

Stannets Creek Lagoon Edge Stabilisation Project

Stannets Creek Lagoon is a water storage area for Anglian Water which is experiencing bank erosion from wave action. Initial stabilisation works used a hard solution of gabion stone and wire mesh which is effective at preventing further erosion but detrimental to the lake habitats. Salix were invited to design and install a bioengineering trial to demonstrate that a more ecologically valuable solution to the lake edge erosion could be achieved. A small 30 metre reach was protected using mature pre-established coir rolls and pallets planted with *Phragmites australis* (Common Reed). This bioengineering solution not only provided stability to the eroding edge, but also has created a reedbed habitat (Biodiversity Action Plan: B.A.P: Habitat) on this important waterfowl area



Above: Erosion of the lake edge by constant wave action



Above: Initial "hard" revetment solution.



Above: Reedbed establishment 1 year on



Above: Comparison of the "hard" and bioengineering solutions