



Breathing New Life Into Your Water Course

Specialists in aquatic and bank weed control, pond and lake restoration, silt pumping and dredging, treatment and control of algae, reed, bulrush and lily control.

CASE STUDY— The Eden Project



The Challenge

The Eden Project site has a lake to store the excess surface run-off and storm water. This water is pumped into a secondary lake, and then out into sea.

As the project is built on the site of an old china clay quarry, the runoff from the surrounding land had resulted in a build up of silt at the bottom of the lake, reducing it's holding capacity.

After a period of heavy rainfall and subsequent surface flooding, the need to remove the silt from the bottom of the lake to restore its full capacity was apparent.

Another contracting company using conventional 360 degree excavators were employed, however work had to be stopped when the 360 excavators sank.

The issue of how to remove the silt, what to do with the removed silt, and how to prevent future build ups were a n obvious concern.

The Solution

Using the amphibious Truxor DM500 machine, Aquatic Solutions were able to dredge the lake and pump out the silt into de-watering bags positioned around the side of the lake.

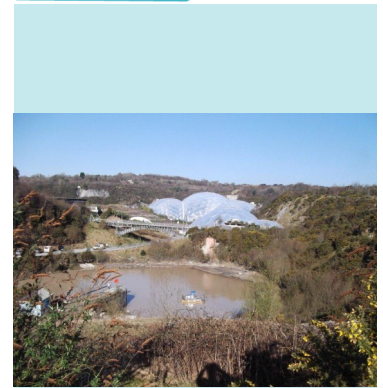
These bags allow the water to separate from the silt , it drains out of the bags back to the lake leaving the silt within the bag. Once the water has drained out of the bags the organic matter left can then be planted with marginals to retain the natural appearance of the lake. The positioning of the bags would also help prevent future accumulations of silt in the lake from run-off from the surrounding steep banks.

The rest of the silt was pumped into a natural sump above the lake, clean water was syphoned off back into the bottom lake.

The Result

The lakes capacity was increased allowing for improved management of the Eden Projects flood defences.

By the inlet a silt curtain was installed to localise the containment of the silt Above the curtain reed rafts were installed to disguise the curtain and add some natural vegetation and colour to the lake.



About Us and Our Truxor



The Amphibious Truxor Machine

The Amphibious Truxor machine is an extremely lightweight, manoeuvrable machine capable of working in the tightest and most challenging of aquatic environments. Able to turn on its own axis and weighing less than 1,400 kg it is ideal for SSSI sites, golf courses, stately homes, private properties and public parks. Its ability to work on or off water makes it ideal for a site where public access cannot be limited or where larger terrestrial machines are not suitable. With a wide range of tools available it is ideal for a variety of tasks within the water. The machine is towed by a 4 x 4 on a flatbed trailer and the Truxor can drive itself to the water over the land.

- **Engine:** Daihatsu 35 hp diesel, Environment Class Euro 2
- **Dimensions:** Length 4.7 m, Width 2.06 m, Height 2.1 m
- **Hydraulic oil:** Biodegradable

Attachments Available;

- Cutter Basket
- Large Cutter Bar
- Heavy Duty Cutter
- Collection Rake
- Clamshell Bucket
- Silt & Dredge Pumps
- Excavator



Services Aquatic Solutions UK offer;

- Complete Aquatic Weed Control
- Silt Pumping and Dredging
- Pond and Lake Restoration
- Reed and Bulrush Control
- Water Lily Control
- Algae and Blanketweed Control
- Aeration
- Invasive weed control;
 - Japanese Knotweed
 - Himalayan Balsam
 - Giant Hogweed
 - Horsetail



[Aquatic Solutions UK looks forward to doing business with you](#)

Some of our customers



Aquatic Solutions UK

Tel/Fax: 01788 810614

Email: info@aquatic-solutions.co.uk

www.aquatic-solutions.co.uk



Invoice Address:

The Cart Barn, Montilo Lane,
Pailton, Rugby, CV23 0QN

Office Address:

Lawford Heath Farm, Lawford Heath Lane,
Lawford Heath, Rugby, CV23 9EU