

River Tywi Pipeline Protection



Pipeline protected using Rock Mattresses and Brushwood Fascines

Salix were awarded a design and build contract to prevent further erosion of a section of the riverbank and reinstate a scour hole threatening a high pressure gas pipeline on the River Tywi.

The Tywi is designated a Special Area of Conservation (SAC) and SSSI and is one of Europe's finest sea trout fisheries.

Due to the sensitive nature of the site within an intertidal zone, it required a solution that would look as natural as possible whilst providing permanent long term erosion protection.



Large scour hole on the intertidal Tywi River threatens high pressure gas pipeline

Products Used

- **Rock Mattresses**
- **Brushwood Fascines**

Gentle solutions in tough conditions

A combination of prefilled Rock Mattresses and Brushwood Fascines fill further up the bank allowed accretion of sediment to build up quickly covering the permanent bioengineering solution effectively. Rock Mattresses were placed 50% into the channel using a dive team to prevent bed scour over the gas pipe.

“Below is one of the latest photos I took before demobilisation, which shows how well the Rock Mattresses and brushwood is accepting the silting and fill following some extremely high water over the past week.

I would also like to take this opportunity to congratulate your company in delivering a very good project under such difficult climatic conditions.

Your management support, when required, your professional and knowledgeable input, and your dedicated on-site team led by Rhodri Henry, ensured a successful outcome for the project. I enjoyed working with you immensely as part of the team ethic approach. I hope we will have the opportunity to work together again.”

Mike Wood Wales & West Utilities



Rock Mattresses being installed

Rock Mattresses provide solutions to many scour problems that support healthy invertebrate and even native crayfish populations.



Accretion of sediment over Rock Mattresses

Photo Mike Wood Project Supervisor Wales & West Utilities.