

# SPIERING RESIDENCE



## Pre-Buffer Conditions

The Spiering property lies on the shore of Crooked Lake. The site was previously maintained with mown turf down to the Lake edge. This practice resulted in:

- Higher risk of shoreline erosion due to limited root structure
- Rapid conveyance of nutrients and pollution into Crooked Lake, increasing algae and aquatic vegetation blooms
- Limited plant diversity
- Limited wildlife habitat

## PROJECT SPECS

Date Planted .....Summer 2007

Buffer Length .....92 ft surrounding beach and boat dock areas

Buffer Area..... ~2,000 ft<sup>2</sup>

Natives Planted ..... ~1000

Cost Share Authorized..... 75% of plant material up to \$847.20



## After Lakeshore Restoration

Mowed turf is now replaced with a variety of native plantings—approximately 1000 native grasses, flowers, and shrubs were planted along the shoreline. The native plantings combined with the hardwood mulch 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 Crooked 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



September 2008

