



**Clean Michigan Initiative
Nonpoint Source Grant
1999-0074**



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River Raisin

October 1, 1999 through September 30, 2004

The River Raisin watershed covers 1,072 square miles in the Southeast part of Michigan. Sediment, nutrients, bacteria and pesticides are the nonpoint pollutants affecting the river.

The goal of this project was to bring groups and organizations together to address water quality issues in the River Raisin Basin and design a broad spectrum of information and education programs on land use for decision-makers throughout the watershed. This project focused on four program components: 1) Fostering Community Action, 2) Information Education, 3) Adopt-a-stream Program, 4) Implementation of Best Management Practices.



Grant Amount: \$ 525,500.00
Match Funds: \$ 268,855.37

Total Amount: \$ 794,355.37

Best Management Practices:

- Urban Stream Bank & Critical Area Project, Adrian
- Stream Crossing Stabilization, Clayton
- Road Crossing Stabilization, Clayton
- Urban Stream Bank Erosion Project, Blissfield
- Nutrient Management, Morenci
- Dairy Waste Water Sub-irrigation Project
- Conservation Tillage
- Cover Crops



Annual Load Reductions:

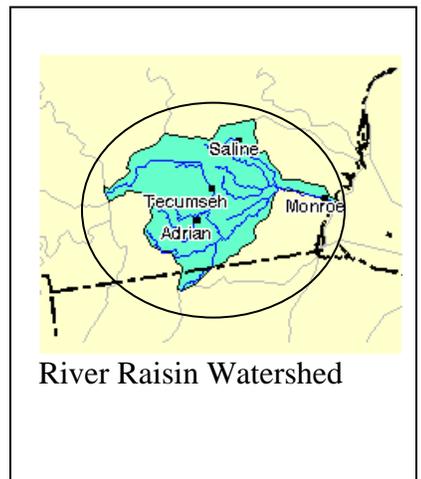
- 51,386+ tons sediment for all BMPs annually
- 23,000 lbs phosphorous for all BMPs annually
- 11,000 lbs nitrogen for all BMPs annually

I&E Activities:

- Drain Inventories (Evans Creek, Macon Drain, Little River Raisin, Black Creek)
- River Raisin Poster and Mailers
- The River Book
- Water Wonders Field Day
- Information and Education Reference Guide
- Adopt-A-Stream Reference Guide
- Geo-Book



Southeast Michigan Corner



River Raisin Watershed

Partners involved:

- USDA NRCS
- Lenawee Co. Drain Commission
- Lenawee Co. Road Commission
- Lenawee Co. Health Department
- City of Tecumseh
- City of Adrian
- MI Soybean Promotion Committee
- Corn Marketing Program of Michigan
- Michigan State University
- Monroe and Washtenaw Conservation Districts
- Wacker Silicone Corp.
- Lenawee County Commissioners

Urban Stream Bank Project

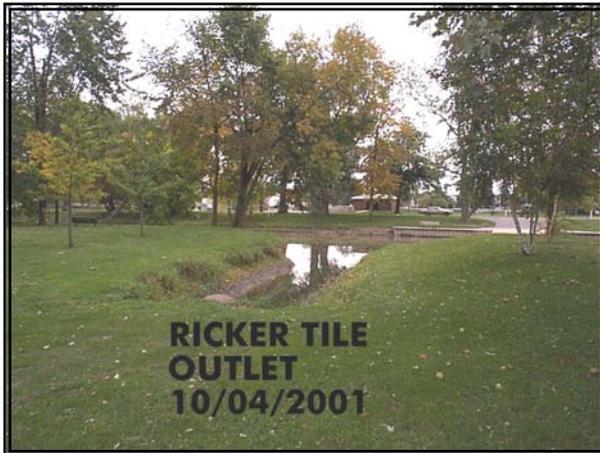




Stream Crossing Project Before:
Severe erosion washed crossing culvert out.



Stream Crossing After:
Larger culverts were installed with large rock riprap to stabilize the stream banks.



Urban Stream Bank Erosion Project Before:
Severe stream bank erosion at the outlet of the drain.



Urban Stream Bank Erosion Project After:
New outlet and rock riprap were installed, along with a partnership sign.