

How do shoreland zoning standards keep phosphorus and other pollutants out of lakes & streams?

1. **Curb pollutants at their source:** Limits on filling and grading reduce the amount of soil erosion

Many soils in WI have high levels of phosphorus (P). For 80% of lakes in WI, if you add more P, you get more algae & aquatic plant growth. One pound of P in a lake can cause up to 500 pounds of algae growth.

2. **Cut runoff:** Limits on impervious surfaces reduce the amount of runoff going to the waterway

3. **Capture and cleanse:** Shoreline buffers and rain gardens catch pollutant-carrying runoff

