

KEMPLIN RESIDENCE—Shoreline Restoration



Protecting Your Water Resources

PROJECT SPECS

Date Constructed ...
Summer 2012

Shoreline Protection ~100 ft

Buffer Length.....~100 ft

Buffer Area.....~2,000 ft²

Natives Planted.....~155

Cost Share Funding 50% of
project expenses

Pre-Restoration Conditions

The Kemplin property lies on the north shore of Forest Lake (lake 1). In addition to an eroding shoreline, the site was dominated by turf grass. As a result, there was:

- Active shoreline erosion due to limited root structure to withstand wave/ice action.
- 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
Fall of 2011**

After Restoration

Shoreline erosion was stabilized with native plantings and bio-logs designed for the site taking into account wave height and potential for ice action. Turf grass was replaced with a variety of native plantings along the lakeshore. Approximately 155 native grasses, flowers, shrubs, and aquatic plants were planted. The buffer and native plantings have many benefits, including;

- Stopping soil from washing into the lake.
- Stormwater is slowed and retained as it flows toward the lake increasing infiltration and decreasing input of nutrients and pollutants to Forest Lake.
- Plant diversity is dramatically increased and the increase in root structure protects the shoreline from erosion due to runoff and wave/ice action.
- Fish and wildlife habitat is increased.



August, 2012