



## *More Information about Waterfront Runoff Mitigation Projects and Assistance*

***What are we trying to accomplish?*** Improve Bone Lake's water quality and habitat.

***What resources are available to help?*** Grant \$ provide free technical assistance and 75% of the cost of installation to property owners.

***Why are we concerned about runoff from waterfront property, and what can we do about it?*** Waterfront properties (along with the larger watershed) are one of the sources of phosphorus and sediment that flow into our lake causing algae blooms – 36% of the problem as identified by a 2017 study of multiple sources of phosphorus. Some properties generate more runoff and carry more phosphorus and sediment-- those with steeper slopes, channels of water flow, structures or hard surfaces close to the lake, or a lack of natural vegetation at the shoreline. Your property might have at least one of these characteristics. If it does, consider scheduling a free, no-obligation site visit. Cheryl Clemens, our environmental consultant, will visit you. Together you'll identify no-cost, low-cost, and grant-funded projects for your property -- projects that can improve Bone Lake and your investment in it, too. To schedule a visit contact: **Mary Chorewycz**, 651-454-9456, amchorewycz@yahoo.com

***Example projects*** – all are aimed at encouraging runoff and associated nutrients and sediment to soak into the ground rather than flow to the lake.

***\*Native plantings*** improve wildlife habitat, slow runoff water, and promote natural beauty. Our grant requires a minimum 350ft<sup>2</sup> area planted to native flowers, grasses, trees and shrubs next to the water to replace lawns, bare soil and invasive species.

***\*Rain gardens*** are landscaped shallow depressions with loose soil planted with native plants. They are designed to collect roof, path, and driveway runoff while also creating wildlife habitat and natural beauty.

***\*Rock infiltration*** is an excavated pit or trench filled with rock that reduces runoff by storing it underground until it can infiltrate.

***\*Diversions*** redirect runoff that would otherwise move downhill into the lake to an area where it can soak into the ground. Diversions may be used in connection with rock infiltration or rain gardens. Diversions include berms, trenches, and water bars.

***Septic system upgrades*** - replace a failing septic system that is loading nutrients to the lake with a \$2500 incentive. Call Bone Lake Volunteer, Dick Mackie at 715-857-5205 to arrange a free, no obligation review by a qualified soil scientist to learn more about your septic system.

\*These projects are found at the North Landing. More information about these types of projects is found at <http://healthylakeswi.com/>

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