

ROWE/OHMANN RESIDENCE—Shoreline Restoration



PROJECT SPECS

Date Constructed
...Summer 2012

Shoreline Protection ~95 ft

Buffer Length.....~85 ft

Buffer Area.....~1200 ft²

Natives Planted.....~168

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

After—August, 2012



Pre-Restoration Conditions

The Rowe/Ohman property lies on the east shore of Comfort Lake. The site was dominated by mown turf grass and significant shoreline erosion.. 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 2011**

After Restoration

Shoreline erosion was stabilized with rock-rap designed for the site taking into account wave height and ice action. Mown turf grass and invasive plants were replaced with a variety of native plantings along the lakeshore. Approximately 168 native grasses, flowers, and shrubs were planted. The native plantings, hardwood mulch, and riprap provide 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 Comfort 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