

IRLBECK PROPERTY — Shoreline Restoration & Water Quality Buffer



Protecting Your Water Resources

PROJECT SPECS

Date Planted...June 2010

Shoreline Protection ~50 ft

Buffer Length.....~50 ft
(total buffer length = 85ft)

Buffer Area.....~500 ft²

Natives Planted.....~882

Cost Share Funding 50% of
project expenses up to
\$2,000.00

Pre-Restoration Conditions

The Irlbeck property lies on the western shore of Forest Lake (Lake 1). The site was dominated by mown turf grass and a earthen berm made up mostly of dirt and construction debris:

- Active shoreline erosion was occurring due to a combination of steep slope and unconsolidated material that made up the earthen berm.
- Direct conveyance of nutrients and pollution from the property into the lake, increasing algae and unwanted vegetation blooms
- Limited plant diversity



After Restoration

Mown turf grass and earthen berm were replaced with a variety of native plantings along the lakeshore and additional rip-rap was properly installed to stop the active shoreline erosion that was occurring. The project consisted in the establishment of 550 sq. ft. of new buffer and the 50 linear feet of shoreline protection.

Approximately 882 native grasses, flowers, and aquatic plants were planted. The native plantings combined with the shoreline provide many benefits, including;

- Erosion of shore 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 properly installed rip-rap, protects the shoreline from erosion due to runoff and wave/ice action
- Fish and wildlife habitat is increased



August, 2010

