



Figure 1: Management Unit 3A (Leysdown)

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

This unit covers the clifftop village of Warden, a low-lying area known as ‘The Bay’ and the low-lying village of Leysdown-on-Sea. Along this section of coast a number of management structures are currently in place. The cliffed section of the Warden village has a toe defence structure, which limits but does not prevent erosion. This structure was upgraded in the summer of 2007 to help maintain some protection of the cliff top assets. The low-lying section of Warden is currently defended by a concrete seawall. At the ‘The Bay’ there is a secondary defence (clay bund), whilst at Leysdown-on-Sea there is a concrete seawall and 25m spaced timber groyne.

The short term plan is to upgrade and maintain the current sea defences at Warden to reduce cliff erosion and the risk of flooding, and continue to limit the flood risk at The Bay and Leysdown-on-Sea. In the medium and long term, it is envisaged that the effectiveness of the toe defence at Warden will lessen in light of sea level rise and the gradual deterioration of the structure. During the first two epochs however, there is likely to be a flattening and grassing over of the slope as toe erosion is significantly slowed down. As the upgraded defences begin to deteriorate in the third epoch, toe erosion may be reactivated. This will result in gradually increasing erosion of the backing cliff, which will ensure the geological value is maintained and a sustainable cliff top position is achieved.

No coastal works have been undertaken within this management unit since monitoring began in 2003.

Survey Regime

Survey type	Frequency	Profile spacing/survey extent
Topographic baseline	1 per phase	50m to MLWS
Topographic interim profile	Spring and Autumn	150m to MLWS
Bathymetry	5 years	50m profiles to 1km offshore
Ortho-photography	3-5 years	MLW
Aerial photography	None from 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
No beach material has been recycled since 2003			

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