

Riverbank Restoration, Ennerdale Bridge



The existing riverbank was eroding during floods, destroying the land on the outside of the bend.



Rock armour (rip rap) stone and logs were delivered to site and taken down in dumpers.



The rock armour was placed at the toe of the higher banking.



Topsoil was used above the rock armour and the logs to re-profile the embankment.



The logs were pre-drilled and lifted into place, then secured with steel pins.



The logs were used on the shallow section and blended into the rock armour section.

Client: West Cumbria Rivers Trust	Value: £40,000
Location: nr. Ennerdale Bridge	Duration: 4 Weeks

Project information

The aim of this project was to re-profile a riverbank, so as to prevent further erosion of a field which had been damaged by flooding. The works were done for West Cumbria Rivers Trust in the River Ehen.

The first section was stabilised using “rip-rap” rock armour stone at the toe of the embankment. Care was taken to find stone from a non-limestone source, so the river wouldn't become contaminated.

The logs were sourced from a local supplier, and delivered to site on timber wagons. They were pre-drilled, and taken to the riverside. Once in place the logs were pinned with rebar and the joints were tied using the pig-netting normally used for fencing. The whole embankment was re-profiled with topsoil.

All the work was done in accordance with the rules imposed by the Environment Agency and the client, regarding working in a watercourse.