

ROBINSON PROPERTY - Shoreline Restoration & Water Quality Buffer



Protecting Your Water Resources

PROJECT SPECS

Date Planted...August 2010

Shoreline Protection ~70 ft

Buffer Length.....~70 ft

Buffer Area.....~630 ft²

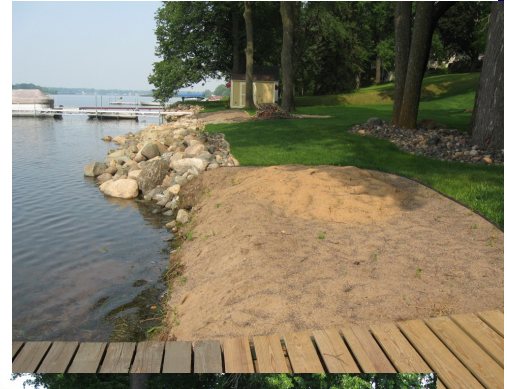
Natives Planted.....~219

Cost Share Funding 50% of project expenses up to \$3,000.00

Pre-Restoration Conditions

The Robinson property lies on the northern shore of Forest Lake (Lake 3). The site was dominated by mown turf grass, manicured sand beach and rip-rap:

- Active shoreline erosion was occurring due to a combination of steep slope and unprotected shoreline/beach area
- Direct conveyance of nutrients and pollution from the property into the lake, increasing algae and unwanted vegetation blooms
- Limited plant diversity
- Limited wildlife habitat



Before

After Restoration

Mown turf grass and existing rip-rap were replaced with enviro-lock shore protection and variety of native plantings along the lakeshore and replacing rip-rap in two smaller areas to stop the active shoreline erosion that was occurring. The project consisted in the establishment of 630 sq. ft. of new buffer and 70 linear feet of shoreline protection.

Approximately 219 native grasses, flowers, and aquatic plants were planted. The native plantings combined with the shoreline protection provide many benefits, including;

- Erosion of soil into the lake is stopped
- Stormwater is slowed and retained increasing infiltration and decreasing input of nutrients and pollutants to Forest Lake
- Plant diversity is dramatically increased and the increase in root structure, along with the enviro-lock shore protection and properly installed rip-rap, protects the shoreline from erosion due to runoff and wave/ice action
- Fish and wildlife habitat is increased



After August, 2010