



Figure 1: Management Unit 14 (Lydd Ranges)

 Blue: Recycling Extraction Point
 Red: Recycling Deposition Area

Lydd Ranges is primarily used as a MoD firing range. No hard defences exist. The first line of defence is a continuous shingle ridge which is artificially maintained by regrading. The second line defence is a clay bund which runs at a shallow angle for most of the management unit. From the western boundary this clay bund is paved; however the slabs are extensively cracked and the crest is undulating. Timber groynes are present but they only cover the western section of the management unit. The eastern section remains undefended, however reprofiling is regularly undertaken to ensure the power stations are not outflanked (South Foreland to Beachy Head SMP, 2007).

Some recycling works have been undertaken to add material to this section of coast. Most volumes of material deposited within this site are on the order of 35-50,000m³.

The management policy is currently 'Hold the Line'; however, realignment areas are being considered for the next 20-100 years (Epoch 2 & 3).

Survey Regime

| Survey type | Frequency | Profile spacing/survey extent |
|-----------------------------|------------------------|-------------------------------|
| Topographic baseline | Annual (when possible) | 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 | | | |
| May | Programmed Maintenance | 48,000 | Deposition between 4c00998 & 4c00938 |
| 2008 | | | |
| Sept | Programmed Maintenance | 545 | Deposition between Profiles 4c00855 & 4c00848 |
| April | Programmed Maintenance | 27,000 | Deposition between 4c00998 & 4c00938 |
| 2007 | | | |
| March | Programmed Maintenance | 21,560 | Deposition between Profiles 4c00869 & 4c00948 |
| 2006 | | | |
| March | Programmed Maintenance | 38,000 | Deposition between Profiles 4c00869 & 4c00948 |
| 2004 | | | |
| March | Programmed Maintenance | 42,350 | Deposition between Profiles 4c00869 & 4c00948 |

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