

Get the Jump on Aquatic Weeds and Algae This Season!

Some might say that its human nature to wait until there's a problem to take action in almost any situation. Some pond owners and property managers fall victim to this mind set when it comes to managing the nuisance vegetation in their own ponds. It's easy to assume that there will be no aquatic vegetation problems in the upcoming season when a quick glance at the pond in March shows no signs of aquatic vegetation growth. A closer look will often show signs of aquatic growth in the early season. Typically, early season cold water algae species are just starting to grow and weed species like curlyleaf and leafy pondweed are beginning grow. If these nuisance algae and plant species are left untreated, they can quickly become a serious problem. Once nuisance plants and algae reach a certain density, they can pose problems to the health of your pond or lake. Dense aquatic vegetation can limit the effectiveness of your fish to find food, such as other small fish. Like all plants, aquatic vegetation produces oxygen during daylight hours as a by-product of the photosynthesis process. This oxygen production is a benefit to the overall health of the pond. However, these plants convert to respiration during the non-daylight hours and consume oxygen. If aquatic vegetation becomes too dense, it can effectively consume enough oxygen during the night (or during a several day period of cloudy weather) to cause fish to suffocate and die. Once aquatic vegetation attains a certain density, it can become problematic to treat in

a single application. When aquatic vegetation dies, it is broken down or consumed by bacteria that naturally occur in the water. Bacteria require oxygen during the process of breaking down plant matter, thus removing oxygen from the water that would have been available to fish. For this reason, aquatic nuisance vegetation cannot be treated in a single treatment once it has reached a certain density. Otherwise, if too much aquatic vegetation is treated at one time, bacteria feeding on the dying vegetation can deplete oxygen from the water and cause fish to suffocate and die. This is why it is important to get an early start on managing nuisance aquatic vegetation in your pond. Making early treatments when vegetation densities are low and water temperatures are cooler greatly reduces risk associated with fish kills due to oxygen depletion. Our lake maintenance customers should have received renewal proposals for the 2013 season in January or February. If you haven't already returned your signed proposal, please send it back in as soon as you can in order to let your applicator get control of nuisance weeds and algae before they reach density levels that can cause problems for your pond or lake. Our do-it-yourself customers should begin applying lake dye and algaecides/herbicides as needed to gain control of aquatic nuisance vegetation before problematic densities are reached. As always, follow all label directions and use only the amount of product necessary to gain control.



The picture on the top shows a pond that has nuisance aquatic vegetation that has reached a density that will pose risks to the pond. This pond should have been treated before the vegetation reached this growth stage.

The picture on the bottom shows a pond that has nuisance vegetation at an early stage that can be safely and easily treated for control.

Aquatic Control is Expanding Again!

Aquatic Control, Inc. is happy to announce the acquisition of Big Creek Fish & Aquatics, Inc. Big Creek Fish & Aquatics located in Wadesville, IN was founded by Bob and Vicki Thiem in 1996. They began with a focus in fish sales and stocking, but quickly added the service of nuisance aquatic vegetation management and fountain and aeration sales. As the business developed over the years, there were fewer efforts put into the fish sales and more on vegetation management and fountain sales. Aquatic Control not only served as a distributor to Big Creek Fish & Aquatics, but also played a major role as a mentor in this new business venture. Over the past 16 years Bob and Vicki have developed a successful lake and pond management business that serves Southwestern Indiana, Southeastern Illinois, and Northwestern Kentucky.

On November 13, 2012 Aquatic Control, Inc. finalized the purchase of Big Creek Fish & Aquatics. After building a very successful business, Bob and Vicki were ready to work a little less and enjoy time with family and friends. Due to the close business relationship and similarity of core values, Aquatic Control was the first choice for Bob and Vicki in taking over the business that they had



worked so hard to develop and continue their focus on customer service. Due to the location of Big Creek Fish & Aquatics in comparison to the current service territory of Aquatic Control, it also made sense for Aquatic Control to make this acquisition in order to grow the service division business in these existing territories.

