



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 Water lilies.

Millstream Lodge - Case Study

CASE STUDY— Rickmansworth



The Challenge

The client required the removal of a build up of vegetation within the stream to return the banks to their original position. Old tree roots, Phragmites (reeds) and other aquatic plants had terrestrialised areas beyond the original banks. It was requested that the banks were cleared of the brambles and other overgrown vegetation, which had built up over time on the banks of the stream running through their property.

This had restricted the width and flow of the stream, increasing the risk of flooding, and as the pictures to the right show, the area was looking increasingly messy and untidy.

The problem was one of access into the stream, as it is situated behind some residential apartments, with a low access under the property and a narrow access over the stream once in the property. There was a hedge along the whole length of stream which created another access issue. The banks also needed to be preserved for aesthetic purposes, so even if large machinery were able to gain access, it would have caused considerable damage to the banks.

Aquatic Solutions won the contract as they could use their 2 lightweight amphibious Truxor vehicles to enable the majority of work to take place in the water rather than from the bank, minimising restorative work on the completion of the job.

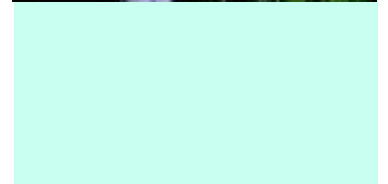
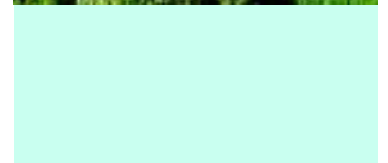
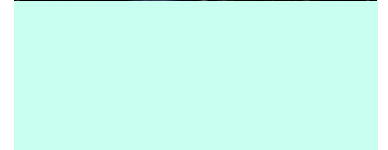
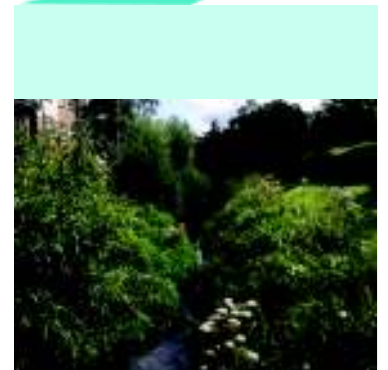
The Solution

To access the water two small sections of the hedge were removed with a mini excavator and preserved so they could be replanted at a later date. The team then entered the water down the banks of each of the four sections of the stream as the bridges across were too narrow to travel under.

One Truxor was fitted with the excavator attachment which was used to dig out the Phragmites, terrestrialised bank and other vegetation in the water. The second Truxor removed the vegetation from the water to the slipways. This process was carried out along the length of the stream.

Once the vegetation had been deposited on the slipways, the mini excavator removed the material to designated locations in an adjacent car park where it was removed from site by grab lorries.

Further work on the banks was done by hand using brushcutters and a slash hook to remove the brambles and tidy up the banks along the stream.



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The Result

On completion of the job, the channel had been increased from 1-2 metres to 6 metres wide. The banks were left in a good condition thanks to the minimal weight and pressure exerted by the Truxor machines, and the fact that they were able to do most of the work on water in the stream.

The 2 sections of hedge that had to be removed were then trimmed, replanted into the gaps and watered to allow the hedge a chance to recover. The slipways that were used for the Truxor and mini excavator were cleaned and levelled to allow the grass to recover and any re-seeding to be done if required.

The “after” pictures below show the cleared channel and the banks which strimmed of all vegetation to show the new waters edge.



Pictures below show cleaning down the car park and raking the banks after brushcutting to remove all of the loose vegetation to leave them looking tidy.



About Us and Our Truxor



The **Amphibious Truxor Machine** is an extremely lightweight, manoeuvrable vehicle, 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. It leaves little more than the mark of a human footprint, ensuring restorative work on project completion is minimal.

The Truxor's 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 transported on a flatbed trailer towed by a 4x4 vehicle, overcoming problems with access encountered when using heavy plant and machinery.

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



Some of our customers



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