



## 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—RSPB



## The Challenge

The RSPB are working to create ideal habitats for Bitterns to breed. They require channels within the reed beds to encourage the fish to swim into the feeding zones of the birds. The Bitterns became extinct in the UK in the 19th century, and although they have since returned to our shores, their numbers are still very low.

These shy birds inhabit reed beds and to successfully feed, breed and thrive they need optimum conditions, preferring managed reed bed habitats where water levels remain relatively constant.

They also need good quality water, with a plentiful supply of fish and amphibians, particularly eels, which are a major food source for Bitterns.

At the site in question, the RSPA had recently acquired the lake, and wanted to encourage Bitterns into this part of the reserve and to continue with their previous successes of attracting breeding Bitterns.

In order to encourage the fish to flow closer to the nesting area, the reed beds required cutting. The problem was that the beds were difficult to access, and manual methods of cutting were just not feasible in terms of access, the time it would take and the cost involved.

## The Solution

Aquatic Solutions were able to overcome the issue of access by using their amphibious Truxor DM 5000. This machine is perfect for working in areas of conservation as it is lightweight and versatile.

The Truxor used a heavy duty cutter attachment to cut channels through the reed bed. Once the channels had been cut the material was then removed completely from the water with a clearing rake attachment on the Truxor.

## The Result

As the aerial shot on the right shows, using the Truxor, the Aquatic Solutions team were able cut herringbone shape trenches into the reed beds and ensure that the fish were able to swim deep into the vegetation within easy reach of the shy Bitterns.



# 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



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