

Shoreline Stabilization Project

2016 Big Fish Lake



Practice:

Shoreline Stabilization

Target Waters:

Big Fish Lake

Year Constructed:

2016

Components:

- Retaining Wall Removal
- Native Vegetation
- Erosion Control Blanket
- Maintenance contract

Benefits:

- Erosion Control
- Reduced Water Runoff
- Sediment & Nutrient Reduction
- Fish & Wildlife Habitat

Partners:

- Landowner
- Stearns County SWCD
- MN DNR

Watershed:

Sauk River

Project Description: The project involved the removal of a failing retaining wall, grading and restoring the slope with native vegetation. This made a nice connection with the existing aquatic vegetation in this area of the lake. The landowner expanded the native planting and created an infiltration basin on their own to deal with runoff that was draining to the lake from the road, driveway and home on the property.

Pollution Reduction Estimates:

Phosphorus	.3	Lbs/Yr
Sediment	.3	Tons/Yr



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“The connection of this project to the existing aquatic vegetation in the lake is an outstanding value for the resource. It was also great to see the landowner do some stormwater management and native vegetation establishment on their own outside of the SWCD funded project area”– Greg Berg, Stearns County SWCD Lakeshed Specialist



Before Shoreline Restoration & Wall Removal



Before Shoreline Restoration



Before Shoreline Restoration & Wall Removal



After Shoreline Restoration



After Shoreline Restoration

Funding :

State Funds*	\$ 11,400
Landowner Investment	\$ 2,600

* Administered by Stearns SWCD
MN DNR AHR