

Shoreland Protection and Raingarden Installation Project

2010 Big Birch Lake



Practice :

Shoreland Protection
Raingarden Installation

Target Waters :

Big Birch Lake

Year Constructed :

2010

Components :

- Native Grass Planting
- Wildflower Planting
- Tree and Shrub Planting
- Vine Planting
- Shoreline maintenance
- Straw and Mulch Cover
- Erosion Blankets

Benefits :

- Sediment Reduction
- Protect Property
- Water Quality Improvement

Partners :

- Big Birch Lake Assn.
- BWSR

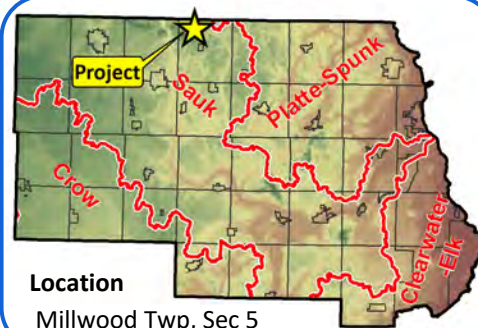
Watershed :

Sauk River Watershed

Project Description: This property on Big Birch Lake consists of two separate conservation practices installed. One was a raingarden featuring many species of native grasses and wildflowers. The stormwater from the house, driveway and other associated hard surfaces is routed to the raingarden. Previously, this stormwater was directed into the lawn grass and was able to run without treatment directly into the lake. The other practice installed was a shoreland restoration featuring native grasses, wildflowers, trees, shrubs and vines. An area of erosion along the lake was also corrected with the installation of a coconut fiber coir log along with the native vegetation.

Pollution Reduction Estimates:

Phosphorus	3.12 Lbs/Yr
Sediment	3.62 Tons/Yr



Location

Millwood Twp, Sec 5

Stearns County Soil and Water Conservation District
110 2nd Street South, Waite Park, MN 56387

Ph: 320-251-7800 x3
www.stearnscountyswcd.net

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"The landowners recognized the importance of treating the stormwater runoff on the property and also the many benefits of having a more natural shoreline." – Greg Berg SWCD Lakeshed Specialist



Before Construction of Shoreline



Before Construction of a Raingarden



After Construction of Shoreline



Completed Raingarden



Shoreline Restoration

Funding:

State Funds \$ 8,174

Landowner Investment \$ 2,724