



PONDerings®

Official Newsletter | Issue 26

of **AQUA DOC®**

Enjoy Your Lake or Pond This Year!

Equipment Makes the Difference

Heath Spence, Corporate V.P., AQUA DOC Inc.

Trucks, boats, transfer pumps, granular blowers/spreaders, sprayers both large and small, and most importantly the combined strength and knowledge of a two-man field crew, that is how we operate.

The added benefit of the right equipment and techniques are simple; improved safety and environmental stewardship. When the appropriate tools are used, there is less waste and better results are achieved. So why do we offer specialty tools for your project and our competitors do not? Because we know that equipment makes the difference.

For lake and pond applications, our custom-designed water transfer pumps are one of our most commonly used pieces of field equipment. This versatile piece of equipment can be used from shore or by boat, allowing our Aquatic Specialists to conduct targeted applications, maximizing their impacts on nuisance and invasive growth.

(continued on page 2)

Working full time on Lake and Pond Management... So you don't have to. **800.689.LAKE (5253)** aquadocinc.com

A guide to
**Stormwater
Solutions**
inside!

Equipment Makes the Difference *(continued from page 1)*

Granular blowers and spreaders offer an advantage when applying early season or slow release products. Backpack and electric sprayers can be commonly used for controlling shoreline or emergent vegetation. Every tool is important and has its place.



Although application efficiency is important, the right equipment and techniques also plays a crucial role in jobsite safety. This is one of the many reasons why we operate in two-man crews. Who calls for help when things go wrong on the water if you are all alone? The unfortunate answer is no one. This is a situation that we never want an AQUA DOC employee to encounter, we work in teams and watch out for each other. When it comes to lake and pond management AQUA DOC strives to be prepared for any and all situations that may arise. I know as a property owner, environmental stewardship and jobsite safety are important to me, I hope you will also take this into consideration when choosing an aquatics firm.



Stormwater Solutions

Carter Bailey, Aquatic Biologist, AQUA DOC Inc.



In our daily lives we are becoming increasingly surrounded by important landscape features known as stormwater control structures or stormwater Best

Management Practices (BMPs). When looking around the places we live, work, and do business, I expect you will find at least one of these structures, if not many. If you live in a housing development or a subdivision built after the year 2000, your neighborhood pond is most likely designed as a stormwater control structure. Although these features can serve many functions in your community, its primary focus is to slow down incoming stormwater from the surrounding urban or suburban landscape that is predominantly comprised of impervious surfaces such as streets, parking lots, sidewalks and roofs and rerelease it to the natural environment at a slower pace over a longer period of time. This helps to stabilize peak flow after a rain event, preventing both stream bank erosion and flooding downstream. Control structures can also help remove other environmental contaminants such as sediments, trash, nutrients, metals, oils, and grease.



There are many different types of stormwater structures such as wet ponds or dry basins, but the important thing to remember is that a particular unit is engineered to meet the demands of a specific landscape and has been

approved to do so by a local government (typically a county, city, town, or village). Every stormwater control structure has a set of as-built engineering designs and a long-

term maintenance agreement. It is important for the owner of a stormwater structure be familiar with these documents, to ensure compliance with local regulations. The as-built designs will tell you the specifications of your design and the maintenance agreement will indicate what is required to maintain the structure long-term. These documents are often available through your municipal engineering department or local Soil and Water Conservation District (SWCD).

Locating these documents is the first step in maintaining proper compliance and preventing major problems down the line. Issues with poorly maintained or failing stormwater structures can become very costly, and can even lead to potential fines for repeat violators. Our trained and licensed Stormwater Specialists are here to help private landowners, businesses, and HOAs navigate these issues, ensuring the compliance and functionality of their stormwater BMP now and into the future. Our specialists are knowledgeable in both structural (clogged or broken pipes, missing or broken valves/seals, cracked concrete, bank erosion, dredging, regrading, and landscaping solutions) and routine (vegetative overgrowth, invasive plants, trash/yard debris, and mowing) maintenance requirements. Currently we are offering both inspection and maintenance programs in all of our service territories, let us develop a stormwater solution that works for you and your stormwater control structure.



AQUA DOC® *Solving problems. Providing Solutions.*



BEFORE MANAGEMENT



AFTER MANAGEMENT

How to Maintain a Balanced Fishery

Dale Mattox, Aquatic Biologist, AQUA DOC Inc.

Anyone who has grown up around a rod and reel knows that fishing creates memories that can last a lifetime. These experiences can be shared amongst family, friends, and children of almost any age. However, maintaining a balanced fishery that can be enjoyed year after year can take some effort and understanding. To maintain your fish population, it is important to know the fish species you have, and their current status in your fishery. Customers commonly ask me: Are my fish healthy? Do I have any undesirable species? Is there an overabundance of any one type of fish? Do I need to stock? Should I harvest more?

Implementing an angler survey system can help you answer some of these questions. I recommend tracking what is being caught by documenting species type and size, along with whether or not it was released or harvested. In a

balanced pond fishery, you should be seeing Largemouth bass, Bluegill and/or Redear sunfish, and Channel catfish of all size classes and not too many of one species or another. Bass should be mostly 12-15" with few individuals reaching 18" or more. Bluegill/Redear should be mostly 3-6" with a few individuals 8" or more. Channel catfish should be closely monitored and harvested to maintain relatively low numbers. The recommended harvest per surface acre per year for a balanced fishery is 10 bass 10-11" and 1-5 bass 16" or larger, 300 Bluegill and/or Redear in combination 5-7", and 20+ Channel catfish 18-20". A strict no harvest slot should be placed on Bass 12-15". Stocking minnows is also a great option to enhance your fishery. If you have any questions or concerns about your fishery please contact AQUA DOC and one of our Aquatic Biologists would be happy to assist you in developing a strategy for your lake or pond.



A female bluegill can spawn up to three times a summer, releasing between **10,000 - 60,000** eggs per spawn!

This ability makes them an excellent forage fish for your bass population.



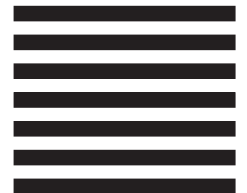
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If you have a Lake or Pond PROBLEM... Aqua Doc has the SOLUTION!



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Please schedule my FREE lake/pond consultation!

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