



**Federal Clean Water Act  
Section 319 Grant**  
Tracking code 2000-0168



**University of Michigan-Flint**  
Telephone: (810) 767-6491  
Fax: (810) 767-7183  
Email: bnickola@umflint.edu

## Swartz Creek Watershed Planning Project

Concerns about the water quality and the impacts of current and historic land use practices in the Swartz Creek Watershed led stakeholders in the watershed to initiate the development of a watershed management plan. The plan was created through a collaborative effort between local units of government, the Flint River Watershed Coalition, the University of Michigan-Flint's Center for Applied Environmental Research, concerned citizens, and several other partners. The plan includes information gleaned from reviews of previous research, a public involvement process, and field investigations. The plan is intended to address the current and potential future water quality conditions in the watershed, as well as provide recommendations on how negative impacts to water quality can be reduced.

**Grant Amount: \$ 142,434**  
**Match Funds: \$ 41,112**

---

**Total Amount: \$ 183,546**

### Best Management Practices (identified in the watershed management plan):

- Identified 45 Gully Erosion Sites
- Identified 30 Eroding Outfalls
- Identified 10,000 meters of eroding stream banks
- Identified 10 culverts in need of Replacement
- Identified locations for Stormwater Retrofits

### Annual Load Reductions (if implemented through the watershed management plan):

- 183 Tons of sediment/Year
- 166 lb of Phosphorus/Year
- 333 lb of Nitrogen/Year



### I&E Activities:

- Conducted River Cleanups
- Held Three Public Meetings
- Produced Two Award-Winning Videos
- Spoke to Numerous Civic Clubs
- Participated in Local Government Trainings
- Developed Long-Term Education Plan



Figure 1

**Swartz Creek is a subwatershed of the Flint River**

### Partners involved:

- Flint River Watershed Coalition
- Michigan State University Extension
- UM-Flint Earth and Resource Science Department
- Genesee County Drain Commissioner
- Genesee County Conservation District
- WFUM TV-28

