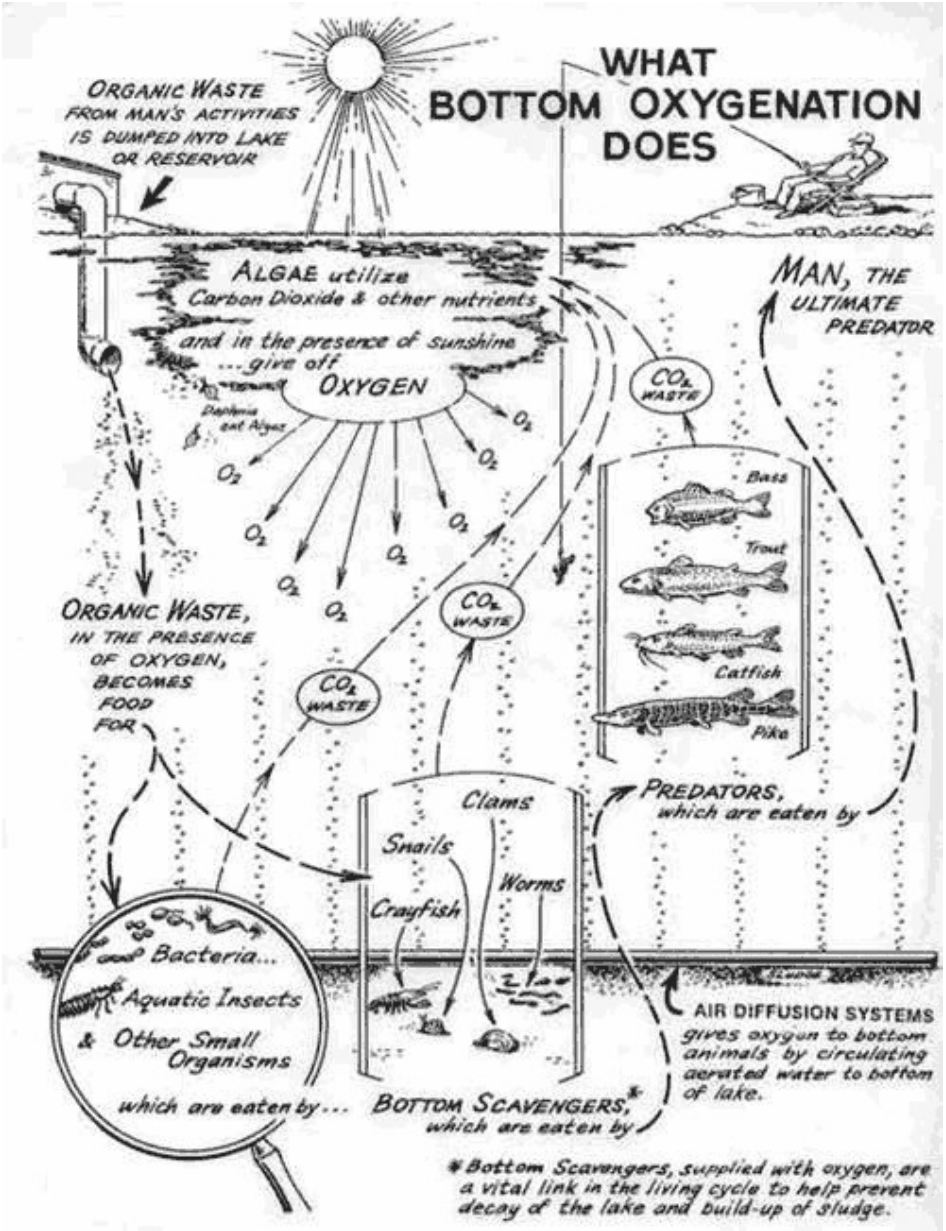
Lanikai Farms

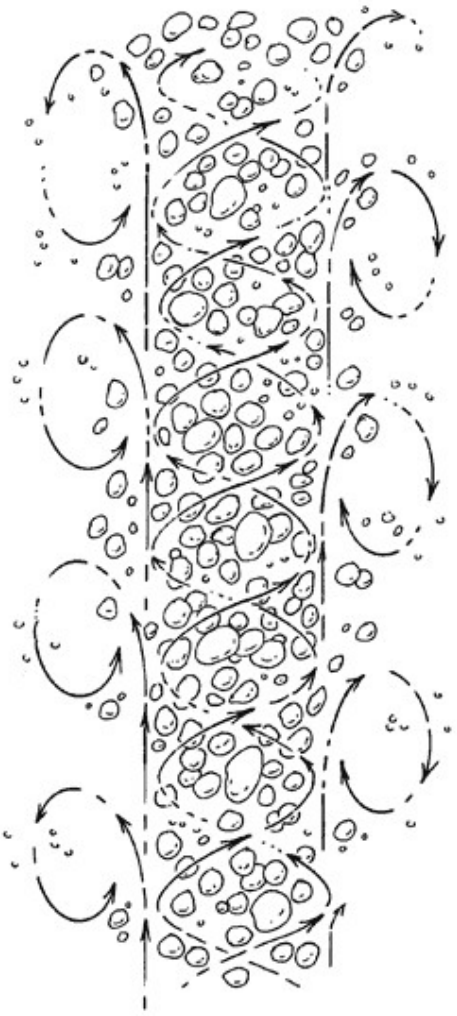
where ecology guides our growth

What Bottom Oxygenation Does.



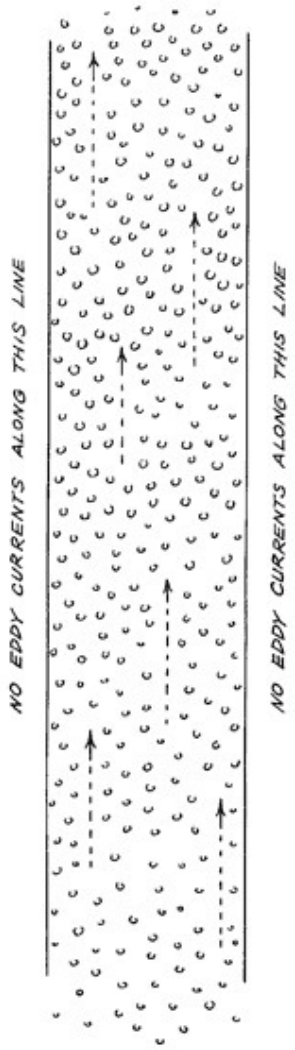
Air Diffusion's unique aeration system insures best quality air and movement with scalability for pump economy and efficiency.

A viable ecosystem is based on the principal of self sustainability. Though man has invented a vast array of methods and technologies, we still find that by working side by side in harmony with natures own methods - we can achieve success in sustainable living. Bottom oxygenation is one of the primary methods of sustaining a cohesive ecosystem. By introducing biodegradable waste into an environment and enriching this waste with oxygen we provide food for bacterias, mollusks and other bottom feeders. Larger creatures then eat these bottom feeders and create more waste while releasing co2 into the ecosystem. This c02 is used by plants such as algae who feed on it and release their own waste, oxygen.



TURBULENT UPLIFT
Velocity over 1.5 ft. per sec.
MAXIMUM FRICTION

Fig. 5



LAMINAR UPLIFT
Velocity under 1 ft. per sec.
MINIMUM FRICTION

Fig. 6

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Photo credits - Lloyd Fischel