



Natural Lake and Pond Treatment



NATURAL WATER TREATMENT PROGRAM

Our Microbes

Eco Solutions New Zealand imports and manufactures beneficial bacteria technology from the USA for lake and pond water restoration.

Eutrophication

Ponds and lakes are very sensitive to outside influences, especially the quality of water flowing into them and the nutrients and organic material being washed or blown in.

The ideal pond has clear, cool water, low nutrient levels and lots of large leafed aquatic plants for shade. However, over time the gradual build-up can lead to excessive weeds and algae bloom. This causes a depletion of oxygen, which can be detrimental to the entire eco system.

This process is called eutrophication. Eutrophic lakes and ponds have cloudy, dark coloured water with low oxygen levels, lots of algae and thick, stagnant sediments.

Eco Solutions

By increasing or boosting the population of naturally occurring bacteria, the cycling of nutrients and rate of organic decomposition in a body of water will drastically be improved, while other issues (such as algae, odour and sludge) are pursued to remediate the causes of stress upon the aquatic system.

Not all bacteria products are the same. Many other bacteria products include 1 or 2 species of bacteria (usually anaerobic), with a very low cell count. Eco Solutions TLC Products have a cell count of about 700 billion, including 6 different species of aerobic, anaerobic and facultative bacteria, providing all the right tools to do the job efficiently.

Choosing Natural Treatments

Natural solutions treat water without repercussions of harmful side effects and are safe for the applicator and the environment. Over time natural treatment will transform water ecosystem to be more self-sustaining, lowering your costs in the long run

Westshore Wildlife Reserve, Napier

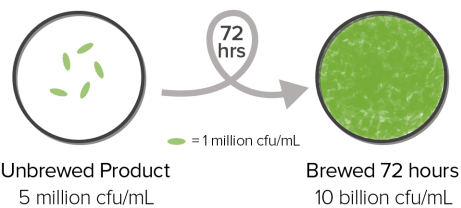


LAKES, PONDS AND RESERVOIRS

Brewed Treatment

For large lakes, extremely problematic ponds and wastewater, Eco Solutions incorporates a patented brewing process to enhance the concentration and growth rate of nitrifying and sludge-digesting bacteria.

This brewing process is extremely simple, only takes 3-10 days (depending on the desired results), and can be done on site.



Once the bacteria are cultured, they can be added to the water body by hose or injection system, depending on the application.

Rapid Sludge Breakdown

Adding a specific mix of sludge-digesting bacteria is the most economical, natural method for breaking down sludge. Once the bacteria are in the system, they start digesting the sludge particles rapidly, while disrupting the sludge-water interface.



Combo Pack Treatment

For backyard ponds, dugouts and lakes with minor problems, Combo Packs are used as a simple, concentrated, monthly treatment to naturally combat algae, aquatic weeds, odour and sludge build-up.

Each Combo Pack consists of 1 x 4 Liter PondPerfect liquid bacteria and a slow-release EcoSock containing powdered bacteria for sustainable results throughout each months

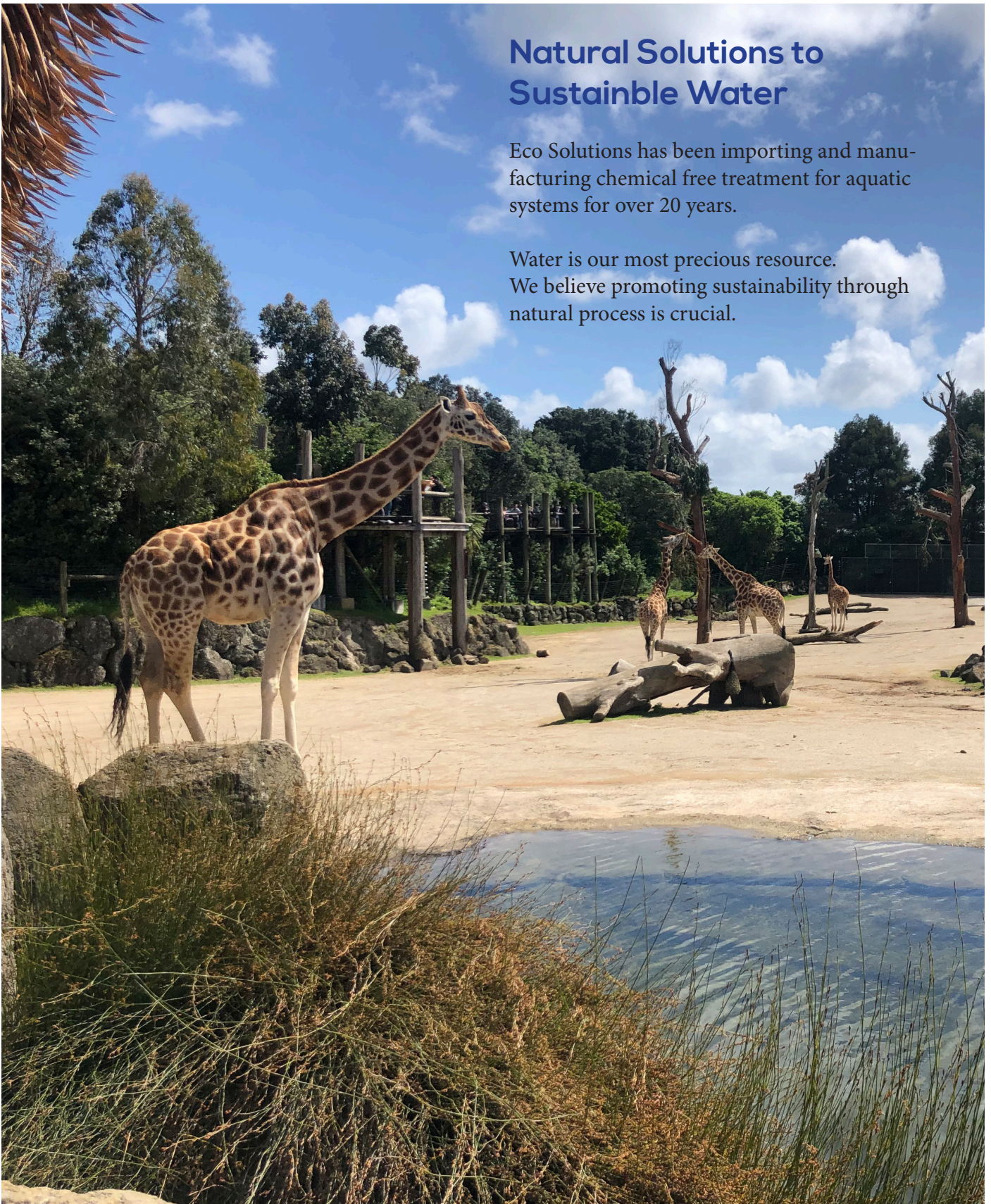
Baboon Pond, Auckland Zoo



Natural Solutions to Sustainable Water

Eco Solutions has been importing and manufacturing chemical free treatment for aquatic systems for over 20 years.

Water is our most precious resource. We believe promoting sustainability through natural process is crucial.



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