

Case Study

Project: **Gray's Bay**
 Location: **Bowen, North Queensland, Australia**
 Client: **Bowen Shire Council**
 Contractor: **Groundwork Services Pty Ltd**
 Date: **April 2005**



ELCOROCK®

Groundwork Services was awarded the Gray's Bay contract to restore 200 meters of eroded beach in Bowen, North Queensland.

The project included the reclamation of eight metres of eroded beach frontage by constructing an environmentally engineered sea wall.

The structure comprised a system of ELCOROCK® containers manufactured from needle punched staple fibre, each weighing 1.5 tonnes (filled dry weight); a total of 750 were used. The initial layer of containers had a geotextile scour flap, which is designed to eliminate any undermining of the wall.

As the wall was erected a layer of ELCOMAX® 600R was placed directly behind the wall to stop the backfill material from washing through.

The project started at the beginning of April 2005 and was completed within two weeks. The wall was extended by 15 metres, at no extra cost to the Client.



Part of the eroded shoreline

The EPA approved wall was well received by Bowen Shire Council and the local community. Interest in the solution by the others in the district was also generated, who, unfortunately are also confronted with similar beach erosion problems.



After construction of the wall and backfilling



Project complete

www.elcorock.com

Geofabrics Australasia Pty Ltd
 Ph: +61-3-8586 9100
 Fax: +61-3-8586 9174
 Email: sales@geofabrics.com.au
www.geofabrics.com.au

Geofabrics International
 Ph: +61-7-5563 2051
 Fax: +61-7-5563 3727
 Email: exports@geofabrics.com.au
www.geofabricsinternational.com