



PROJECT INFORMATION SHEET

The Project Name: Rutand Water Habitats Creation
The Challenge: Creation of an Impoundment Lagoon
The Client: Anglian Water / Carillion
The Project Value: £325,000
The Start Date: December 2008
The Completion Date: March 2009



Land & Water Services were contracted by Carrillion to construct an Impoundment Dam to create Lagoon A which forms part of the Rutland Water Habitats Creation Scheme.

The works consisted of the installation of 260 linear meters of AU16 sheet piles together with the placement of 8000 tonnes of rock armour to form a bund.

The piling, which comprised pairs of piles between 3.2m and 8m in length, was carried out using an excavator mounted Movax 75 Side Grip Piler working off a 15 piece Spud Leg Unifloat Pontoon.

The Movax sheet piler is a high frequency hydraulic vibrator which is controlled by a cab-mounted computer allowing the operator to select a precise angle to drive/extract the piles.

The Movax sheet piler automatically corrects the straightness of the sheet pile during the driving and extracting and the side grip allows the piles to be picked up, positioned and driven in one fluid motion.

Due to exceptionally high levels within Rutland Water at the time of the works it was also necessary to cut many of the piles underwater using a dive team.

The subsequent Armour Stone placement was carried out from the same pontoon using a grab mounted on a excavator with the material being transported using a 6 piece Unifloat Pontoon.

