



# Glenwood Dairyland Basin Stormwater Mitigation Project



## Clean Water Funds: 2010

Clean Water Grant	\$209,179
Leveraged Funds*	\$55,298
Total Project Budget	\$264,477

\* Leveraged Funds include required 25% local match

### Targeted Water:

Lake Minnewaska

### Project Sponsor:

Pope Soil and Water Conservation District

### Partners:

Pope Soil and Water Conservation district, City of Glenwood, Tastefully Simple/WesMin RC&D

### Grant Period:

January 2010 - December 2011

### Project Contact:

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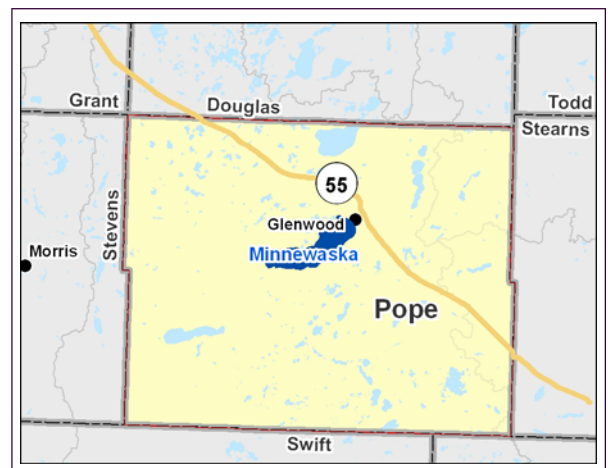
## Project Narrative

Clean water funds are being utilized to address eroding ravines and untreated runoff entering Lake Minnewaska.

The ravines originate from a 24" culvert that runs under Highway 55. The worst of the erosion in this area has been in the last ten years and the ravines now measure up to 20' deep and 30' wide and have uprooted trees, rocks and other debris. Installation of riparian cover and check dams in the two ravines will decrease further erosion and reduce suspended sediment during high flow events entering Lake Minnewaska.

Several projects are designed to eliminate the direct discharge of untreated runoff flowing from impervious (hard) surfaces to the lake. All promote the water being absorbed into the ground before reaching the water table that corresponds to the lake level.

A 50'X 490' parking lot at City Beach on the shoreline of Lake Minnewaska will be removed to decrease the direct flow of stormwater entering Lake Minnewaska. The new parking lot will be installed so that stormwater flows into a holding area located between County Road 104 and the parking lot. To further treat stormwater, three rain gardens with plants native to Pope County will be installed in the vegetated area where the parking lot was located. This project will keep an estimated 400,000 gallons of stormwater filled with debris and various pollutants from directly entering Lake Minnewaska each year.



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View of the Glenwood washout from below



Example of how water is undercutting the vegetation



A view down the washout