

Pere Marquette Tributary & Mac Road Project

Pere Marquette River Watershed

October 2010



Conservation
Resource Alliance

Telephone: 231-946-6817

www.rivercare.org

Email: info@rivercare.org



The Pere Marquette River is a state designated Natural River, a federally designated Wild and Scenic River, and a Blue Ribbon Trout Stream. Tributaries like this unnamed one are small but still provide critical spawning and escape cover for fish, travel corridors for wildlife, and instream habitat for aquatic insects. This tributary is approximately 1.5 miles long and connects a nearby lake to the PM mainstem.

The Mac road/stream crossing, site #L-13, was comprised of a 30" diameter culvert, undersized and too short (33' long) for the roadway. Through this project, partners designed and completed the installation of a 42" diameter concrete culvert that better accommodates the natural stream channel. Paved approaches and spillways channel road runoff away from the stream as well.

Project Cost:

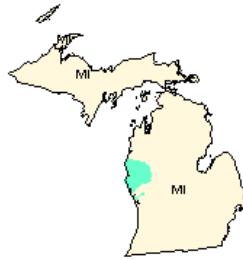
\$91,796 incl. match

Contributors:

- US Forest Service
American Recovery
Reinvestment Act
- Lake County Road
Commission

Location

**Lake Twp. Section 10
Lake County, MI**



Best Management Practices:

- Concrete culvert & end section installation (42" dia., 74' long)
- Fieldstone placement
- Pave & curb approaches (1,000 lineal feet)
- 2 spillways
- Grading and revegetation

Project Benefits:

- Natural movement of woody debris, substrate, fish & aquatic insects.
- Reduce sedimentation of stream from erosion of steep road approaches and embankments.

Partners involved:

Pere Marquette River Restoration Committee including the following partners – US Forest Service, Conservation Resource Alliance, Lake County Road Commission, Wilcox Professional Services, Michigan Department of Natural Resources and Environment, McDowell Construction & Pere Marquette Watershed Council.

Mac Road and Pere Marquette Tributary Site #L-13 Photos

Inlet – before



Inlet - after



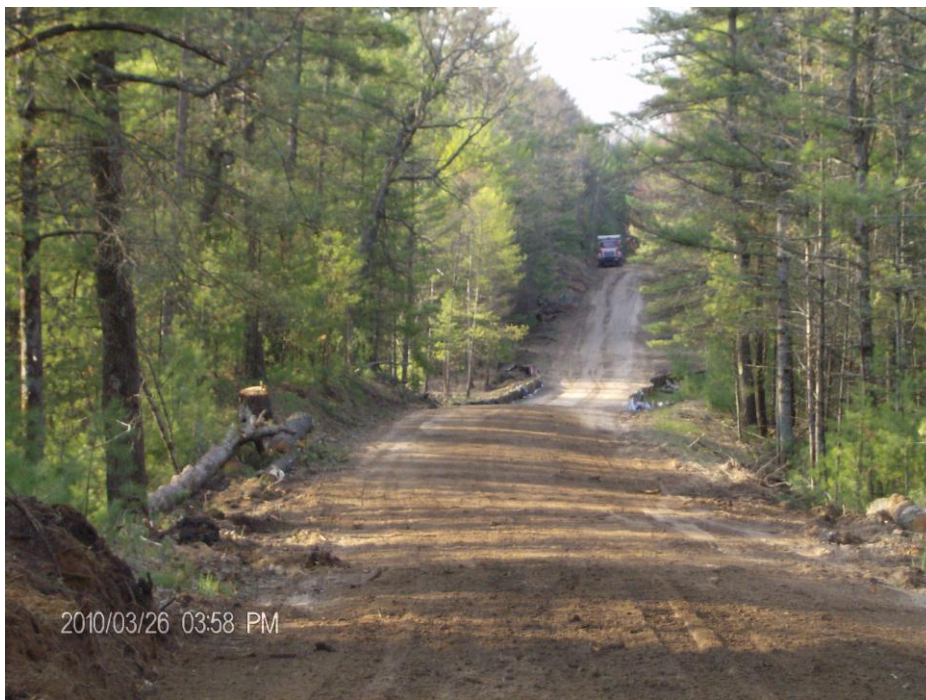
Outlet looking downstream – before



Inlet looking upstream - after



Before pavement



Pavement after



Diversion outlet

