



Upper Watershed Volume Reduction



Clean Water Funds: 2011

Clean Water Grant	\$195,600
Leveraged Funds*	\$208,670
Total Project Budget	\$404,270

* Leveraged Funds include required 25% local match

Targeted Water:
County/Watershed Wide

Project Sponsor:
Prior Lake-Spring Lake Watershed District

Partners:
Scott County SWCD

Grant Period:
January 2011 - December 2014

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Project Narrative

The management of water quality and water levels in the Spring and Prior chain of lakes has been a top priority for the Prior Lake-Spring Lake Watershed District (PLSLWD) and local partners. Fluctuating water levels affect recreational use and shoreline stability. Both lakes have poor water quality conditions and are impaired due to excessive nutrients. In 2004, the PLSLWD conducted a study that identified areas draining to Spring Lake that have potential for stormwater storage and infiltration. A recent project narrowed down which opportunities would provide the most cost effective benefits to the downstream lakes.

The reconstruction of County Road 12 and Sunset Avenue in the city of Prior Lake afforded the District with an opportunity to improve and increase a wetland with marginal resource benefit which included an agricultural drainage ditch. The project will enhance flood control and capture phosphorus and sediment before they reach Spring Lake and other downstream water bodies. It will treat runoff from two highways, city roads as well as an upstream 60 acre agricultural area.

Actual Outcomes

Due to highway reconstruction delays and excessive rainfall in June 2014, this project is nearly complete. The ponds have been constructed & culverts have been installed. Excessive rainfall may have compromised the iron sand filter system designed to capture phosphorus, so testing of the system is being conducted. Repair of the system may be required in 2015. Due to high water, seeding was delayed and more seeding and planting is planned for 2015. In addition, a carp barrier at Sunset Avenue will be designed and installed in 2015 to prevent carp from entering the wetland from Spring Lake.

