



Federal Clean Water Act Section 319 Grant



Charlevoix Conservation District

Telephone: (231) 582-6193

Fax: (231) 582-6236

Email: howard@nmo.net

Lake Charlevoix Watershed Project

December 2001 through March 2005

Tracking Code: 2000-0159

The Lake Charlevoix Watershed Project (319) had three primary goals: 1) Implement priority recommendations from the management plan to reduce and prevent nonpoint source pollution to Lake Charlevoix and its Watershed; 2) Implement information and education programs targeted towards priority problems and audiences; and 3) Involve the community in the implementation project.

Projects were focused on reducing pollution from stormwater runoff; reducing pollution from shoreline properties; addressing long-term strategies to improve road/stream crossings; providing educational materials to the agricultural community on nonpoint source pollution; implementing education strategies for recreation users; promoting land stewardship and land protection; providing information to improve forest management; providing education materials and programs on land use planning and management activities; and providing education programs for youth in the watershed.

Information and Education Accomplishments Summary:



•Publications:

Lake Charlevoix Watershed Plan Summary
Permit Guide for Shoreline Property Owners
Life at Waters Edge—Packet
BMP Guide for Horse Owners
BMP Guide for Agricultural Producers
BMP Guide on Forestry Activities

•Signs

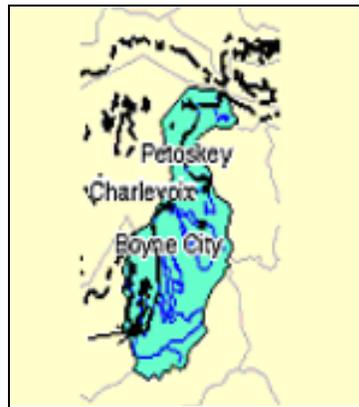
Angler stewardship for the Boyne River
Wagbo Peace Center sign
Jordan River Recreation Stewardship

•Education Programs:

Experience Lake Charlevoix
Brown's Creek Study
Storm Drain Marking
Citizen Planner

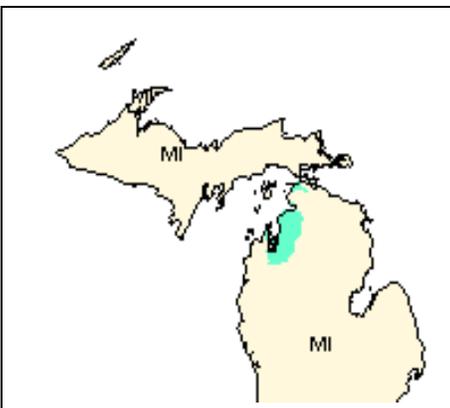
•Other Activities:

Series of Ads on Stormwater Pollution
Watershed Rambles
Presentations



Partners Involved:

Antrim Conservation District
Antrim County
Antrim County Road Commission
Charlevoix Conservation District
Charlevoix County Board of Commissioners
Charlevoix County Planning Commission
Charlevoix County Road Commission
Charlevoix Land Conservancy
City of Boyne City
City of Charlevoix
City of East Jordan
Conservation Resource Alliance
Friends of the Boyne River
Friends of the Jordan River Watershed
Grand Traverse Band of Ottawa and Chippewa Indians
Grand Traverse Regional Land Conservancy
Lake Charlevoix Association
Little Traverse Bay Band of Odawa Indians
Little Traverse Conservancy
Michigan Department of Environmental Quality
Michigan Department of Natural Resources
MSU Extension
Natural Resources Conservation Service
Northwest Michigan Community Health Agency
Northwest Michigan Council of Governments
Tip of the Mitt Watershed Council



Grant Amount: \$ 216,700

Match Funds: \$ 85,800

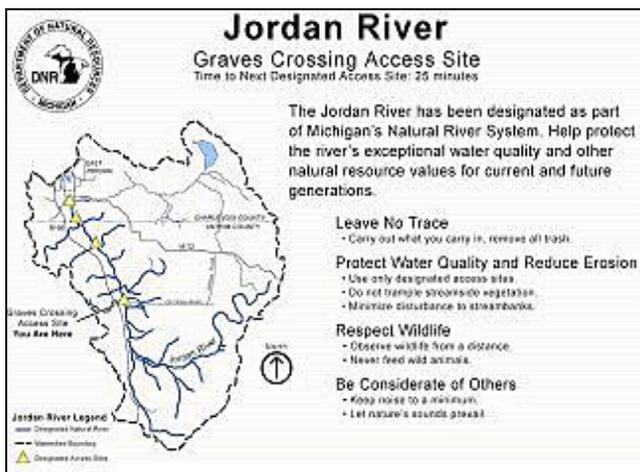
Total Amount: \$ 302,500

Lake Charlevoix Watershed Project



Information and Education

Photo Highlights--Information and Education Activities

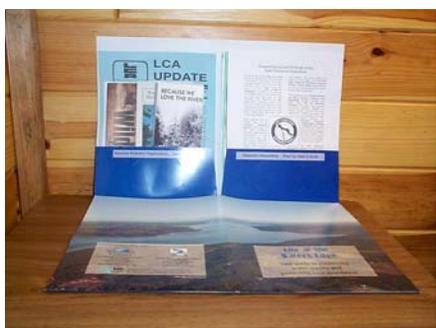


Summary of Project:

The Lake Charlevoix Watershed Project implemented numerous programs for a variety of audiences. Below is a summary of some of the projects accomplishments.

- Students in Boyne City helped to install markers on storm drains in the city
- Experience Lake Charlevoix took 400 sixth grade students in 2002-2004 aboard the Beaver Islander ferry boat to learn about watersheds and water quality
- Established a program for East Jordan students to conduct assessments on Brown's Creek
- Published 4000 copies of a four-color summary of the Lake Charlevoix Watershed Plan and distributed to every local government official
- Printed a permit guide to inform shoreline property owners about environmental regulations, permits needed, and contact information
- Coordinated meetings with canoe liveries, developed educational signs on stewardship of the resources, and worked with M.DNR to install the signs at the major launch sites on the Jordan River
- Sponsored the MSUE Citizen Planner program for local government officials in the watershed, to improve land use planning & management decisions from future development and encourage better coordination amongst townships

Photo Highlights--Information and Education Activities (continued)



Summary of Project continued:

- Created BMP brochures addressing water quality.
 - WQ Friendly Agricultural Practices
 - WQ Practices for the Horse Hobbyist
 - WQ Friendly Forestry Practices.
- Created folder on good shoreline property management and met with real estate offices for assistance distributing the information to new shoreline property owners
- Educated anglers on the relationship of nonpoint source pollution to fisheries resources. Partners created and installed a full-color sign encouraging stewardship at a popular fishing spot on the Boyne River
- Coordinated a tour of DNR lake access sites to identify nonpoint source pollution problems
- Promoted land stewardship and land protection of sensitive lands in the Watershed with conservation easements and PDR
- Developed a map that identified the sensitive forestlands within the priority area, with the potential for future forestry activities
- Prepared forest management plans for 5 forest landowners in the priority area
- Developed a report assessing the benefits & challenges of septic inspection programs/septic maintenance districts