



# Catch, Clean & Circulate: Stormwater Management for Gull and Trout Lakeshed



## Clean Water Funds: 2011

Clean Water Grant	\$136,300
Leveraged Funds*	\$54,000
Total Project Budget	\$190,300

\* Leveraged Funds include required 25% local match

### Targeted Water:

Gull and Big Trout Lakeshed

### Project Sponsor:

Crow Wing Soil and Water Conservation District

### Partners:

City of Lakeshore, Nisswa, Crosslake, Fifty Lakes, Manhattan Beach, Timothy Township, Whitefish Area Property Owners Association, Gull Lake Association, Lykins Pineshurst Resort, Crow Wing County, Cass County SWCD, Minnesota Waters, Excel Energy, The Nature Conservancy, CLC Landscape Design Class, and MN DNR.

### Grant Period:

January 2011 - December 2012

### Project Contact:

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## Project Narrative

Crow Wing SWCD is building off its success with “Project Recharge” and expanded the program to target Gull and Big Trout lakes. The SWCD selected these two lakes because of their declining transparency readings, 25 interested landowners, 2 adjacent resorts, and the community support, past partnerships, valuable fisheries, high ratio of forested land, and low ratio of impervious area in the lakeshed.

The SWCD worked with partners to find willing landowners and businesses to complete the following types of projects:

- Swap Rock for Native Stock: Implement bioengineering to stabilize shorelines. All projects are approximately 750 square feet.
- Buff up Your Shoreline: Restore native vegetative buffers to shoreline. All projects are approximately 750 square feet.
- Rain, Rain, Soak Away: Install residential raingardens sized to infiltrate a 1” rain event.

The SWCD hosted a hands-on demonstration shoreline buffer workshop with over 30 people attending. Additional, the SWCD partnered with City of Lakeshore, and MN DNR, to restore over 2000 linear feet of Stoney Brook a Gull Lake tributary trout stream. The project is located at the heart of the Fritz Loven Park. The SWCD will install interpretative signage in summer 2012. This project enhanced the trout habitat and provided an important connection to previously installed DNR Fishers’ luncker structures.

## Actual Outcomes

Collectively these projects will remove an estimated 500 pounds/year of sediment, 7 pounds of phosphorus, and 100,000 gallons of annual runoff from Big Trout and Gull Lakes.





Fritz Loven on Stoney Brook

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Shoreline Buffer Gull Lake



Raingarden-Gull Lake (East Gull Lake City)