



the River Restoration Centre

Working to restore and enhance our rivers

Technical Advice

Western Cleddau, Haverfordwest

Options to improve the amenity value of the river at Haverfordwest

KEY INFO

Date: April 2018

Client: Natural Resources Wales

Type: Options appraisal and design guidance

Themes: Urban, amenity, NFM green infrastructure



The Western Cleddau is one of the larger rivers in Pembrokeshire which flows from north to south through the heart of the County. As it approaches the tidal limit it flows through Haverfordwest, an important commercial hub for the county where flooding is a concern. The town's flood wall currently protects it from a 1 in 100 year event.

Natural Resources Wales and Haverfordwest Town Council were looking for options to improve the amenity value of the river which can be accepted under the flood risk model. RRC provided NRW with three options which would improve the amenity value of the town to different degrees. These options had varying impacts on flood risk and different associated costs. An options appraisal was used to identify the ideal option for NRW's objectives for the project. The suggested option was to use coir rolls in front of the concrete steps with the potential for using coir pallets on the intermittently wet bottom step.

Annotated indicative drawings and maps were produced for each option for NRW to use when communicating the proposed options to partners and contractors.

As well as the town centre, RRC also provided advice on the natural flood management opportunities in the floodplain upstream of the town. The final section of the report provided advice on the next steps to delivering the project and ways in which it can be monitored and evaluated.

