



Case Study



MORAY FLOOD ALLEVIATION SCHEME, RIVER LOSSIE, ELGIN

Client: Moray Council Direct Services Consultancy

Main Contractor: Designed & built by [Morrison Construction](#)

Indemnified Design: Platipus Anchors Limited

PROJECT SPECIFICATION

Following concerns over the continued erosion and instability of the river's west bank, erosion control and slope stabilisation measures were required along a 30m section to protect the bank and aid flow of the river during times of flood.

SOLUTION

A combination of earth anchors were specified in conjunction with reinforced Tensor 400 GeoMat to provide an easily installed protection scheme. S02 Geo anchors were initially driven along the crest of the bank to hold the reinforced geomat in position. Five staggered rows of S08 anchors were then installed across the face of the slope. Finally S04 Geo anchors were driven along the toe of the slope and into the river bed. All anchors were supplied with stainless steel wire tendons to meet the required design life.

Anchor Systems: 60 x S02 Geo anchors, 75 x S08EH hard anodised aluminium alloy anchors and 30 x S04 Geo anchors.

Quantity: 165 **Anchor Design Life:** 10 yrs **Soil Type:** Sandy Gravelly Clay

