PROJECT PROFILE

HANLEY PROPERTY

River Bank Stabilization

Pre-Stabilization Conditions

The Hanley property lies along Glen Creek where it flows into the Mississippi River. The site consists of a steep slope from the top of the property to the Creek 30 feet below. Active erosion and bank undercutting has led to severe bank failure that will threaten the Hanley residence in the future. For this project, a cedar tree revetment was chosen to slow erosion and buy time a larger scale project to take shape. Benefits of cedar revetments include:

- Improved fish and wildlife habitat
- Repair bank undercutting and erosion
- Providing a cost-effective solution to erosion and undercutting

PROJECT SPECS

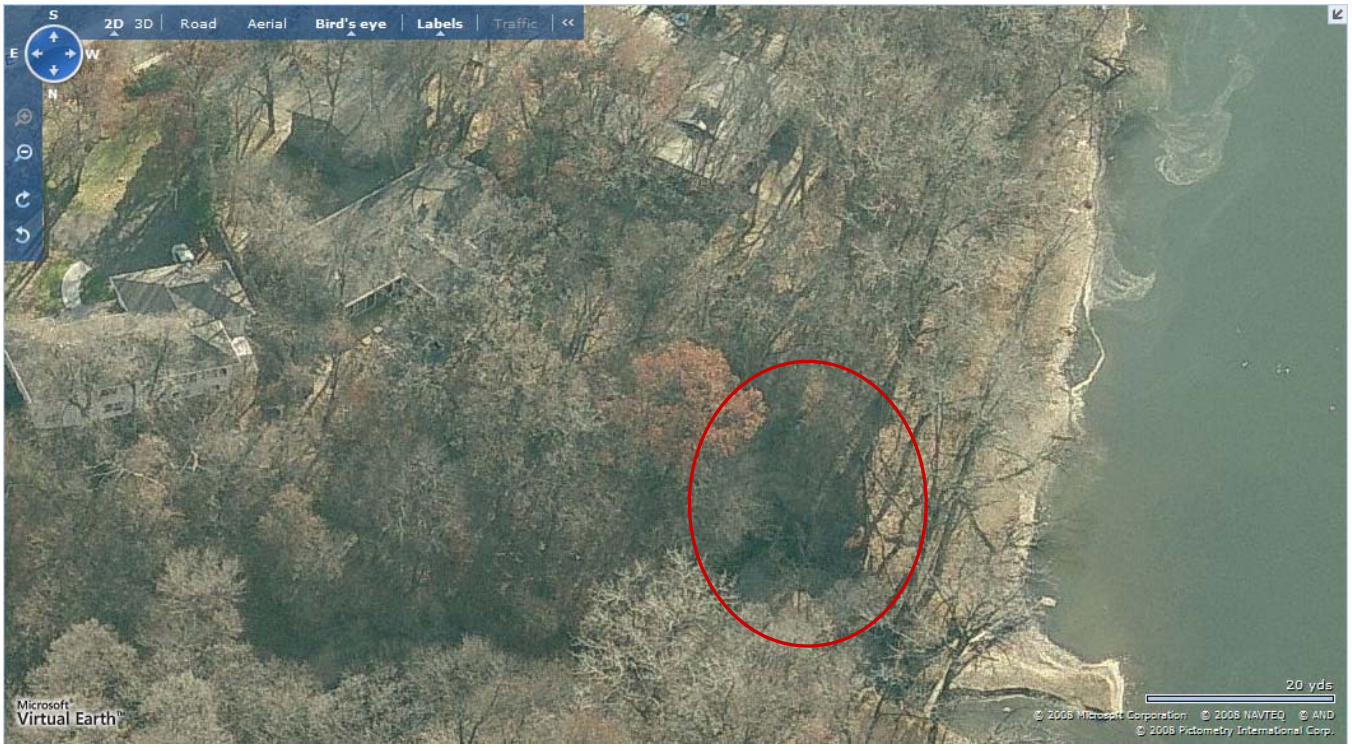
Installed ..... November 2008

Project Length .....90 ft

Labor Utilized.....Minnesota Conservation Corps

Cost-share Funding Provided ..... ~62% of total project costs

ANOKA CONSERVATION DISTRICT



Before Installation

June 2008

The Hanley site had recently experienced a severe slope failure. Years of erosion and bank undercutting led to the failure and would soon threaten the Hanley and neighboring residences if not addressed. A cedar revetment option was chosen for the site to stabilize the toe of the slope and lessen erosion from the hillside. The revetment should buy time until a more permanent solution can take shape. A large scale stabilization for Glen Creek is in the planning stages.

Installation

October 2008

Bundles of logs cut on site were anchored at the toe of the slope. Three to four courses of cedar tress were then layered and anchored starting immediately above the log bundles and moving up the bank. The revetment will reduce toe and bank erosion as well as collect sediment falling from higher up on the bank. The sediment collected will help rebuild the bank.