Bob will remain on staff as part of the Aquatic Control team and Aquatic Control will continue to operate out of the current facility in Wadesville. Aquatic Control would like to welcome

Bob Thiem to our team! We look forward to continuing to service our valued clients for years to come.

Please feel free to contact us with any questions you might have about receiving a contract for vegetation management, fountain installation or maintenance, fish population management, diffused aeration system design or installation, or any other pond or lake management challenge you might face. We can be reached at 812-673-4713 or 800-276-6254 or by email at sales@aquaticcontrol.com.

Aquatic Control Welcomes Jared A. Armstrong, Aquatic Biologist



Mr. Armstrong was hired by Aquatic Control Inc. in February of 2013. He was born and raised in Hendersonville, TN. He graduated from Hendersonville High School in 2008.

In December 2012 he received a Bachelor's of Science Degree in Wildlife and Fisheries Science, with a concentration in Fisheries Science, from Tennessee Technological University. He was involved with his university's chapter of the Student Fisheries

Association (SFA) as well as The Wildlife Society (TWS).

While pursuing his bachelor's degree, Jared worked on several projects in conjunction with Tennessee Technological University. One project focused on how construction on Center Hill Dam affected the fish assemblages downstream on the Caney Fork River. This was monitored through boat and backpack electrofishing. He also assisted a graduate student with a mortality study of hybrid striped bass on J. Percy Priest Reservoir, just outside of Nashville, TN. In the summer of 2012 Jared took a seasonal position with the Missouri Department of Conservation.

He was stationed at the Lost Valley fish hatchery in Warsaw, Missouri. His duties included: sampling fish populations in several Missouri impoundments using boat electrofishing, fish inventories in small order prairie streams, herbicide treatment of nuisance aquatic plants, propagation of various warm water fish species, and age and growth analysis of sunfish.

Jared's duties with Aquatic Control include aquatic plant management, installation and maintenance of fountains and aeration systems, assisting in electrofishing surveys, and assisting pond and lake owners with fisheries related issues.

Kasco xStream Fountain



Aquatic Control is pleased to introduce the newest member to the Kasco fountain line, the xStream Fountain. Developed to serve the needs of customers wanting a small pond fountain with large, laminar displays at an affordable price, the initial response to the xStream is a home run by including 30+ patterns at a retail price under \$1500 for the 100' model.



Differing slightly from Kasco's normal design, this is a 1/2HP, high RPM motor as opposed to their normal low RPM. The high RPM design creates more pressure which leads to larger, laminar display patterns. Amp draw varies between 6.6 and 7.2 depending on pattern choice, so it will not cost customers a fortune on their electric bill.

Another unique aspect is the amount of patterns that are included with this fountain. A single nozzle and flow straightener allows for over 30 unique laminar flow patterns with a max height of 8.5 feet. A set of rubber plugs are included for the customer to "custom design" their own displays, or remove the nozzle and flow straightener for a beautiful, tall V shape pattern to satisfy virtually any small pond application. The compact design only requires 15" of water for operation, and you can add Kasco's new LED 3 light kit to the xStream for beautiful nighttime displays.

As with other 120V Kasco models, the 2400SF, xStream is available with 50', 100', 150', or 200' cord lengths. Units with up to 100' cord units are shipped nearly completely assembled in 1 box while longer cord lengths require a 2nd box for the cord. A C-25 control panel with timer, GFCI, photo sensor and plug in is included, along with mooring lines making this offering "plug and go". You just supply the power to plug into as well as the pond.

The complete package is ETL approved to UL and CSA standards. The xStream Fountain is covered by a 1 year manufacturer's warranty. Please contact Aquatic Control for more information.

