



Michigan's
Nonpoint Source
Program

Federal Clean Water Act
Section 319 Grant
2009-0043



Calhoun Conservation District

Telephone: (269) 781-4867

Fax: 269-781-3199

Email: www.calhouncd.org

Kalamazoo River-Ceresco Reach Watershed Planning Project

October 1, 2009 to October 30, 2012

The Kalamazoo River-Ceresco Reach watershed encompasses a watershed area of 13,813 acres or approximately 22 square miles in Calhoun County. There are four tributaries in this reach: Crooked Creek, Unnamed Tributary, Pigeon Creek, and the Easterly and Dibble Drain. These tributaries drain land from four townships--Fredonia, Marshall, Emmett and Newton—and are part of the Kalamazoo River watershed. This project identified and prioritized nonpoint source pollutants, assessed land use planning, and made recommendations based on site specific scenarios to enhance water quality. The project resulted in an approved watershed management plan for the Cresco Reach Watershed.

Grant Amount: \$182,744.60

Match Funds: \$ 43,845.31

Total Amount: \$ 226,589.91

Best Management Practices: (Proposed)

- Filter Strips
- Two-stage ditching
- Residue/Nutrient Management
- Cover Cropping
- Water Management
- Grassed Waterways
- 2 Livestock Use Exclusion areas (NRCS)
- 1 Culvert Replacement (WRC)
- 2 Chem. Containment Facilities (NRCS)

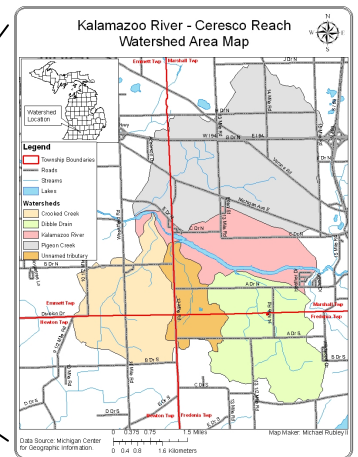


Annual Load Reductions: (Proposed)

- Nitrogen 24662 lbs
- Phosphorous 8354 lbs
- Sediment 11884 tons

I&E Activities:

- Landowners Guide (Interactive website summarizing federal and state programs)
- Super Soils Saturday
- Promotional Items
- Targeted Informational Riparian Landowner Letters



Partners involved:

- Michigan Department of Environmental Quality (MDEQ)
- USDA-NRCS
- Water Resource Commissioner
- Calhoun County Road Commission
- Townships
- Michigan Department of Natural Resources (MDNR)
- Southwest Michigan Planning Commission (SWMPC)
- Kalamazoo River Watershed Council (KRWC)



Watershed Management Plan
Department of Environmental Quality Project # 2009-0043

Prepared for:
Department of Environmental Quality
Prepared by:
Calhoun Conservation District
13464 Preston Drive
Marshall, MI 49068
(269) 781-4867
calhouncd@gmail.com