



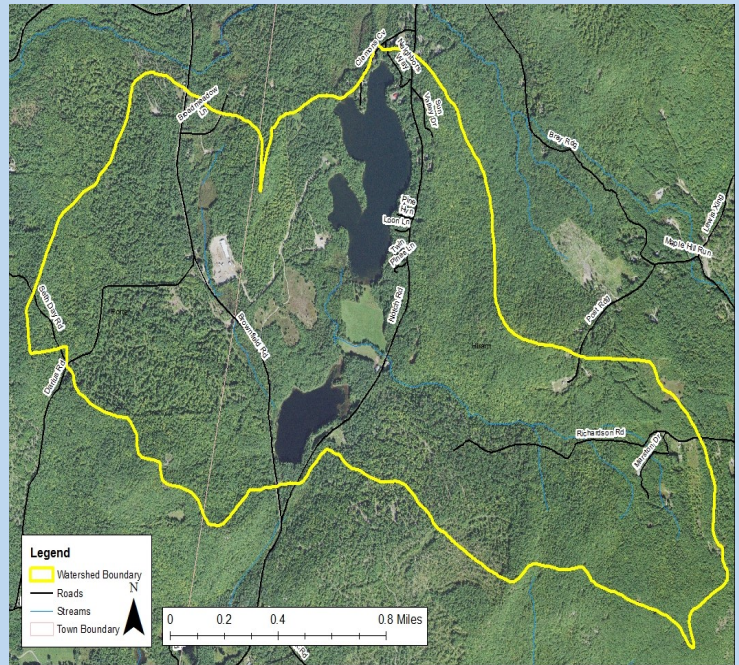
Clemons Pond Watershed Survey Summary Fact Sheet

Background

Clemons Pond in Hiram and Porter has a surface area of 81 acres, a maximum depth of 44 feet, and a mean depth of 12 feet. It has a flushing rate of 2.55 times/year.

Clemons Pond ultimately drains into the ocean via the Tenmile River and then the Saco River.

The Clemons Pond Association (CPA) has been monitoring the pond since 1988 and has performed the Watershed Survey as a preventative measure to keep Clemons Pond clean and healthy.



What was the survey about?

Soil erosion is the #1 source of contamination to Maine lakes. Soil particles carry phosphorous, which is a plant nutrient, as a “hitch hiker.” Soil carried in stormwater deposits phosphorus into lake waters, where it can be taken up by algae. Too much phosphorous leads to an explosion in the algae population known as a bloom. A bloom causes the lake to become slimy and green, which ruins swimming, boating, fishing and the quality of wildlife habitat.

Over time, phosphorus builds up in lake sediments. Phosphorus can be released from lake sediments in a process known as “internal phosphorus loading.”

This watershed survey was designed to identify sources of soil erosion that may be contributing to water quality issues in Clemons Pond.

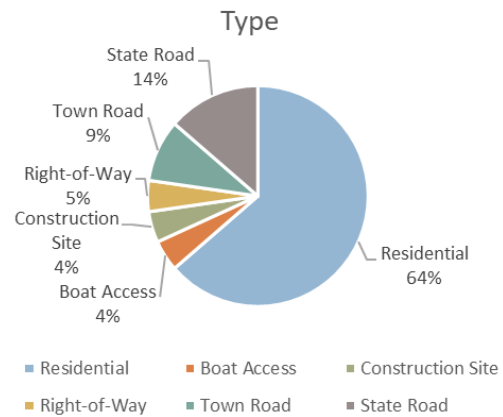


Watershed Survey Results

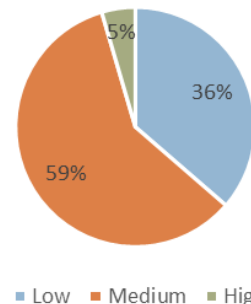
In May of 2022 a team of 13 local volunteers and 2 technical staff conducted a survey of the watershed and identified 22 sites that are contributing polluted runoff to Clemons Pond. Teams documented polluted runoff sources from properties, driveways, roads, and trails using cameras and standardized field data sheets. Teams made recommendations to remediate each source using erosion control practices and rated impact and cost to fix.

- 64% of the 22 sites were residential sites and can be fixed by the homeowners
- 23% of sites were on state and town roads. These sites will be addressed by the state, town, or private road associations.
- The remaining sites were at boat accesses, construction sites, or rights-of-way.
- 1 site is considered a high impact to the pond, 13 sites a medium impact, and 8 sites are a low impact.
- 23% of the sites are anticipated to cost less than \$500 to fix, 59% of sites are estimated to cost between \$500-\$2,500 and 18% will likely cost greater than \$2,500 to remediate.

Clemons Pond Survey Results by Land Use



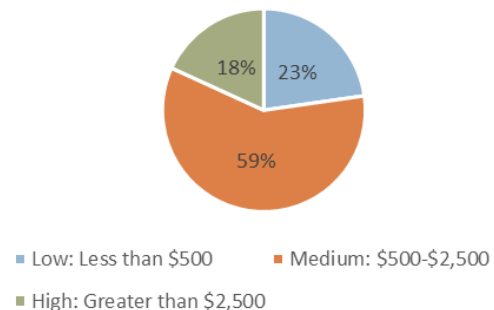
Clemons Pond Survey Results by Impact Rating



What You Can Do

- Prevent runoff from washing sediment into Clemons Pond. Detain runoff in depressions or divert flow to vegetated areas.
- Minimize the amount of cleared land and road surfaces.
- Stop mowing and raking, and let lawn and raked areas revert back to natural plants.
- Avoid exposing bare soil. Seed and mulch bare areas. Use erosion control mulch around construction projects which involve excavation.
- Maintain septic systems and reduce or eliminate the use of phosphorous fertilizers.
- Visit www.maine.gov/dep/land/watershed/materials.html for more resources.

Clemons Pond Survey Results by Cost to Fix



For More Information:

Please Contact Clemons Pond Association

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