



**Figure 1: Management Unit 5C (Herne Bay)**

 Blue: Recycling Extraction Point  
 Red: Recycling Deposition Area

The Herne Bay frontage is approximately 6km in length, comprising of a seawall, a promenade and a rear wave wall, fronted by closely spaced timber groynes and a mixed shingle beach to ensure protection of the Management Unit. Urban development occupies a large proportion of this frontage, stretching to the seafront or the edge of the clay slopes. Protection of the amenity assets along this section of the coast is critical. A prominent feature along this frontage is the Neptune Arm breakwater. In addition there is also a short section of rock revetment in the Beltinge area of MU5C. The majority of the defences are considered to be in a good condition.

In the long term, beach narrowing and an increase in sub-aerial cliff weathering is predicted. Subsequently, significant amounts of beach nourishment will be required if an amenity beach is to be maintained and slope protection works will require additional maintenance. This approach will ensure the protection of the commercial and residential areas.

Several shingle recharge schemes have been employed along this Management Unit, involving material being recycled from in front of the bandstand to a location adjacent to the east of the pier, from where it originated. Approximately 5,000m<sup>3</sup> is transported between these locations annually.

## Survey Regime

<b>Survey type</b>	<b>Frequency</b>	<b>Profile spacing/survey extent</b>
Topographic baseline	Annual	50m to MLWS
Topographic interim profile	Spring and Autumn	150m to MLWS
Bathymetry	5 years	50m profiles to 1km offshore
Ortho-photography	5 years	MLW
Aerial photography	Ceased after 2008	MLW
Lidar	Rolling Programme	MLW
Habitat Mapping	5 Years	As Required

*Full details of data availability and extents can be found on the Channel Coast Observatory Website ([www.channelcoast.org](http://www.channelcoast.org))*

## Summary of Beach Operations

Date	Operation	Quantity (m <sup>3</sup> )	Location/Notes
<b>2010</b>			
March 2010	Programmed Maintenance		Deposited between 4a01027 and Herne Bay Pier
March 2010	Programmed Maintenance		Extracted between 4a01027 and 4a01030
March 2010	Programmed Maintenance		Deposited between 4a01021 and 4a01014
March 2010	Programmed Maintenance		Extracted between profiles 4a01022 and 4a01023
<b>2009</b>			
March 2009	Programmed Maintenance	1,650	Deposited between 4a01027 and Herne Bay Pier
March 2009	Programmed Maintenance	1,650	Extracted between 4a01027 and 4a01030
March 2009	Programmed Maintenance	4,100	Deposited between 4a01021 and 4a01014
March 2009	Programmed Maintenance	4,100	Extracted between profiles 4a01022 and 4a01023
<b>2008</b>			
March 2008	Programmed Maintenance	1,530	Deposited between 4a01027 and Herne Bay Pier
March 2008	Programmed Maintenance	1,530	Extracted between 4a01027 and 4a01030
March 2008	Programmed Maintenance	5,100	Deposited between 4a01021 and 4a01014
March 2008	Programmed Maintenance	5,100	Extracted between profiles 4a01022 and 4a01023
<b>2007</b>			
16/03/2007	Programmed Maintenance	5,390	Deposited between 4a01027 and Herne Bay Pier
16/03/2007	Programmed Maintenance	5,390	Extracted between profiles 4a01022 and 4a01023
March 2007	Programmed Maintenance	3,700	Deposited beside pier inside breakwater
March 2007	Programmed Maintenance	3,700	Extracted between 4a01027 and 4a01030
<b>2006</b>			
March 2006	Programmed Maintenance	5,300	Deposited between 4a01027 and Herne Bay Pier
March 2006	Programmed Maintenance	5,300	Extracted between 4a01027 and 4a01030
March 2006	Programmed Maintenance	?	Deposited between 4a01021 and 4a01014
March 2006	Programmed Maintenance	?	Extracted between profiles 4a01022 and 4a01023
<b>2005</b>			
March 2005	Programmed Maintenance	5,880	Deposited between 4a01027 and Herne Bay Pier
March 2005	Programmed Maintenance	5,880	Extracted between 4a01027 and 4a01030
March 2006	Programmed Maintenance	3,300	Deposited between 4a01021 and 4a01014
March 2005	Programmed Maintenance	3,300	Extracted between profiles 4a01022 and 4a01023
<b>2004</b>			
Sept 2004	Programmed Maintenance	5,780	Deposited between 4a01027 and Herne Bay Pier

<b>Date</b>	<b>Operation</b>	<b>Quantity (m<sup>3</sup>)</b>	<b>Location/Notes</b>
<b>2010</b>			
March 2010	Programmed Maintenance		Deposited between 4a01027 and Herne Bay Pier
March 2010	Programmed Maintenance		Extracted between 4a01027 and 4a01030
March 2010	Programmed Maintenance		Deposited between 4a01021 and 4a01014
March 2010	Programmed Maintenance		Extracted between profiles 4a01022 and 4a01023
Sept 2004	Programmed Maintenance	5,780	Extracted between 4a01027 and 4a01030
Sept 2004	Programmed Maintenance	?	Deposited between profiles 4a01021 and 4a01014
Sept 2004	Programmed Maintenance	?	Extracted between profiles 4a01022 and 4a01023

*Full details of beach operations can be obtained from Canterbury City Council  
([strategic.monitoring@canterbury.gov.uk](mailto:strategic.monitoring@canterbury.gov.uk))*