

CASE STUDY

BORTH COASTAL PROTECTION



The Borth Coastal Protection Project was set up to improve sea defences and mitigate the effects of coastal erosion and flooding on the tourist village of Borth.

Lankelma carried out nine piezocone CPTs to 25m depth on the shingle beach to investigate the nearshore geology. Testing was completed between the tides in four inter-tidal dayshifts, targeting the deformation characteristics of the highly compressible soft clays to perform 24hr. dissipation tests.



PROJECT SPECIFICATION

LOCATION	CARDIGAN BAY, WALES
CLIENT	CEREDIGION COUNTY COUNCIL
DATE OF WORKS	JANUARY 2013
TESTING UNDERTAKEN	CPT
RIG	UK15

George Marjane, Geotechnical Engineer at Royal Haskoning, added: “Undertaking ground investigation work in intertidal areas can be very challenging. Lankelma managed the significant health and safety challenges by selecting appropriate plant and by implementing a well thought-out action plan in case the rig became stuck on the beach on a rising tide.

“The site team were well trained and very flexible which allowed us to complete the work safely and within the programme. Finally, the factual report produced by Lankelma was in a simple and easily digestible format, making our assessment of the site ground conditions more efficient.”

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