

## RESTORATION OF AN OLD AGRICULTURAL RESERVOIR , BARHALE TRANT UTILITIES



### BIODIVERSITY ENHANCEMENT OVERVIEW

Transformation of a heavily silted agricultural reservoir achieved by cleaning, relining and planting of aquatic plants.

The project included the following enhancements:

- The installation of a nearby hibernaculum was added to encourage development of the area to support Great Crested Newts (GCN) and other species.
- Restoration of the agricultural reservoir to improve water quality and the ability to support GCN and other species.
- Selection of aquatic plants to provide an optimal habitat for GCN and other species.
- Planned programme for the reintroduction of GCN in and around an old agricultural reservoir.

#### Pictures of the clearance and planting stages



#### Fact box

**Company name:**  
Barhale Trant Utilities

**Project name:**  
Restoration of an old agricultural reservoir

**Location:**  
Peacehaven Waste Water Treatment Works, East Sussex

**Biodiversity enhancement:**

- Hibernaculum
- GCN habitat creation

**Size:**  
N/A

**Cost:**  
N/A

**Tips:**

- Initial survey for Great Crested Newts and timing for the project.
- Source natural rainwater or a nearby water source to replenish the pond water with the correct pH and mineral content.
- Selection of appropriate aquatic plants and location for refuge for winter hibernation of newts critical to creating a GCN habitat.
- Close monitoring for successful establishment of GCN and other species.

**Year completed:**  
2014

#### Categories:

- Large scale permanent