



COCKERMOUTH CASTLE, UNITED KINGDOM

Slope Stability

Cockermouth Castle

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Project	Cockermouth Castle
Location	Cockermouth
Country/Region	United Kingdom
Year of installation	2016
Customer	Cockermouth Castle
Contractor	CAN Geotechnical
Initial situation	Following heavy storms and flooding in 2015 significant erosion was caused to the riverbank under the castle.
Description	In conjunction with the geotechnical contractor, who had already decided the slope needed soil nailing and TECCO® System, we looked to optimise the solution for the fine grained nature of the soil. We suggested the use of the TECCO® G45/2 in conjunction with an erosion control mat.
Protected object	Touristic infrastructure, Other
Corrosion protection	GEOBRUGG SUPERCOATING
Geology	Quaternary fluvial sands.
Stabilized area	840 m ²
Maximum slope height	20 m
Erosion control mat	Yes
Exposition	-



First summer after project completion showing first signs of re-vegetation



Cockermouth Castle slope after restoration works using TECCO® G45/2 mesh, system spike plates type P25 and nailing



Overview of the slope failure directly endangering the Cockermouth Castle



Part way through the installation of the TECCO® SYSTEM³. The smallest part of the failure is visible on the right



Close up of the completed solution - visible fine but lightweight structure of the high tensile steel mesh TECCO® G45/2

For questions please contact our Geobrugg specialist at your side

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