

Shorelands Management What lakefront property owners should know and do

By Progressive AE

Proper shoreland management is vital to protect both water quality and fisheries. During pre-settlement days, much of the shoreland around lakes was forested, wetlands, or grassland. Natural habitat was abundant. Over time, as shorelands were developed, much changed. Shoreland vegetation was removed, and natural areas that allowed rain waters to infiltrate were replaced by rooftops, roads, driveways, and other hard surfaces. Now, rather than infiltrating, storm water runs off these hard surfaces, often carrying fertilizer, oil, and other pollutants to the lake. Problems associated with excessive shoreland development include increased aquatic plant growth, diminished fisheries, and poor water quality. How we manage our shorelands can have a direct and profound impact on the quality of our lakes.

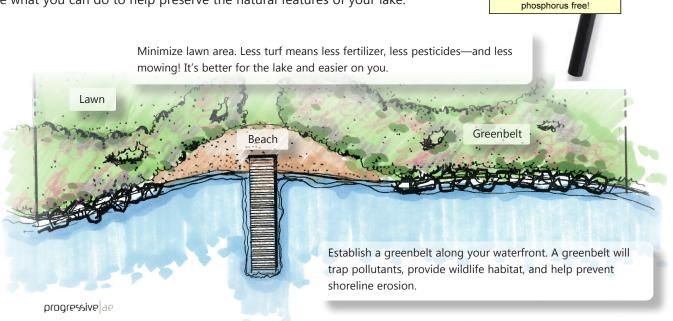
Protecting shorelands is straightforward: Maintain or restore as much natural shoreland as possible. That is not to say that you can't—or shouldn't—have an area to swim, moor boats, fish or lounge by the shore. However, manicured lawn to the water's edge and boundless seawalls are not conducive to healthy lakes, nor is large-scale removal of aquatic vegetation.

20-0-20

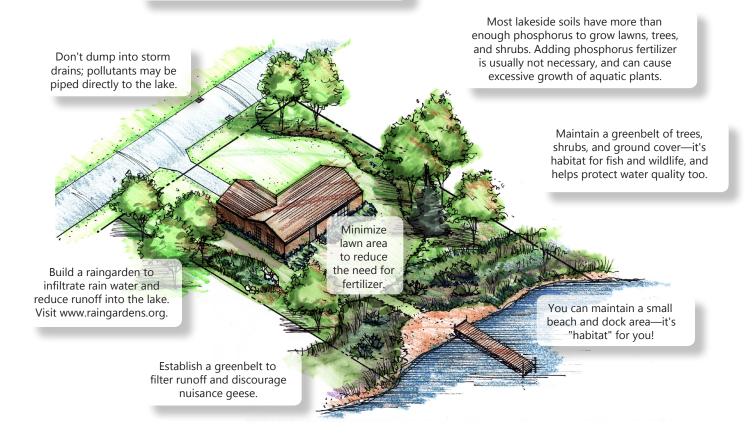
Look for the middle number!
A zero in the middle means

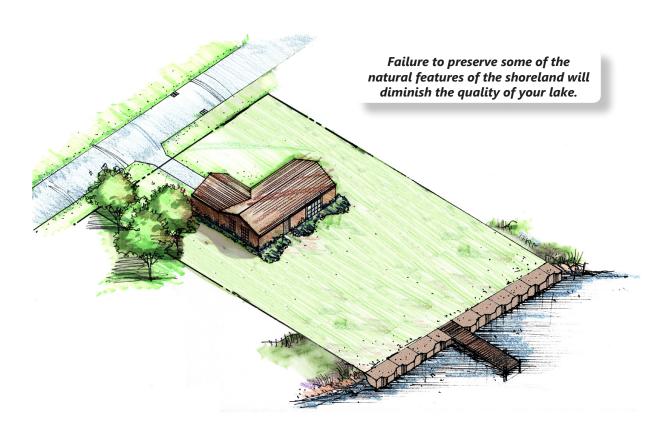
In addition to protecting or restoring natural shoreland, you should also be careful about the application of lawn fertilizers, especially fertilizers containing phosphorus. Phosphorus is the nutrient that most often stimulates excessive growth of aquatic plants and causes premature lake aging. Fertilizers should only be used sparingly near lakes, if at all. If you must use fertilizer, only use a phosphorus-free fertilizer. Once in the lake, a pound of phosphorus can generate hundreds of pounds of aquatic vegetation. This vegetation is most evident in the near-shore areas of the lake where we swim and recreate.

