



**Clean Water Act
Section 319**

Nonpoint Source Tracking code #2003-0046
Program



Huron Pines

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Ocqueoc River Watershed Transition/Implementation Project

August 2004 through December 2005

The Ocqueoc River Watershed Transition/Implementation Project began in August 2004 in order to update the management plan to meet the EPA's new 9 elements and to implement Best Management Practices outlined in the original planning document. Numerous outreach programs were conducted including hosting five workshops, developing a "Caring for the Ocqueoc River" newsletter which was sent to over 300 riparian landowners, two educational kiosks were created, a policy and planning toolkit CD was created and distributed to local governments and over 90 volunteers participated in a river clean-up. In addition, the top priority road/stream crossing was repaired eliminating an estimated 17 tons of sediment from entering the river system yearly.

Grant Amount: \$ 99,999.68
Match Funds: \$ 25,380.00

Total Amount: \$ 125,379.68
(US Fish & Wildlife Service \$18,200)

Best Management Practices:

- Two perched culverts replaced by one bottomless culvert
- 6 diversion outlets installed
- .2 acres revegetated
- 650 linear feet of the approaches were regarded and hardened with crushed aggregate



Annual Load Reductions:

- 17 tons of sediment
- 14 pounds of phosphorous
- 29 pounds of nitrogen

Ocqueoc River Watershed



I&E Activities:

- Held 5 water resource workshops
- Developed a newsletter and mailed along with Landscaping for Water Quality booklet to 395 riparian property owners
- Circulated 4 water resource articles in two local papers
- Educational kiosks were placed at two public libraries
- Watershed information and project updates were provided on the internet
- One river clean-up engaging over 90 volunteers was completed
- Policy and planning CD was provided to 5 townships and the planning commission
- Met with 7 landowners interested in permanent land conservation options.



Partners involved:

- Bearinger Township
- Bismark Township
- Case Township
- District Health Department #4
- Lafarge North America
- Groundwater Stewardship Program
- Hammond Bay Anglers
- Hammond Bay Biological Station
- HeadWaters Land Conservancy
- Huron Pines Resource Conservation and Development Area Council, Inc.
- Michigan Department of Environmental Quality (DEQ)-Water Division
- Michigan Department of Natural Resources (DNR)-Fisheries Department

Partners involved:

Michigan State University Extension
Moltke Township
Natural Resources Conservation Service (NRCS)
Northeast Michigan Community Service Agency (NEMSCA)
Northeast Michigan Council of Governments (NEMCOG)
Ocqueoc Township
Onaway Public Schools
Presque Isle County Board of Commissioners
Presque Isle County Conservation District
Presque Isle County District Library
Presque Isle County Planning Commission
Presque Isle County Road Commission
Property Owners
US Fish and Wildlife Service



Riparian landowners participate in a land stewardship workshop where a native greenbelt was planted at the Ocqueoc Outdoor Center.



Educational kiosks were placed at two public libraries in the watershed. Material was updated regularly and informational packets were available to anyone interested in the Ocqueoc River and natural resource stewardship.



Over 90 volunteers participated in the Ocqueoc River Cleanup.



Ocqueoc Site 39: Little Ocqueoc River and North Silver Creek Road

Site 39 had two undersized perched culverts impeding fish passage and creating a large pool downstream. The approaches were long and steep resulting in over 17 tons of sediment washing into the river each year. Once BMPs were installed, the stream channel returned to a more natural condition and fish passage was improved. Runoff from the approaches was reduced by at least 75%. An additional \$18,200 was provided by the US Fish and Wildlife Service to complete this project.