

CATEGORY

Coastal Defence

KEY FEATURES

Flood risk management
Erosion risk management
Habitat and species
management

PROGRAMME

Commencement – February
2010

Planned completion – August
2010

CONTRACT VALUE

£50k

CLIENT

Northumberland County Council

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RIVER TWEED ESTUARY STUDY

Berwick upon Tweed is situated on the north bank of the River Tweed in Northumberland. It is the main settlement in north Northumberland and being the only commercial port between Edinburgh and Blyth is consequently of strategic importance. Supported by the industrial area at Tweedmouth, the area is of vital importance to local employment and the coastal frontage of Spittal, just to the south, is a valuable tourism asset and of importance to the local community.

In February 2010 MWA, were commissioned to undertake a study to provide an assessment of the critical sensitivities and interconnection between natural morphological change and storm events, taking account of both the current condition and performance and longer-term overtopping performance, under predicted future sea level rise, of the existing coastal and estuarial defences at the mouth of the River Tweed.

The key objective of the proposed commission is to produce a comprehensive study of the Tweed Estuary that will enable informed management decisions to be made on the following issues:

- Flood risk management
- Erosion risk management
- Habitat and species management
- Other estuary management initiatives including
 - Future development adjacent to the river and estuary
 - Navigation considerations
 - Recreational considerations

