



DEQ
Michigan's
Nonpoint Source
Program

Clean Michigan Initiative
Nonpoint Source Grant
Tracking code#2004-0163

Ottawa County Parks & Recreation Commission

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Upper Macatawa Restoration Project - Phase 2

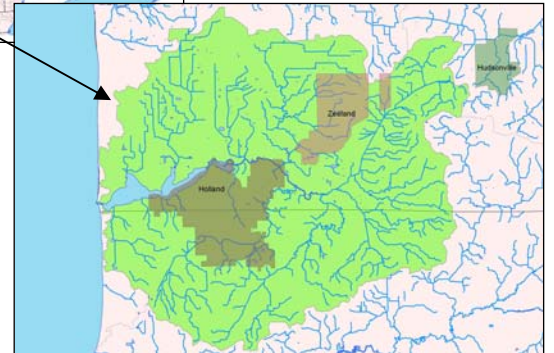
March 1, 2005 - August 31, 2007

As part of a multi-objective effort to reduce nonpoint source pollution to the Macatawa River and create a large county park complex, Ottawa County Parks and Recreation Department used a Clean Michigan Initiative Nonpoint Source Grant administered by the Michigan Department of Environmental Quality (MDEQ) to realign approximately 1,600 feet of the Upper Macatawa River. The project also created a series of treatment wetlands, off-line channels and low, broad serpentine berms and wide native vegetation buffers to remove sediment and phosphorus from the river. The restoration area comprises 70 acres on the upper reaches of the Macatawa River in Ottawa County, approximately 1-mile east of Zeeland.



Grant Amount: \$369,700
Match Funds: \$603,200

Total Amount: \$972,900



Best Management Practices:


- Permanent Conservation Easement
- Stream channel restoration
- Wetland restoration / creation



Annual Load Reductions:

- Phosphorus: 130 pounds
- Nitrogen: 260 pounds
- Sediment: 130 tons

I&E Activities (concurrent with but outside the grant scope):

- Interpretive information to be posted
- Tours for various groups and agencies
- Volunteer day to rescue fauna prior to stream re-alignment 

Partners involved:

- Ottawa County Parks
- Macatawa Greenway Partnership
- Land Conservancy of West Michigan
- Zeeland Charter Township

