



Project Recharge! Restoring Natural Hydrology to Crow Wing County Urban Communities



Clean Water Funds: 2010

Clean Water Grant	\$180,000
Leveraged Funds*	\$45,000
Total Project Budget	\$225,000

* Leveraged Funds include required 25% local match

Targeted Water:

East and West Fox, Rush, Crosslake, Serpent, and Pelican Lakes

Project Sponsor:

Crow Wing Soil and Water Conservation District

Partners:

Cities of Crosby Crosslake Breezy Point Fifty Lakes, Thirty Lakes Watershed District, Whitefish Area and Fifty Lakes Property Owners, Pelican and Serpent Lake Associations and others

Grant Period:

January 2010 - December 2011

Project Contact:

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Project Narrative

The SWCD initiated Project Recharge to create and apply a protection strategy to address declining water quality trend reported in a 2008 large lakes analysis. The report contained watershed and trend analysis for lakes over 1,000 acres in size and led to targeting of lands located within lakesheds containing the highest ratio of impervious to pervious surfaces. These included the Cities of Breezy Point, Crosslake, and Fifty Lakes. The SWCD prioritized work for Serpent and Rush lakes due to their declining transparency trend analysis.

The SWCD worked with partners to find and approach landowners and businesses to complete the following types of projects that all used native plant species:

- Swap Rock for Native Stock: Implement bioengineering to stabilize shoreline. 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.
- 4 Demonstration Sites: Created bio-retention basins and infiltration swales.

The SWCD has partnered with the City of Fifty Lakes, Crosslake Parks and Recreation, 7 different landowners, the Bait Box, Peaceful Harbor, a 24-member Association, Immanuel Lutheran Church, and Breezy Point Resort to intercept, infiltrate, and treat stormwater runoff. Collectively, over two tons of sediment, 16 pounds of phosphorus, and six million gallons of annual runoff is prevented from entering Pelican, Serpent, Crosslake, Rush, East and West Fox Lakes. The SWCD used media resources to create more awareness about the Clean Water Legacy Funds and the importance of stormwater management. Public TV interviewed the SWCD five times, and had three radio interviews. In addition, over 20 press releases were printed in local newspapers.



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Buff up Your Shoreline Project Crosslake, MN



Breezy Point Demonstration Project, Breezy Point Resort



Swap Rock for Native Stock, West Fox Lake