



Clean Michigan Initiative Nonpoint Source Grant



Marquette Conservation District
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Central Lake Superior Watershed Partnership

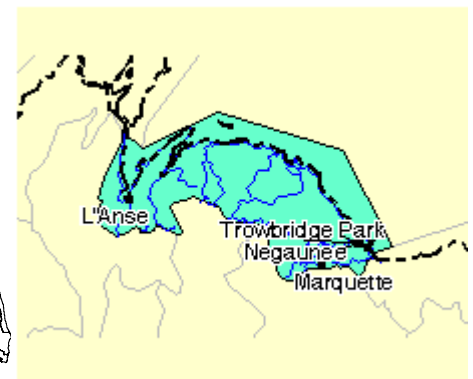
August 31st 2000 - September 15th 2003

The Central Lake Superior Watershed Partnership includes four prioritized river systems located in Marquette County, Michigan: the Yellow Dog River, Dead River, Chocolay River, and Whetstone Brook Watershed. Each of these rivers is classified as a cold water fishery which includes important spawning habitat for species of Lake Superior trout and salmon. The Yellow Dog, Dead, and Chocolay Rivers are predominantly rural watersheds, with the major land cover types being northern hardwood and conifer forests. The Whetstone Brook watershed is a smaller urban watershed located in, and adjacent to, the City of Marquette (pop. 20,000). Each of these watersheds is experiencing increased sedimentation and degradation of aquatic habitat due to nonpoint source pollution. The most significant sources of sedimentation for these watersheds are eroding stream crossings and eroding stream banks. The goal of this project was to stabilize the priority erosion sites within these watersheds.



Grant Amount: \$ 190,960
Match Funds: \$ 64,000

Total Amount: \$ 254,960



Best Management Practices:

- 8 Stream Crossings Stabilized
- 3 Stream Banks Stabilized
- 1 Recreational Access Site Stabilized



Annual Load Reductions:

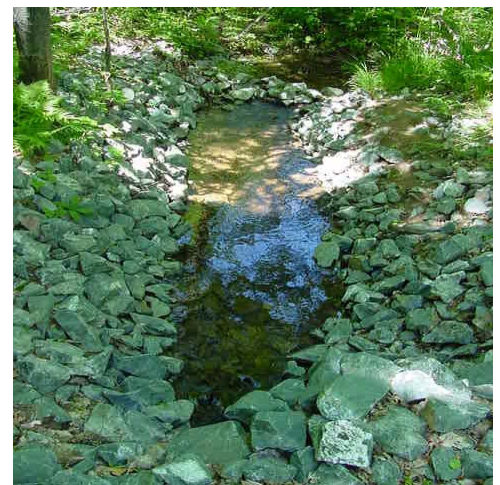
- 1,189 tons of sediment
- 1,477 lbs. of phosphorus
- 1,157 lbs. of nitrogen

Partners involved:

- Marquette County Road Commission
- Marquette Community Foundation
- Yellow Dog Watershed Council
- Chocolay Watershed Council
- Whetstone Watershed Council
- Northern Michigan University

I&E Activities:

- Identified u/s & d/s monitoring sites @ project coordination meetings
- People & Land Reference Guide
- Trail erosion remediation





Yellow Dog at Bear Lake Site After:
Downstream of the Yellow Dog site
stabilized with 130 foot rock crib wall.



Yellow Dog at Bear Lake Site After:
Outlet at Yellow Dog Site, stabilized with 90
cubic yards of riprap.



Yellow Dog at Bear Lake Site After:
Yellow Dog site with water diversion practice
implemented.



Yellow Dog at Bear Lake Site After:
Yellow Dog site stabilized with 90 cubic yards of
riprap along with 100 cubic yards of soil and
vegetation.