

## Case study 1: Green engineering

We worked with an equine livery yard near Lanchester, County Durham. Two water bodies run through the site, Smallhope Burn and Stocksley Burn. We installed green engineering bank repairs on a section of Smallhope Burn to prevent erosion. 5-meter section of Smallhope Burn was experiencing severe erosion, with a large amount of sediment entering watercourse. Landowner has already replaced fencing as previous fence was undercut by erosion and new fence was beginning to be undercut.

We constructed a green engineering bank repair, using coir matting to prevent soil loss and brash bundles. The bank repair was constructed by a team of 4 volunteers and 3 WRT staff for two 3-hour sessions. Volunteers also planted willow pegs in other areas of bank erosion and deposition to stabilise the banks and prevent sediment loss.

Before:



After:



**5 months later:**

