

Case Study - Shugborough Hall River

Client: Five Rivers, working for the Environment Agency
Duration: 2 weeks
Location: Shugborough Hall, Staffordshire



Background

The Environment Agency were trialing flood management and erosion prevention measures and a site had been selected within the grounds of Shugborough Hall.

Scope of Works

The existing river at Shugborough was to be narrowed to assess the use of natural materials as a more sustainable alternative for river bank reconstruction. Dredging would be required to deepen the main channel and suitable material placed to infill and re-align the river.

Solution

WM Plant Hire used their 20m long reach excavator to dredge the river and spread the arisings on the adjacent land. Five Rivers used Coir rolls and willow posts to create the new alignment. The reclaimed area was then backfilled with dry material placed on a geotextile membrane. This formed a solid foundation that could be used as a working platform immediately.

WM Plant Hire's specialist long reach plant allowed easy access to the river and efficient removal of

material. Minimal disturbance was caused to the existing park landscape due to the lightweight nature of the machine with its low ground pressure tracks.

Particular attention was given to completing the operation safely through the use of their highly skilled operator. Site operations were conducted in line with WM Plant Hire's Safety and Environmental Policy.