Aquatic Control Welcomes Aquatic Biologist, Jarrod K. Richeson



Mr. Richeson has been an Aquatic Biologist with Aquatic Control, Inc. since June of 2012. He works at the Northern Indiana office located in Valparaiso, IN. Jarrod grew up in the small southern Indiana town of Mt. Olympus and attended nearby Princeton Community High School where he participated in basketball, soccer, and track while graduating with academic honors in 2002. His education was continued at Vincennes University where he graduated in 2004 with gold chord recognition, and an associate's degree in Conservation Law Enforcement. His bachelor's degree was then completed 2 years later, in 2006, with a degree in Criminology from Indiana State University. Having a change-of-heart from the criminal justice side of things, Jarrod decided to pursue his passion with the outdoors and, while working fulltime, completed his second bachelor's degree from Purdue University in Fisheries & Aquatic Sciences in 2011.

Jarrod amassed a multitude of experiences during his collegiate reign. His internships include shadowing and participating in the duties of a DNR law enforcement officer, as well as the daily work tasks executed at the Gibson Soil and Water Conservation District's NRCS office. Jarrod also has volunteer work to his resume, one such instance which included working with the Illinois' DNR to help age and track whitetail deer. While at Purdue Jarrod gained valuable experience working at their Aquaculture Research Laboratory where he helped a grad student maintain data on studies with fathead minnows, as well as shoulder the workload of a feeding regimen, maintenance, and general upkeep at the aquaculture facility. Also, while attending Purdue, Jarrod was the 2009 Vice President of the Purdue Sub-Unit of the American Fisheries Society.

After leaving Purdue, Jarrod worked full time while finishing up his few remaining classes. The position he believes helped him gain experience, though unrelated to his field of studies, was working in middle management as a supervisor at Ameriquel Foods. While there he conducted time studies, dealt with potential new customers, and led his team to accomplish their goals in a timely manner.

Jarrod worked tirelessly applying for a natural resources related position and in June 2012 he jumped at the opportunity to join the Aquatic Control team. His duties include aquatic vegetative management, fisheries surveys and their subsequent reports, fountain installation, maintenance, and removal, as well as aeration installation. He is licensed as an aquatic applicator in Indiana and Illinois.

Outside of work Jarrod has participated in amateur boxing since 2004 where he was once a runner-up in the Indiana Golden Gloves state tourney. He thoroughly enjoys music, playing guitar, fishing and all outdoor related activities, and Indiana Hoosier basketball.



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Aquatic Control Welcomes Jacob T. Cowherd, Aquatic Technician



Mr. Cowherd began his employment with Aquatic Control, Inc. on March 11, 2013. He grew up in West Central Missouri, and graduated from Lafayette County High School in

2006. In May of 2010, Jacob graduated from Missouri State University in Springfield, Missouri and received a Bachelor of Science in Wildlife Conservation and Management and a minor in Agronomy.

During his college years, Jacob had the opportunity to gain experience in aquatic resource management through working with the Missouri Department of Conservation on various fisheries management projects. He worked with fisheries biologists on an assortment of river, stream, and impoundment fish sampling studies. He was also involved with habitat

improvement and water quality monitoring projects. When school and work schedules allowed, Jacob took advantage of the many outstanding fishing opportunities provided by Southwest Missouri and honed his angling skills.

Following his college career, Jacob took employment with the Missouri Department of Conservation as a Resource Assistant at the Montauk Hatchery near Salem, Missouri and later at the Chesapeake Hatchery in Mt. Vernon, Missouri. During his time working in Missouri hatcheries, Jacob held many responsibilities necessary in providing for the smooth operation of these facilities and ensuring production of a variety of fish species including: trout, walleye, largemouth bass, bluegill, hybrid sunfish, grass carp, and channel catfish. In order to help the hatcheries meet fish production requirements, Jacob was involved with the processes involved in fish health and development from spawn to stocking.

Jacob's duties with Aquatic Control include aquatic plant management, installation and maintenance of fountains and aeration systems, assisting in electrofishing surveys, and assisting pond and lake owners with fisheries related issues.



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