

Algae Information and Updates

Since you have contacted Aquacleaner Environmental to help in the restoration of your Lake pond or waterway, I would like to educate you about algae and what you can do to keep it controlled and what it takes to eradicate it from your waterway.

There are several prevalent types of algae depending on what part of the country you live in. Algae are not a rooted plant. It does not grow from the bottom up and have a rooting system that is embedded in the soil.

An algae bloom occurs from an interaction that occurs when sunlight hits a water body. When this happens ultra violet light and photosynthesis occurs in the soil and in the suspended elements that are in the water column (particles you can't see).

The sun hits the pond, water temperature increases, and gases and elements released continue to be exposed to sun and eventually forms algae.

How to remedy this problem:

Dredge out the waterway removing the organic sediment (accumulated over years of plants and leaves dying in the water and decomposing)

Flush the pond (what would do if it were a pool. Shock it, and in the worse case change the water)

Add an aeration system. This does 2 things. Keeps the water moving and puts more oxygen into the waterway.

Treat with algaecide to kill the algae blooms.

Use bacterial enzymes that eat the nutrients that feed the algae and are in the water column. This method has had positive results but requires long-term treatments and is only designed for a relatively small area.

We offer a natural solution that can help restore your pond. You can have us do all or part of your pond on a maintained schedule.

- 1) Remove all the organic material that has not decomposed in the waterway.
- 2) Dredge out the organic sediment that has accumulated in your pond since when it was made or when you had it cleaned last.
- 3) While pumping out your waterway you get the old, stagnant water removed as well and let the pond refill so we can continue our project
- 4) Ponds that are being done in phases have the added bonus of us revisiting the work we did in the prior visit so that when we have completed the job, the area done years before will still be clean.