

## River Roding Inter Tidal Bioengineering Works, Barking, London, UK

In the case of the River Roding two techniques using brushwood fascines were used to prevent erosion and allow establishment of vegetation. In the mouth of the inlet to the backwater a brush mattress technique was installed, whereby the entire surface of the riverbank is covered with 300mm of brushwood held in place by a grid of 1.4m long chestnut posts. The second method was used on the upper banks with lower water depths and consisted of parallel strips of brushwood faggots. Both *Scirpus maritimus* (Sea Club Rush) and *Phragmites australis* (Common Reed) were planted using cell grown plug plants although the main revegetation process appears to have been through natural colonisation of the *Scirpus maritimus* in the silt which is trapped and build up within the brushwood revetment.



Photos : Brush packing Revetment Installation and (bottom right) 3 months growth

