



Figure 1: Management Unit 25 (Bulverhythe)

 Blue: Recycling Extraction Point
 Red: Recycling Deposition Area

Shingle beaches provide a vital element of the flood and coastal erosion defences along the Bulverhythe frontage. Bulverhythe is a stretch of shingle coast, with a sand foreshore; divided by rock groynes throughout. Following the Environment Agency's Bulverhythe Sea Defences Scheme, the frontage is protected by a shingle beach held in place with a series of rock groynes, and two stretches of rock revetments. To the rear of the beach a concrete wall protects the slopes. The structures are designed to protect against breaching and overtopping by storms with a minimum return period of 1 in 200 years, for a period of 100 years (Bulverhythe Beach Management Plan Report, 2009).

The Bulverhythe coastline is managed by the Environment Agency who maintains the frontage as a 'Hold the Line' policy in line with the recommendations of the Shoreline Management Plan (2007), in order to protect the rail/road infrastructure and settlements.

In 2006 the Bulverhythe Sea Defences project was completed for the Environment Agency. The project consisted of the removal of 36 ineffective and dilapidated timber groynes, construction of nine new rock groynes and 700m of rock revetment, and capital recharge of 94,500m³.

Again in summer 2009, seven loads of shingle totalling 5,000m³ were deposited west of the outfall.

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
2009			
08/2009	Maintenance	5,000	
2005			
31/02/2005	Capital works recharge as part of Pett Frontage Sea Defences Year 2 works	50,000 shingle	Deposited between groyne 10 and West G10
October	Capital Scheme	94,000	Deposition between Profiles 4c01459 & 4c01523

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