



**Section 319 Grant  
Nonpoint Source**  
2005-0135



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## Eaton Rapids Restoration

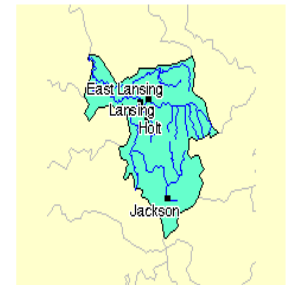
March 20, 2006 to November 13, 2008

Downtown Eaton Rapids is encircled by water at the juncture of the Grand River and Spring Brook, and part of the Upper Grand River Watershed. The watershed is approximately 53% agricultural, 9% rangeland, 12% urban residential and 2% urban commercial/industrial. The Watershed Management Plan includes the following water quality concerns relevant to this grant project: a) stream bank erosion and sedimentation; b) loss of wetlands due to filling and development, both historically and currently; c) loss of open space; and d) increasing urban runoff in the Grand River. The river bank stabilization and porous parking lots implemented as part of this project reduced the quantity and increased the quality of storm water runoff from the project area to the Grand River. An additional goal achieved was to demonstrate the benefits of native landscaping and rain gardens to the community.

**Grant Amount: \$ 110,348.48**  
**Match Funds: \$ 79,129.32**

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**Total Amount: \$ 189,477.80**



### Best Management Practices:

- Rain Gardens
- River Bank Stabilization
- New Parking Lot Porous Concrete
- Parking Lot Expansion with porous asphalt



### Annual Load Reductions:

- 68.2 tons sediment per year
- 78.0 lbs. phosphorus per year
- 156.0 lbs. nitrogen per year

### Partners involved:

- Eaton Rapids Area Art Council
- Eaton Rapids Home & Garden Club
- Irish Construction Company
- Downtown Development Authority
- Eaton Rapids Public Schools (ERPS)
- City of Grand Rapids
- Mike & Son Asphalt, Inc.
- Barnhart & Son, Inc.



### I&E Activities:

- ERPS Student Banner Design
- Educational Banner Painting & Display
- Give the Grand a Hand class

April 29, 2009



**Parking Lot #6: Grand River bank erosion.**



**Parking Lot #6: Porous concrete parking lot with rain gardens and river bank stabilization.**



**Parking Lot #7: New Rain Garden.**



**Parking Lot #7: River Bank Stabilization.**