



The Lake Doctors, Inc.
Aquatic Management Services

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Blairstone Forest Community
Tallahassee, FL.

The pond is doing fine under the current management plan for vegetation control. The original problems of southern naiad and filamentous algae are minimal. We are utilizing much more natural products in the pond that are based in enzymes and beneficial bacterium to reduce nutrients and organics. I looked back over the year and I would say 80% of our applications were with all-natural products, with minimal need for direct herbicide usage. The only hiccup, if that's what we could call it, was in July when there were some heavy planktonic algae blooms. I directly addressed this in a letter dated July 13, 2018, but basically it looked like there was some rain which provided a massive nutrient load, and because the pond is healthy, we got a planktonic algae bloom. The plankton blooms are a sign of a healthy pond, they just look terrible. We took the necessary steps to try and reduce the bloom but caution must always be taken as these can casue fish kills if treated too aggressively since when the planktons die off, they lower dissolved oxygen.

This brings us to the possible need for aeration. We have discussed this in several letters but good aeration systems can help alleviate these natural blooms, and they help with the biologicals we apply since the bacterium are aerobic and function better in dissolved oxygen at or over 8 part per million. This is typically achieved with aeration in storm water retention ponds. We have priced some systems in the past, but I would be happy to meet owners on site and look at the options available and perhaps they could get a better understanding of what we are promoting.

Overall the pond is doing well. The key is to continue maintenance as these types of ponds can go back to "terrible" in 60 days without maintenance. The only real change would be the addition of aeration. I have also included some third party tests that were done showing how aeration helps. As always never hesitate to contact myself or Chris with any questions or concerns

Sincerely,

Matthew T. Scott, B.S.
Regional Manager