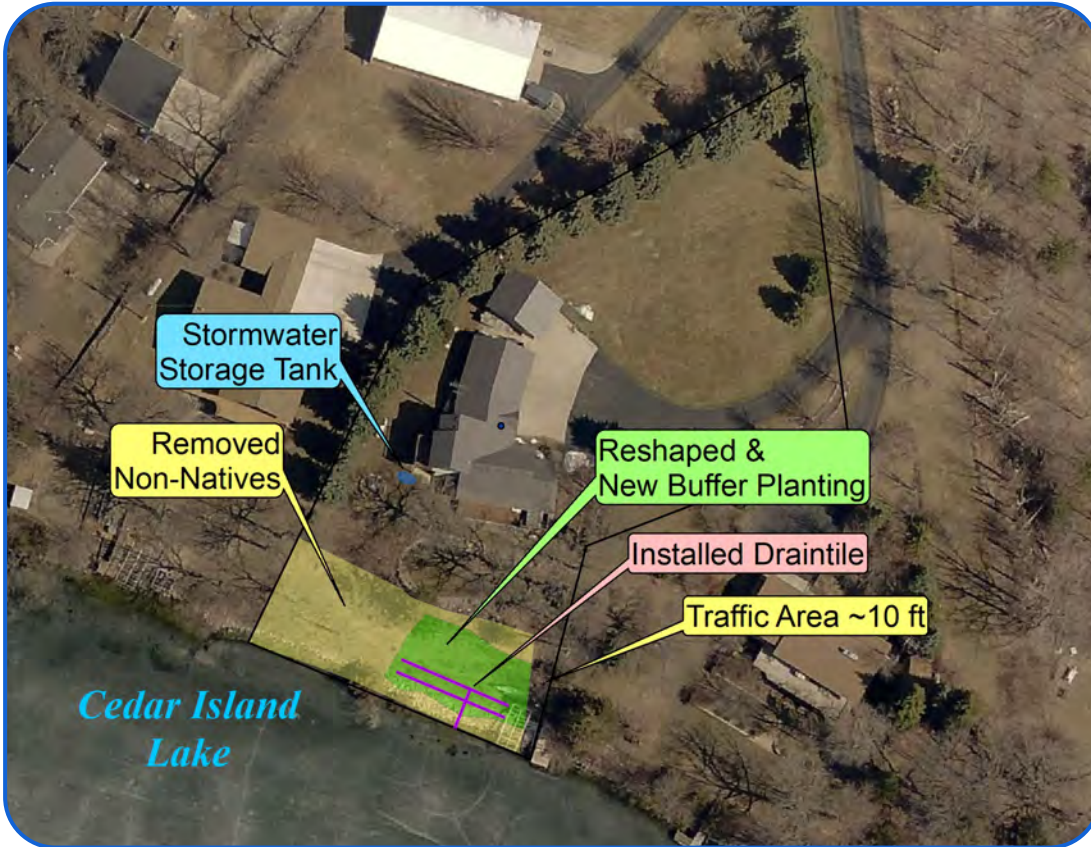


Shoreline Stabilization Project

2015 Cedar Island Lake



Practice:

Shoreline Stabilization

Target Waters:

Cedar Island Lake

Year Constructed:

2015

Components:

- Tile Trenches
- Stormwater Management
- Native Vegetation

Benefits:

- Slope Stabilization
- Reduced Water Runoff
- Sediment & Nutrient Reduction
- Fish & Wildlife Habitat

Partners:

- Landowner
- Stearns County SWCD
- MN DNR

Watershed:

Sauk River

Project Description: This project incorporated a multitude of practices to stabilize a failing slope near Cedar Island Lake. Tile trenches were installed into the slope to intercept the surface and groundwater for stabilization purposes. A stormwater storage tank was installed to capture the runoff from the building site. This water is now used for irrigation purposes. In addition, the shoreline and adjacent slope were restored by regrading and planting with native vegetation.

Pollution Reduction Estimates:

Phosphorus	545	Lbs/Yr
Sediment	474	Tons/Yr



Shoreline Stabilization Project

2015 Cedar Island Lake



Before Project – Slope Failure



Before Project – Slope Failure



Regraded Slope with Tile Trenches



Regraded Slope Prior to Planting



After Shoreline Stabilization

“This was an emergency after the slope failed and sloughed into the lake. The landowners were great to work with in addressing a major problem and putting in conservation practices to improve water quality as well as fish and wildlife habitat.” – Greg Berg, Stearns County SWCD Lakeshed Specialist

Funding :

State Funds*	\$	22,747
Landowner Investment	\$	6,232

* Administered by Stearns SWCD – MN DNR AHR