



Erickson Group Streambank Stabilization



Clean Water Funds: 2010

Clean Water Grant	\$77,600
Leveraged Funds*	\$19,400
Total Project Budget	\$97,000

* Leveraged Funds include required 25% local match

Targeted Water:
Thief River

Project Sponsor:
Pennington SWCD

Partners:
Pennington SWCD, Red Lake Watershed District, Thief River Golf Club, Paul Erickson, Chris Jorde

Grant Period:
January 2010 - December 2011

Project Contact:
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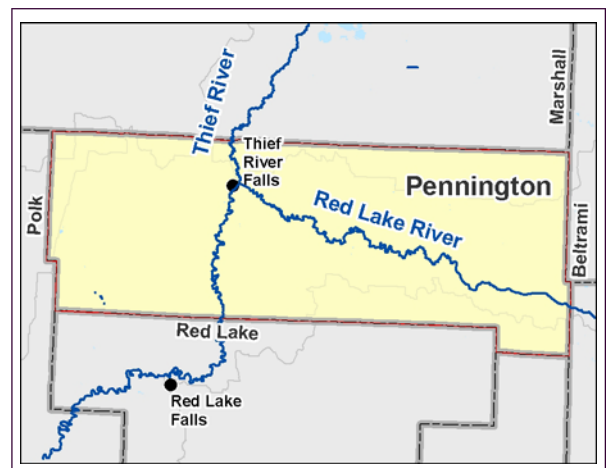


Project Narrative

The Thief River is impaired due to low Dissolved Oxygen and high Turbidity levels resulting from high sediment load. These impairments affect the drinking water supply of Thief River Falls in addition to fish spawning habitat and recreation. The Erosion, Sedimentation and Sediment Yield Report completed in 1996 found that 63% of the sediment originates from the streambank of the Thief River. The Pennington Soil and Water Conservation District is therefore targeting the major sediment sources along the river.

The Pennington SWCD and the Red Lake Watershed District have a long history of working together to install conservation practices. This project will stabilize 1700' of river bank and reduce sedimentation from the project area by nearly 100%. The reduction in sediment will also reduce the pace the Thief River Falls Reservoir is filling in and losing capacity. In the past, it was estimated the reservoir would require dredging every 50 years. The last dredging was needed only 35 years later and it appears the reservoir is speeding towards the next dredging at an even faster pace. Treatment of this water for drinking is a major expense to the City. Reducing pollutants will be a benefit to those costs and the residents of Thief River Falls.

The site was surveyed the summer of 2010. The Red River Valley Conservation Service Area is currently working on the project design and construction is scheduled to begin the summer of 2011.



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Erosion along Thief River



Trees being undercut along Thief River



Bend in Thief River being eroded by the current