

# LONG LAKE REHABILITATION AND STORMWATER TREATMENT— PART 1

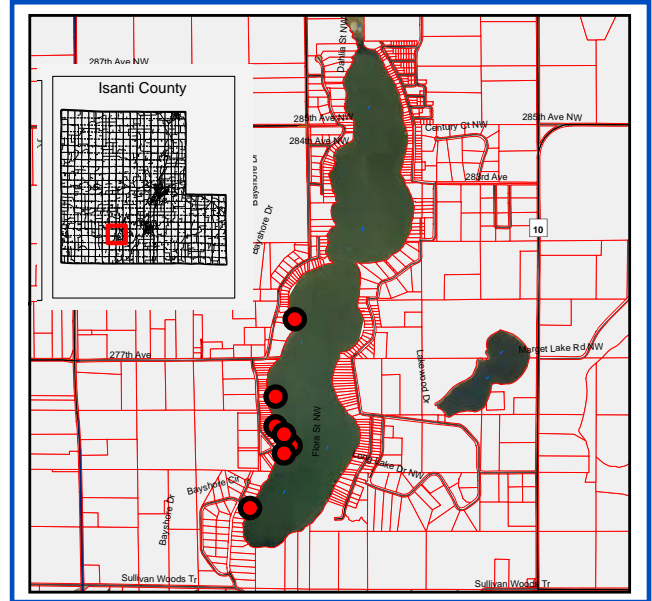


## Project Summary

**This project installed seven lakeshore restorations/stormwater treatment practices to improve the health of Long Lake.** This grant expanded upon a seven year-old program led by the Long Lake Improvement District (LLID) that promoted and funded near-shore water quality projects. Prior to partnering with the SWCD, demand for such projects exceeded locally available funding.

The SWCD used grant funds to provide a sub-grant to the Long Lake Improvement Association (LLIA) for project installations. The LLID contributed to the project by providing cash match and managing project installations. Project participants and volunteers contributed an in-kind time match.

Each project completed includes an erosion correction component, using bioengineering techniques and native vegetation.



### Project Specs

Shoreline Length Restored..... 890 ft  
 Stormwater Treatment.....7,004 sq ft  
 Sediment reduction .....3,034 lbs/yr  
 Phosphorus Reduction..... 2.7 lbs/yr

### Project Cost

Administration and Installation Oversight..... \$1,764  
 Design Assistance ..... \$3,150  
 Installation ..... \$29,746  
 Total Project Cost ..... \$34,660

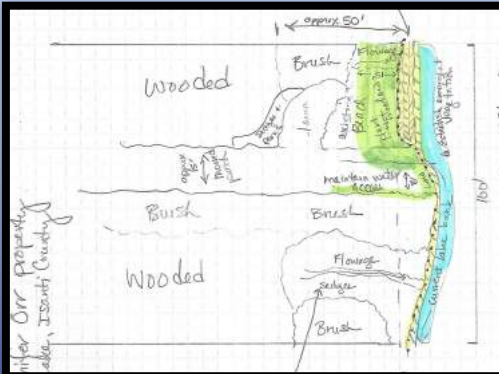
### Project Funding

MN Clean Water Fund .....\$25,000  
 Long Lake LID.....\$4,818  
 Landowner..... \$4,842  
 Total Project Funding .....\$34,660

## Project Summary



The LLID and LLIA ranked and prioritized each project location based on erosion and runoff risk.



Lakeshore restorations and stormwater runoff control projects were designed by Hayland Woods.



Volunteers helped install the projects— way to go!

## For More Information

Isanti Soil and Water Conservation District 763-689-3271 [www.IsantiSWCD.org](http://www.IsantiSWCD.org)  
 Tiffany Determan, District Manager [tiffany.determan@mn.nacdnet.net](mailto:tiffany.determan@mn.nacdnet.net)



**If native plants were present on site, like these sedges, they were saved and incorporated into projects.**



**Willow wattles were used to protect the shore from erosion and to protect new plantings from wave action.**



**Small "ice heaves" were left in place to help control rain water runoff.**



**An aquatic friendly herbicide was used to eliminate turf grass prior to planting.**



**The community worked together to help restore the lake.**



**Native grass and wildflower plugs were planted at each location.**