

### Sea defence using nonwoven filters, Lincolnshire, UK



*Skegness (Beach Training Works)*

## Mablethorpe - Skegness Sea Defences

### 1. Introduction

The Anglian region of the National Rivers authority covers one of the largest and most vulnerable coastlines in Britain stretching from the Humber in the north to the Thames in the south. With over one fifth of the region below flood risk level there is a continuing major investment programme to protect three quarters of a million people and billions of pounds of investment in infrastructure and land.

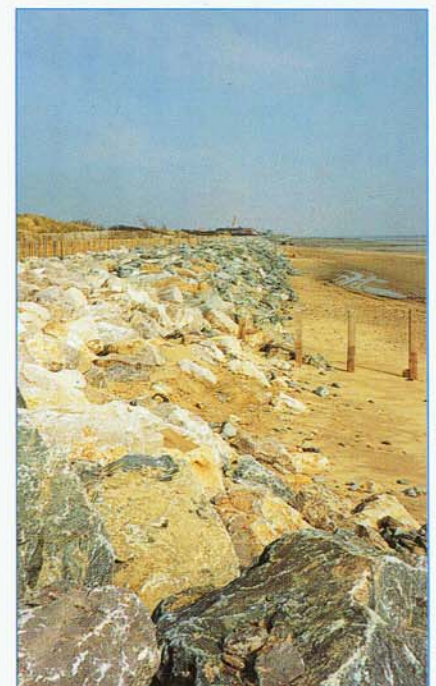
### 2. Projects involving HUESKER heavyweight nonwoven filters

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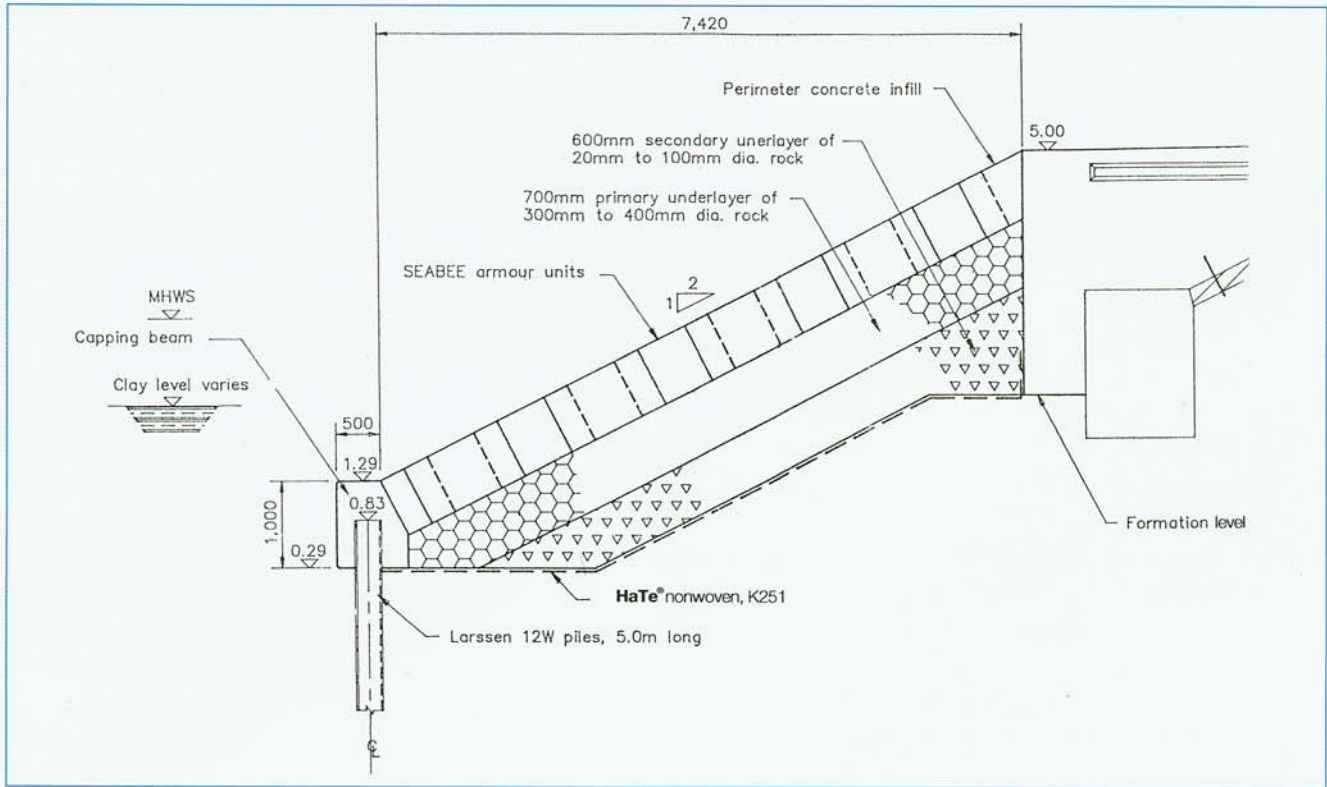
This stretch of coastline is receiving the benefit of a £51 million erosion protection scheme, which is divided into various individual contracts.

a. In 1991-2 sea defences were constructed at Sutton-on-Sea (Parts 22 and 28, 905 lin.m) and Huttoft (Part 31, 720 lin.m). In both situations HUESKER's K251, A750 g/m<sup>2</sup> nonwoven filter was used under the armour revetment.

b. In 1994 further sea defence work at Skegness (Beach Training Works), along a 1.4km stretch, again involved HUESKER nonwoven filters. In this instance A2000, a 2,000 g/m<sup>2</sup> nonwoven, was used in conjunction with K251.



*Skegness*



Huttoft, Mablethorpe



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A2000 and K251 are nonwoven filters officially tested and approved by the BAW (Federal Waterways Engineering and Research Institute), Karlsruhe, Germany, which supports the code of practice 'Use of Geotextile Filters in Waterways'. These materials form a part of HUESKER's wide range of nonwoven geosynthetics.

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