



**DEQ**  
Michigan's  
Nonpoint Source 2000-0136  
Program

**Clean Michigan Initiative  
Clean Water Fund**



Grand Traverse Conservation District

Telephone: (231) 941-0960

Fax: (231) 941-0837

Email: slargent@gtcd.org

**Boardman River Implementation Project**

June 1, 2001 -December 30, 2005

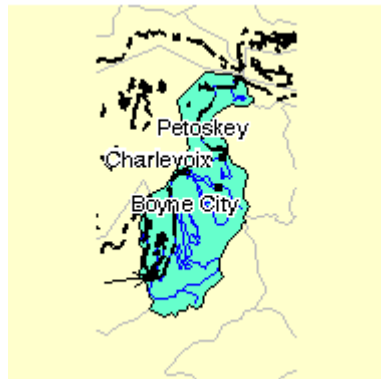
The 182,800 acre Boardman River Watershed is located in northwestern lower Michigan and encompasses portions of Grand Traverse and Kalkaska Counties. The River is a state-designated "Blue Ribbon" trout stream and a Natural River. The River is severely impacted by sedimentation, primarily from human activity. The goal of this grant was to implement best management practices to reduce the amount of sediment entering the River by a minimum of 300 tons per year and annually remove a minimum of 500 tons per year. This was accomplished through the restoration of 89 streambank erosion sites, repairing 12 road/stream crossings, and installing one sediment basin. Keys to the success of the project include a strong working relationship with the county road commission, utilization of prison crew labor, and overwhelming community support.



**Grant Amount: \$ 357,200**

**Match Funds: \$ 725,400**

**Total Amount: \$ 1,082,600**



**Best Management Practices:**

- Rock Rip-Rap
- Coir Fiber Roles
- Fish Habitat Structures
- Whole-tree Revetment
- Access Steps
- Cedar Whole-log Fencing
- Canoe Slide
- Canoe Launch/Landing
- Observation/Fishing Decks
- Top-soil
- Native Plantings
- Culvert Replacement
- Rock Rip-Rap
- Pavement w/Raised Edge
- Infiltration/Retention Basins
- Plantings

**Annual Load Reductions:**

- 745 tons of sediment
- 677 lbs of Phosphorus
- 1,334 lbs of Nitrogen



**Partners involved:**

- Grand Traverse County Road Commission
- Kalkaska County Road Commission
- Grand Traverse and Kalkaska
- County governmental units
- The Towsley Foundation
- The Adams Chapter of Trout Unlimited
- Gourdie-Fraser & Associates
- Ranch Rudolf
- MDNR - Forest Management Division





**Schecks Site Before:**

A popular access site at the Schecks State Campground (S503) located on the main stem of the Boardman River downstream of Ranch Rudolf.

**Schecks Site After:**

A fishing/observation deck was constructed through this grant with associated access step, wheelchair ramp, and fencing.



**Site S160 Before:**

Eighty-nine streambank erosion sites were restored through this grant. Few were as severe as this site known as S160.

**Site S160 After:**

Steps, cribbing, and cedar fencing were installed to direct people to allow access to the River without destroying the bank.