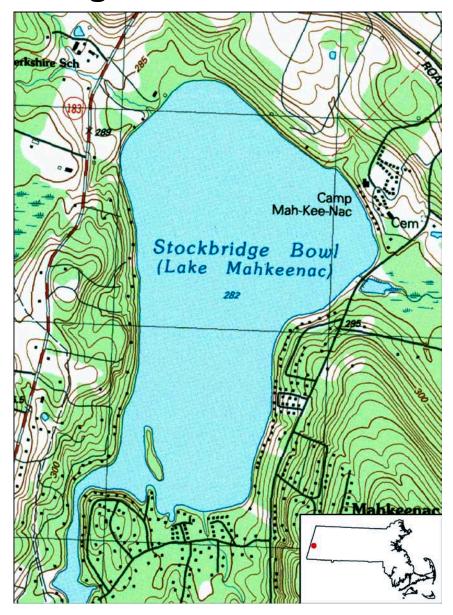
Stockbridge Bowl Watershed Survey



Conducted by the BRPC, SBA and Town of Stockbridge June 2012

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Appendix C

LANDSCAPING IDEAS FOR STOCKBRIDGE BOWL

Landscape Challenges

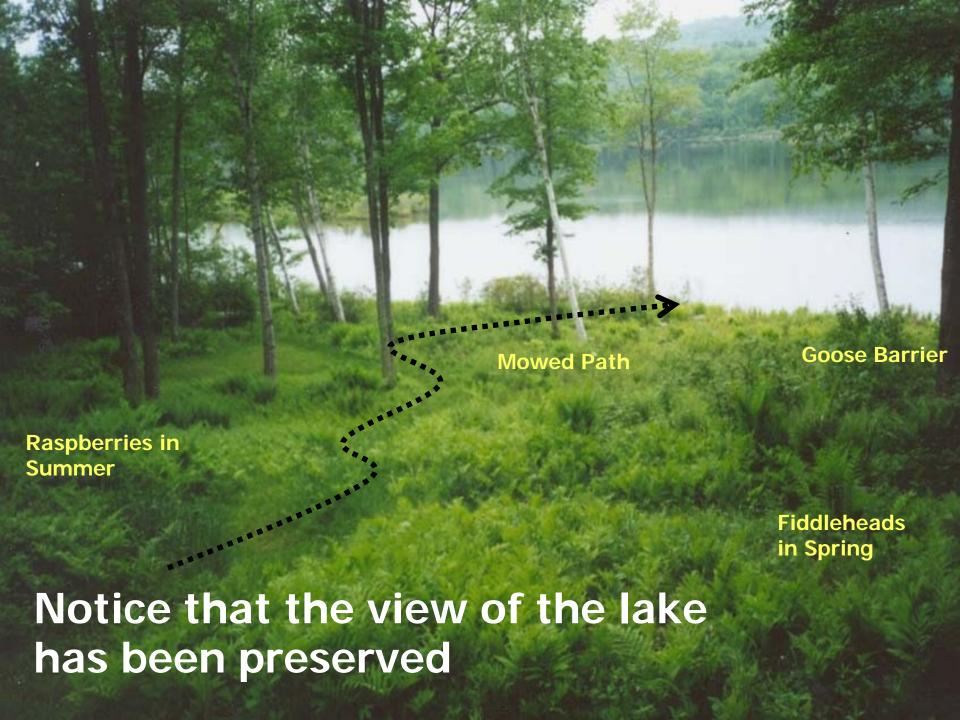
Typical residential development removes the native forest vegetation and replaces it with impervious surface areas (buildings, driveways, patios, etc.) and lawn. As a result surface runoff increases, bringing with it an increase in sediment, nutrient and bacterial loads.

The photographs here are examples of the types of properties where "lakescaping" techniques should be encouraged to capture and filter runoff and provide improved wildlife habitat.

