

KOSKIE PROPERTY - Shoreline Water Quality Buffer & Rain-Garden



PROJECT SPECS

Date Planted...June-July 2011

Water Quality Buffer Length.....~75 ft

Buffer Area.....~640 sq ft

Natives Planted.....~390

Rain-Garden.....110 sq ft

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

Pre-Restoration Conditions

The Koskie property lies on the northern shore of Forest Lake (Lake 3). The site was dominated by mown turf grass down to a manicured sand beach resulting in:

- Direct conveyance of nutrients and pollution from the property was going directly into the lake untreated, contributing to increased algae and unwanted vegetation blooms in the lake.
- Limited near shore plant diversity
- Limited wildlife habitat



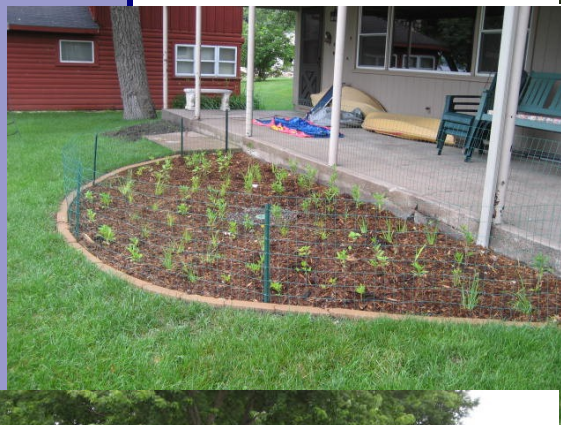
Before

After Restoration

Mown turf grass was replaced with a water quality upland buffer planting using a variety of native plants and mulch along lakeshore designed to intercept and treat stormwater runoff from the yard prior to getting into the lake. The project consisted in the establishment of 640 sq. ft. of new buffer, 75 linear feet of shoreline protection, and a 110 sq. ft. rain-garden to intercept roof water.

Approximately 390 native grasses and flowers were planted. The native plantings and rain-garden provide many benefits, including;

- Stormwater is slowed and retained increasing infiltration and decreasing input of nutrients and pollutants to Forest Lake
- Plant diversity is dramatically increased.
- Upland wildlife habitat is increased.



**After
July 2011**

