

# BONNETT PROPERTY - Shoreline Water Quality Buffer



Protecting Your Water Resources

## PROJECT SPECS

Date Planted...June 2011

Buffer Length.....~50 ft

Buffer Area.....~850 ft<sup>2</sup>

Natives Planted.....~70

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

### Pre-Restoration Conditions

The Bonnett property lies on the south shore of the channel on Forest Lake (Lake 1). The site was dominated by mown turf grass down to the waters edge resulting in:

- Direct conveyance of nutrients going 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 June 2011



### 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 850 sq. ft. of buffer.

- Approximately 70 native grasses and flowers were planted. The native plantings and mulch 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.