

Beacon Park



Pontoons were used to float machinery out onto the lake

Desilting and restoring a lake in Lichfield.

Salix were employed to undertake the restoration work to Beacon Pool for Lichfield Council on this Heritage lottery funded project.

The lake was heavily silted with sediment deposited from the brook and with many years of decaying leaf litter. The lake was created many years ago by filling in over peat bog which left the lake with soft and rapidly eroding banks of made ground.

To prevent any migration of silt in this crayfish sensitive water course Salix chose to over pump and dewater the Lake.

Silt was then removed using long reach excavators on timber tracking mats as access to the bed was not possible in water logged peat. The silts were placed in a drying area on site for use in landscaping.



Long reach excavators were used to desilt

Natural approaches to erosion control give the greatest returns, for people and wildlife.

The erosion was controlled by placing pre established coir rolls over faggot bundles. The rolls were then backfilled with silt from the lake to fill voids created by undercutting wave lap action.

The soft bank protection was broken with areas of timber capped sheet piling to offer lake side access to this important amenity lake.

The lake was completed by adding a piled hardwood timber walkway to cross the head of the lake with a viewing platform overlooking the pool towards the spires of Lichfield.



Pre-established Coir Rolls



Coir Rolls in place immediately after installation



Vegetation after 6 months