



Figure 1: Management Unit 5A (Tankerton)

○ Blue: Recycling Extraction Point
○ Red: Recycling Deposition Area

The beach within this management unit is mixed shingle. The defences consist of a seawall, promenade and rear wave wall, fronted by timber groynes and a mixed shingle beach. The very eastern extent of the section however has no defences as the spit is consistently moving around the Swale Brook. To the west, the defences are backed by a steeply sloping grass bank. Protection of this management unit is vital to ensure the slopes do not fail as the current sea defences protect the slope toe. This area has previously been prone to landslides and has been defended to prevent such events, with the stabilization of the toe, Herring Bone drainage system and the aforementioned seawall and promenade. Within this management unit there is an offshore strip of shingle “The Street” which interferes with the natural flow of sediment to the west.

The management policy within this unit is ‘Hold the Line’ for Epoch 1, 2 and 3.

Recycling works are needed as the mouth of the Swalecliffe Brook regularly silts up, even more so in recent years than before; and the ever changing spit needs regular maintenance to allow a clear flow out of the Swalecliffe Brook. A capital replenishment scheme was undertaken towards the central and western sections in 2004 to replace groynes and increase beach volumes by 50,000m³.

Survey Regime

Survey type	Frequency	Profile spacing/survey extent
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 in 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)

Summary of Beach Operations

Date	Operation	Quantity (m ³)	Location/Notes
2010			
September	Maintenance Works	3,000	The removal of material within the mouth of the Swalecliffe brook.
2007			
March	Maintenance Works (Recycling)	1,650	Material deposited within a small section of coastline, in front of the eastern beach huts; material extracted from the mouth of the Swale brook.
March	Maintenance Works	4,800	Material deposited between G22/7 to G24/1
2006			
October	Whitstable Capital Scheme	5,500	As part of the Whitstable 2006 scheme, which continued to the east of the harbour, replacing several groynes and the additional material increased the defences.
2004			
Summer	Tankerton Capital Scheme	50,000	This scheme witnessed a large volume of material and several new groynes to maintain good defences.

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