservation Easement is located in Chikaming Township. A total of 25 acres of floodplain forest and 1,500 feet of Galien River frontage are protected by the easement.



The Burns Conservation Easement is located in Galien Township. A total of 12 acres of forest and farmland, including 800 feet along an ephemeral stream, are protected.



The Rose Hills Conservation Easement is located in Buchanan Township. A total of 35 acres of forest and farmland, including 1,100 feet along a small stream, are protected.

Well water samples were tested for nitrates after a program about septic maintenance and pollutants in the watershed.



Three restoration plans have been developed using the LLWFA Plan to identify sites.



Canine scent-tracking was used for non-point source tracking.