



Chisago Chain of Lakes Retrofit



Clean Water Funds: 2011

Clean Water Grant	\$230,526
Leveraged Funds*	\$60,000
Total Project Budget	\$290,526

* Leveraged Funds include required 25% local match

Targeted Water:
County/Watershed Wide

Project Sponsor:
Chisago SWCD

Partners:
Chisago SWCD, Chisago Lakes Lake Improvement District, City of Lindstrom, City of Center City, City of Chisago City

Grant Period:
January 2011 - December 2012

Project Contact:
Craig Mell, District Administrator
(651) 674-2333
craig.mell@mn.nacdnet.net
www.chisagoswcd.org



Project Narrative

The Chisago Lakes Chain of Lakes Stormwater Retrofit Assessment has assessed 54 small watersheds for the optimal locations for best management practices. A long list of Best Management Practices has been identified, the next step is to design and install the most cost effective projects.

Three assessments will be completed in Chisago County by the end of 2011. A list of the "Top Catchments" is defined at the end of the Assessment. Of the fifty-four catchments delineated in Lindstrom, sixteen are defined in the top catchment list. The best projects will be implemented with this Clean Water Fund grant.

Economic stability of these Cities is dependent on the Chisago Lakes Chain of Lakes. Reducing pollution to the lakes will ensure that the area is a premiere fishing destination for years to come. The cumulative reduction of phosphorus and sediment to South Center, North Center, North Lindstrom and South Lindstrom Lakes will help meet the water quality goals that will be defined in the TMDL study that is currently underway. By installing all the BMPs identified pollutant loading can be reduced by 27.5 pounds of phosphorus and 10 tons of sediment per year. Some lakes that are not impaired are nearing the water quality standards. The installation of BMPs near lakes in high priority areas will help maintain the current water quality levels and possibly begin to move the water quality trends toward meeting standards.

All projects identified will use infiltration and filtration to keep water on the land. The proposed bioretention areas are at the optimal locations located near catch basins and will be sized to treat the most amount of stormwater runoff possible.

