



# City of Grand Marais Stormwater Management Implementation



## Clean Water Funds: 2012

Clean Water Grant	\$34,978
Leveraged Funds*	\$19,035
Total Project Budget	\$54,013

\* Leveraged Funds include

### Targeted Water:

Lake Superior

### Project Sponsor:

Cook County Soil and Water Conservation District

### Grant Period:

January 2012—December 2014

### Project Contact:

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C12-86 - Clean Water Assistance

## Project Narrative

Improving stormwater management in Grand Marais is a priority for the community. The Cook County Comprehensive Water Plan identifies water quality and quantity concerns related to residential development include increased runoff from roads, parking areas, roofs, etc. into Lake Superior.

This project is a partnership with Grand Marais to reduce the stormwater footprint on Lake Superior by constructing two rain gardens. Previous funding from a Minnesota Lake Superior Coastal Program grant enabled a landscape architect to complete the shovel-ready designs and construction specifications. Local SWCD engineering staff assisted with the stormwater calculations and the site surveys. This project will provide stormwater treatment to approximately 12.3 acres in the city of Grand Marais that currently drains directly to Lake Superior.



Implementing rain gardens as stormwater practices will work towards protecting the water quality of Lake Superior. The professional rain garden designs will be showcased as stormwater treatment practices and demonstration sites to inform citizens and encourage them to do projects like this on their own property.

### Proposed Outcomes:

Construction of 2 Raingardens - Lake Superior

Proposed Reductions: 0.6 Nitrogen lbs/year, 0.6 Phosphorus lbs/year and 150 Sediment lbs/year

### Actual Outcomes:

Project in Progress

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Rain garden location for 1st Street and 2nd Ave West, looking



Rain garden location for 4th Street and 2nd Ave East, looking north