Shoreline vegetation is important

- Plants physically filter and traps sediment by slowing down the velocity of stormwater runoff abating increased stormwater runoff (the enemy)
- This allows better infiltration of water into the soil. Pollutants such as nutrients and bacteria are filtered through soils and captured by soil organisms and plant root systems.
- Groundwater recharge. Rain warmed by impervious surfaces and lawns are cooled in the soils before flowing into the lake as subsurface flow.
- Plant root systems stabilize eroding banks.
- Plants contribute to the aquatic food chain leaves, twigs, insects
- A mix of trees, shrubs and ground cover provide wildlife habitat, shade and travel corridors



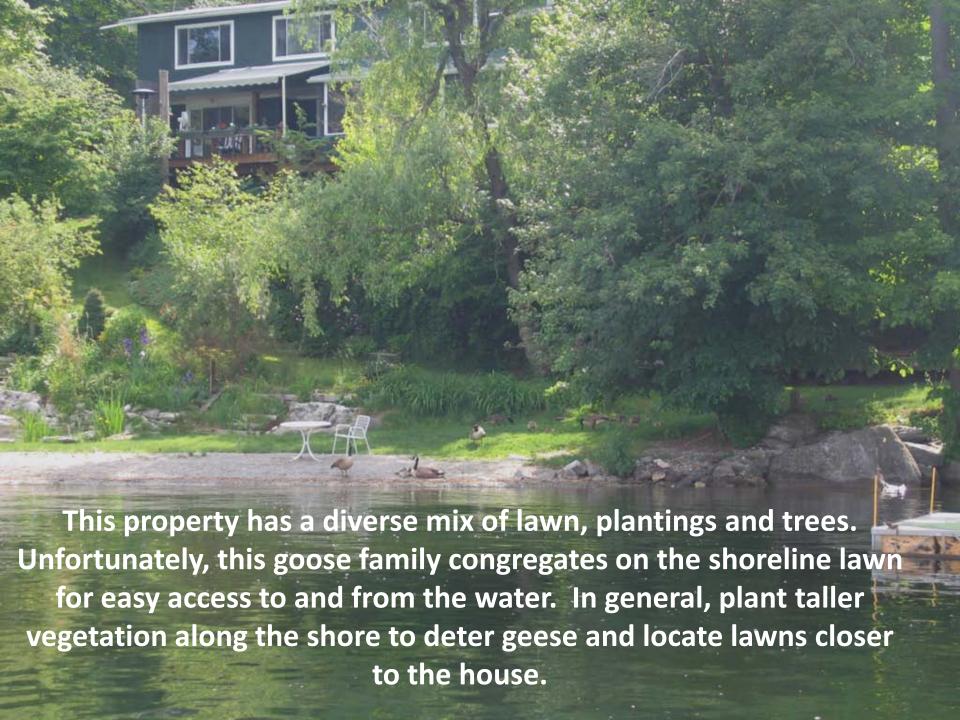


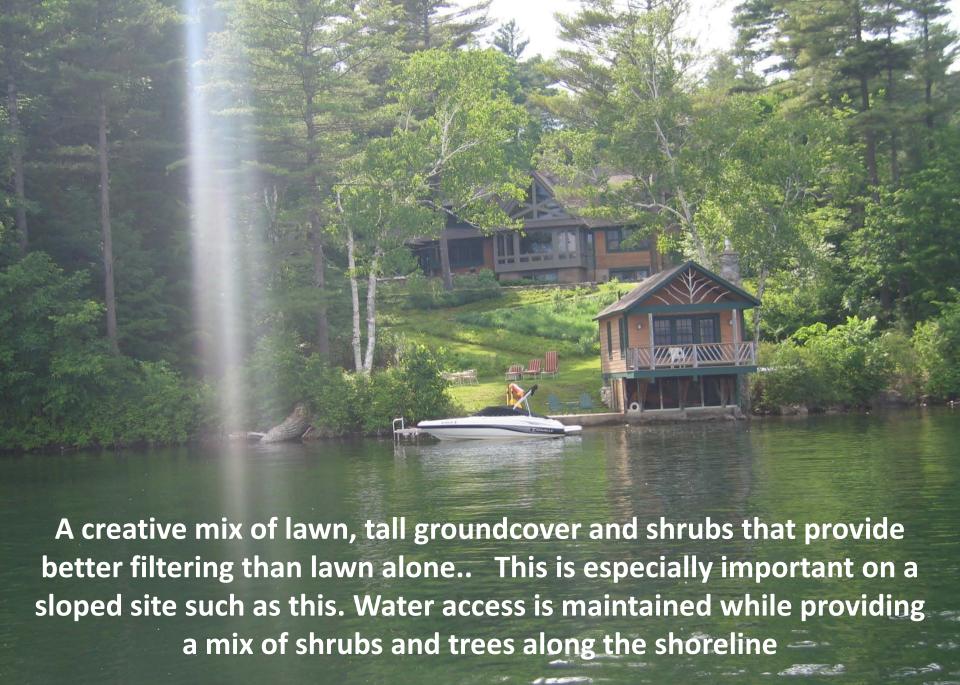


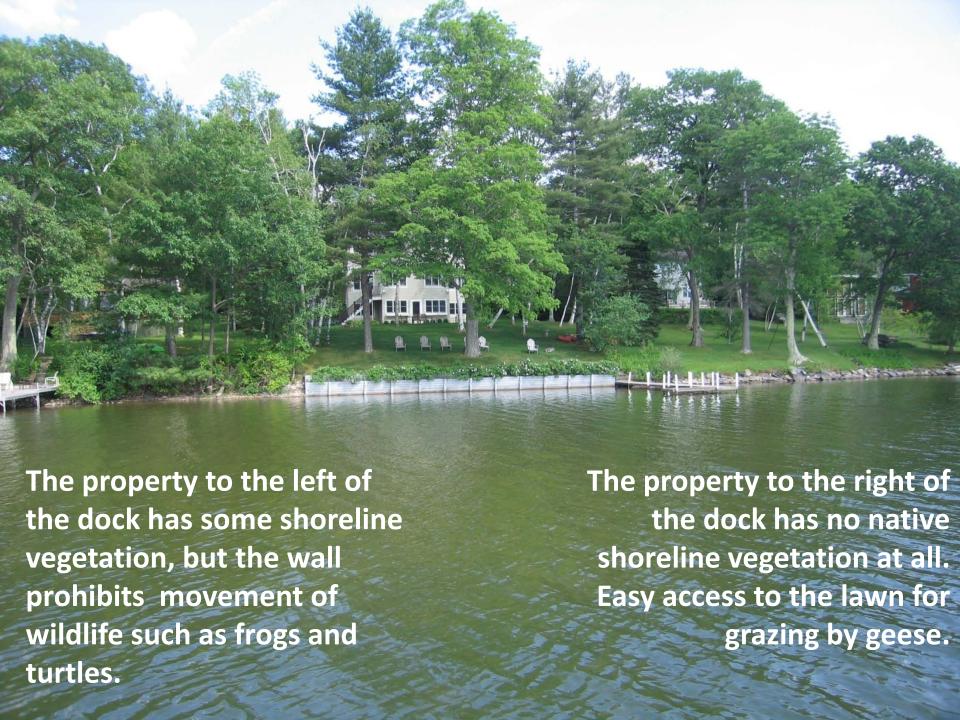
















These property owners show that shoreline vegetation can work on even small parcels. Lake access is maintained with small lawn sections leading to docks and the water.









Bonus: Shoreline Vegetation can act as a Goose Barrier

- Grass is goose junk food
- Creatures of habit
- Young geese return home to breed
- On shore, geese want unobstructed view of water as escape route



Will not go through tall or dense vegetation with flightless young

Break the cycle – create a barrier

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