

Introducing The Aqua Cleaner

Water Front Restoration

Profile on our Company:

Introduction: Golf Courses have a unique situation because they use their ponds and waterways for irrigation and aesthetic purposes as traps for their golfers. Your Pond is simply your holding tank for water so that you can irrigate your grounds. Ponds contain the heaviest concentration of Weeds and Vegetation and that can only mean huge problems for you due to the constant stagnant and shallow water.

Benefits: The Aqua cleaner is a machine that is custom made for golf courses because:

- A) It can remove all the silt around your water intakes and open them up to their full potential.
- B) Can be placed into your irrigation pipes to clean and open them.
- C) It can remove all your vegetation in your pond. This does two things.
 - 1) Makes your pond and trap a more aesthetically pleasing
 - 2) Prevents continuous formation of dead vegetation that eventually becomes more silt.
- D) Can remove silt and soil in your pond. This deepens your pond and increases it's potential volume.
- E) Yes it can remove the bulk of your golf balls.

We manufacture two different Aqua Cleaners that together can provide a total solution to your water front problems.

The Aqua Cleaner Vegger is designed to suck up any type of solids that will pass through a 5" hose. These include aquatic vegetation, leaves, rocks, zebra mussels, sticks and other debris.

The Aqua Cleaner Dredger is designed strictly as a portable dredge machine that will suck up silt, sand and other water permeable material.

On Site Personal & Equipment

Our crews work as one unit to deliver efficient, effective service. Each team consists of a minimum of two (and up to 4) skilled water-cleaning professionals.

They include:

- A) Set up- two employees who will unload the equipment, set up the site and prepare refuge line.
- B) Our Divers- skilled at different levels depending on the application (Each Aqua Cleaner can accommodate up to 2 divers operating one hose)
- C) Under Water Technicians- These divers hold and assist in the operation of our vacuums, but also work the cameras, lights and communication with our land based staff.
- D) Refuge removal- Working with large volumes of water requires an efficient crew working with all the debris and refuge coming through the filters. (Can use up to three employees)

Dredging:

The traditional method for removing soil entailed having a large construction excavator operate either from your dock or out on a barge. This process is imprecise and not very effective. It is also the least friendly to the environment. Scooping large

volumes of soil from a water way is intrusive and doesn't afford a close tight cleaning. Also, silt consists of approximately 70% water so that when you grab a bucket of it, you lose most of the material as it flows out of the bucket and all over your property.

Process: The Aqua Cleaner operates by sucking up silt and water together and pumping it to a desired location. The most cost effective method involves pumping the material into a field and letting the water dissipate and be absorbed into the ground, and then letting the silt be absorbed into the ground over time. Our second option is to pump the silt and water into a dewatering bag that sits on your property. The water slowly leaches out and over a short period of time, the silt contained in the bag will harden, and can then be removed. Silt is typically composed of a very pure, organic material, that can be spread over your lawn and when necessary given to local landscapers or farmers.

Site Plan For Dredging: A) Mark off area to be dredged. B) Build suitable silt wall to allow water to drain back to source C) Pump out soil beyond silt screen D) Move soil onto dump trucks E) Cart away soil

Benefits:

- 1) We can get into all tight spaces around docks and barges and carve out a more precise removal of soil.
- 2) We can filter out any type of natural minerals or fish that we come in contact with.
- 3) We won't disrupt and destroy your property.

Costs For Service Work & Purchasing.

Services:

- 1) Aquatic Vegetation Removal - \$150.00/hr
- 2) Dredging - \$15/cyd With Dewatering - \$20/cyd

Purchasing:

- 1) Vegger - \$30,000 plus options
- 2) Dredger - \$30,000 plus options