

METCALF RESIDENCE



Pre-Buffer Conditions

The Metcalf property lies on the shore of Moore Lake. Prior to the restoration, the shoreline consisted of a concrete wall in disrepair and damaged due to frost heaving. The plant community was dominated by turf grass, a variety of invasive plant species, and limited native plant species. As a result, there was:

- Active shoreline erosion due to limited root structure to withstand wave action and animal activity
- Direct conveyance of nutrients and pollution into Moore Lake, increasing algae and unwanted aquatic vegetation blooms
- Limited plant diversity
- Limited wildlife habitat

PROJECT SPECS

Date PlantedSummer 2008

Buffer Length65 ft

Buffer Area..... ~325 ft²

Natives Planted ~160

Cost Share Authorized..... 50% of project expenses not covered by other cost-share programs up to \$235.50



After Lakeshore Restoration

Mown turf and invasive plants are replaced with a variety of native plantings at the lake edge—approximately 160 native grasses, flowers, and shrubs were planted along the shoreline. The native plantings combined with the hardwood mulch and biologs serve multiple purposes, including;

- Water is slowed and retained as it flows toward the lakeshore increasing infiltration and decreasing input of nutrients and pollutants into Moore Lake
- Plant diversity is dramatically increased and the increase in root structure protects the shoreline from erosion due to runoff and wave action
- Wildlife habitat is dramatically increased

September 2008



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