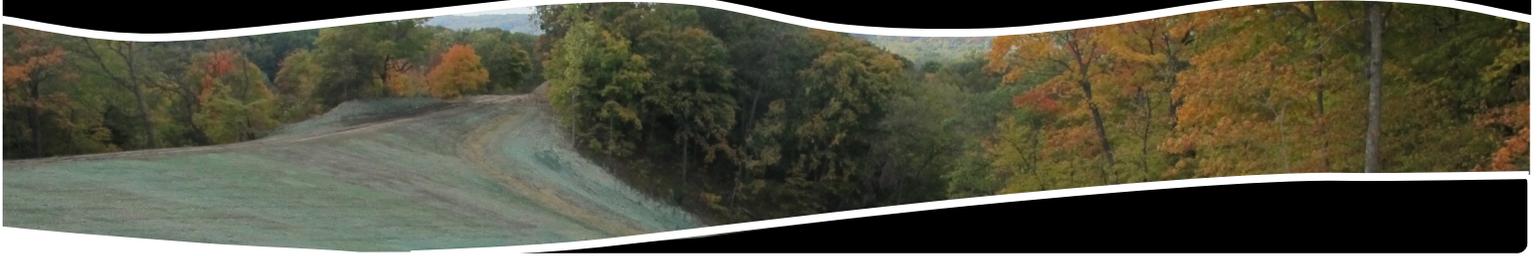


WATER QUALITY PROJECT FACT SHEET

BLAKELEY TRAIL RAVINE STABILIZATION



Why did SWMO choose this Project?

The Blakeley Trail Ravine Stabilization project was chosen because soil erosion threatened local county roads and the Minnesota River's water quality. The cost to remove excess sediment and maintain roads over time was significant. The primary goal of this project was to reduce maintenance costs while improving Minnesota River's water quality.

Several structures were installed to slow down water, which reduces soil erosion: a five-foot deep retention basin around an acre in size will hold water from large rain events. Riprap lined channels will lock in soil. Six check dams will slow water flowing down the ravine channels.

During project construction two large storms totaling 14" of rain fell over a ten day period. This amount of rainfall caused major damage to the project and the surrounding area. Because of the damage, a retaining wall was not constructed to protect County Road 60. However, all other project goals were met regardless of the damage from both storm events.



The project was a collective effort with the Board of Water and Soil Resources, Scott Watershed Management Organization and Scott County Highway Department. Funding was also provided to the project from the Clean Water Land and Legacy Act.

QUICK FACTS

Major River Basin: Minnesota River

Water Bodies Affected: Minnesota River

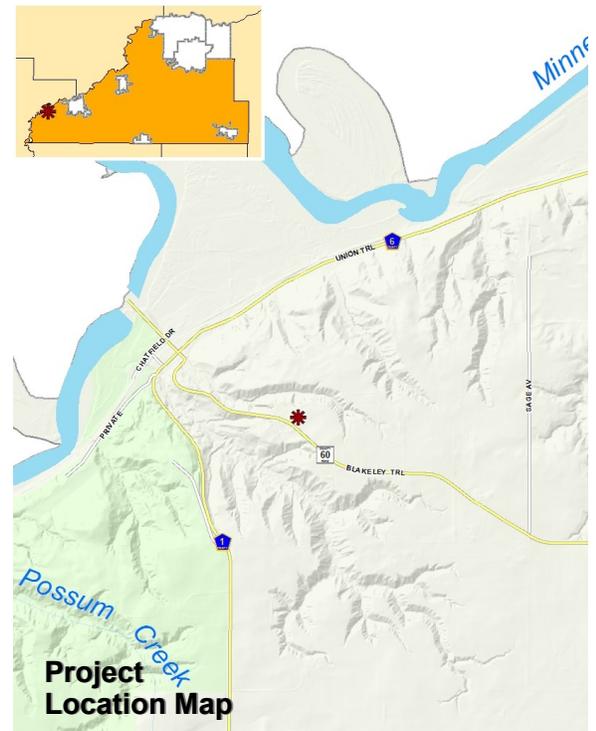
Project Goals:

1. Protect County Road 60
2. Reduce erosion to the Minnesota River
3. Improve water quality

Timeline: Spring 2014 - Fall 2014

Costs: \$870,000

Project Designs and Management by: Scott County WMO, Scott County Hwy Department and Barr Engineering



WATER QUALITY PROJECT FACT SHEET

BLAKELEY TRAIL RAVINE STABILIZATION



Photos

Above: Retention pond at upstream ravine head.

Left: Construction limits showing aerial photography in 2013 and 2015.



After Construction

During Construction

MAJOR OUTCOMES

- A foundation for rebuilding County Road 60
- Improved downstream water quality and wildlife habitat
- Reduction of future maintenance costs on County Roads
- Protection of downstream private land and public infrastructure

⇒ Visit our website for more information on previously constructed or upcoming projects
<http://www.scottcountymn.gov>



SCOTT WATERSHED MANAGEMENT ORGANIZATION (SWMO)

200 Fourth Avenue West Shakopee, MN 55379 * 952-496-8475 * <http://www.co.scott.mn.us/wmo>