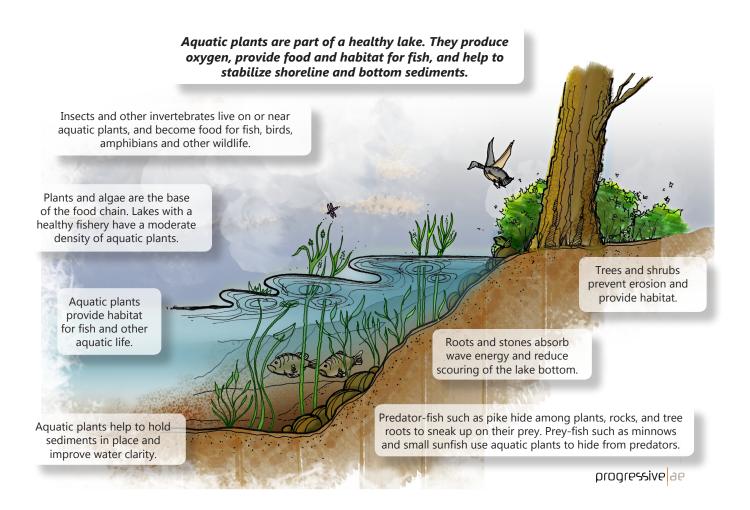
Take a look at the following illustrations. Then take a look at your shoreland and see what you can do to help preserve the natural features of your lake.

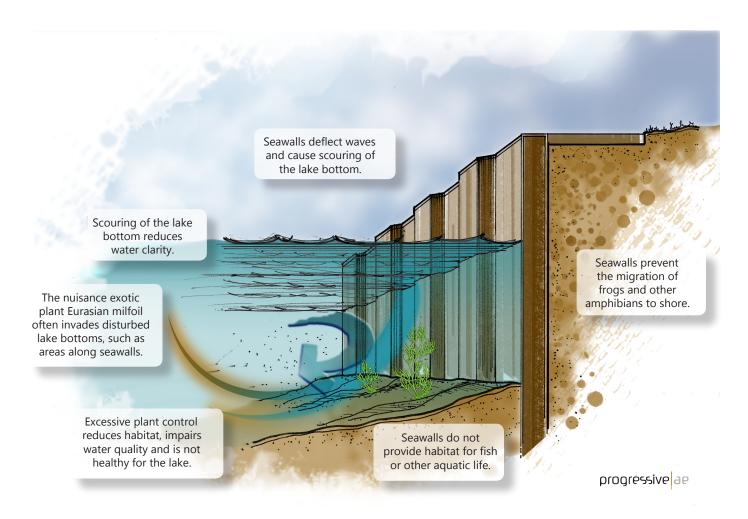


Your shoreland can be maintained to provide beach and boat access for you while maintaining habitat for fish and wildlife.









10 Ways To Protect Your Lake

- 1. Don't use lawn fertilizer that contains phosphorus. If you use a professional lawn care service, insist upon a fertilizer that does not contain phosphorus.
- 2. Use the minimum amount of fertilizer recommended on the label more is not necessarily better!
- 3. Water the lawn sparingly to avoid washing nutrients and sediments into the lake.
- 4. Don't feed ducks and geese near the lake. Waterfowl droppings are high in nutrients and may cause swimmer's itch.
- 5. Don't burn leaves and grass clippings near the shoreline. Nutrients concentrate in the ash and can easily wash into the lake.
- Don't mow to the water's edge. Instead, allow a strip of natural vegetation (i.e.,
 a greenbelt) to become established along your waterfront. A greenbelt will trap
 pollutants and discourage nuisance geese from frequenting your property.



- 7. Where possible, promote infiltration of stormwater into the ground. Build a rain garden to capture runoff from driveways and downspouts.
- 8. Don't dump anything in area wetlands. Wetlands are natural purifiers.
- 9. If you have a septic system, have your septic tank pumped every 2 to 3 years.
- 10. Don't be complacent your collective actions will make or break the lake!

