

# Clacton and Holland on Sea Coast Protection Scheme



Esplanade, beach material was brought in from a Crown Estate licenced dredge site approximately 19kms offshore by the Sospan Dau, a special shallow draft dredging vessel.

Approximately 20,000m<sup>3</sup> of material was required for this initial beach recharge to form the platforms at each of the five new groyne locations.



The beach material was "rainbowed" onto the beach from off shore just before high water and started on 30th July. This activity took 1½ to 2hrs to complete and continued every high water until 9<sup>th</sup> August, just finishing in time before ex-hurricane Bertha arrived.

## What are we telling you about?

Latest update on progress for the £36million Clacton and Holland on Sea Coast Protection Scheme.

## What have we done so far?

Tuesday 22nd July saw the commencement of works on the beach and good progress was made removing the first kilometre of the old concrete and timber groynes. The works started at the Port of London Authority Radar Mast at Holland Haven and moved west towards Cliff Road.

Some of this material has been used to construct a temporary access ramp to the beach at the eastern end of section J beach huts which will allow the construction vehicles to use the unmade access road down the cliff and onto the site.



Following the removal of the existing concrete and timber groynes between Holland Haven and The

## What else have we done?

We have now removed all but one of the old groynes from The Esplanade to Cliff Road. Material from the concrete groynes is being crushed to re-use in the core of the new groynes and the remains of the old timber groynes are being stored in a compound ready for re-use elsewhere in the District.

## What will we be doing next?

The Sospan Dau has returned to "rainbow" more sand/shingle mix onto the beach between The Esplanade/Kings Parade junction and Cliff Road. The vessel will be making around 22 trips over a 12/14 day period

A number of ships have been ferrying rocks to the site, from the quarry in Norway since 27th August. The rocks are then off-loaded on to a barge offshore and brought to the beach at around high water and deposited, near to where each groyne is to be constructed. The rocks are then moved into place by land-based machinery.



## How are the groynes built?

The groyne construction takes place by building out a bund with beach and core material for the dry plant equipment.

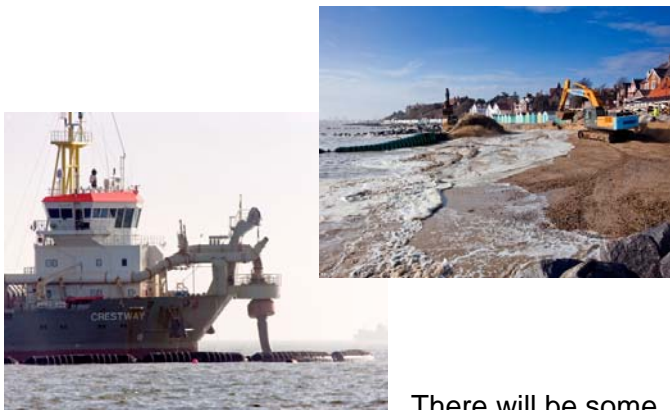
The core material for the groynes will comprise crushed material from the existing structures and also smaller rocks from the quarry. The core material is placed by excavators and covered by a geotextile to form the middle of the structure.



The toe of the structure is excavated first. The geotextile and toe rocks are then placed. Larger rocks are placed over the geotextile to form the fishtail rock groynes.

Each groyne will take roughly two weeks to build (subject to tide and weather conditions of course).

Once the structures have been completed the remainder of beach recharge material, from the same licenced dredge site, will be brought in by large dredging vessel and using a 650m long sinker pipe will form the design beach profile.



There will be some noise associated with this major engineering project and every effort will be made to keep noise and disruption to a minimum.

## When is work taking place in 2014?

25 Aug—Nov/Dec	Rock delivery, groyne construction & main beach recharge
12—18 September	Removal of existing groynes from junction of Esplanade/ Kings Parade to Cliff Road
From 15 September	Sospan Dau returns— temporary beach recharge

*These dates are for guidance only as work is subject to the vagaries of weather and tides*

**To ensure safety at all times, this section of beach and promenade will remain closed until the work for this phase is completed**

## Where can I get more information?

The Visitor Centre, next to Clacton Sailing Club at Holland Haven is currently open at the following times:

Daily 10am—4pm  
(including week-ends)



Visit the TDC website [www.tendringdc.gov.uk](http://www.tendringdc.gov.uk) where regular updates of the works can be found and you can view progress via the time lapse video camera.

Click on the “latest information” image as shown on the right:



## Contact:

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**If you would like this factsheet in larger print or another format please do let us know**

