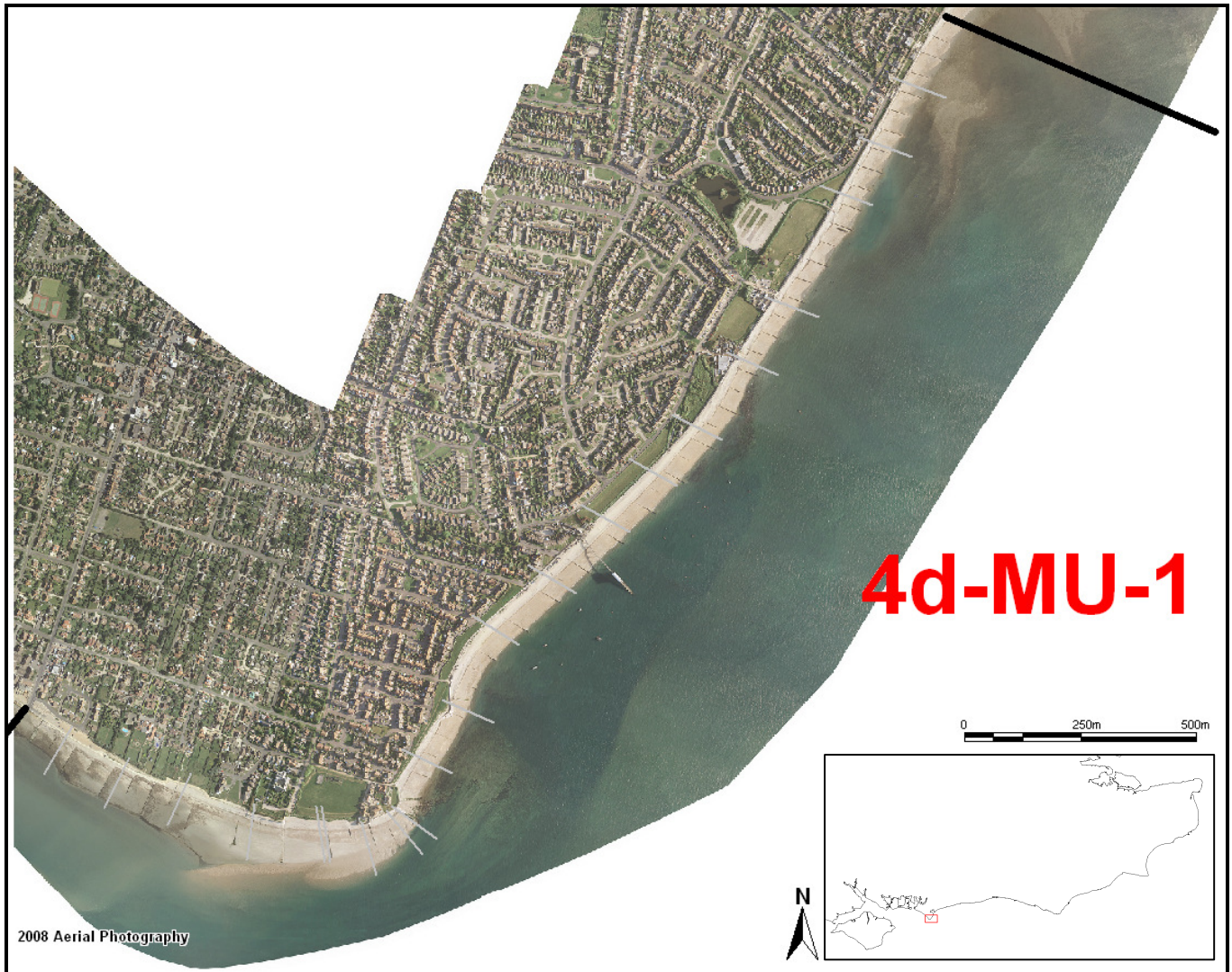


Policy Unit: 4d MU1
Selsey Bill to Church Norton

Topographic Beach Profiles 4d01420 – 4d01499



Summary

Due to its location and orientation, the western aspect of Selsey Bill is exposed and vulnerable to prevailing south-westerly storm winds and waves. As such the shingle beach provides essential protection against flooding and erosion, particularly along the south-western tip.

Overtopping is controlled by a sea wall, with beach material retained by wooden groyne structures, spaced at 45-50m. Beach management in the surveyed area of MU1 is limited to the maintenance of the groyne field and sea wall.

Survey Regime

Survey type	Frequency	Profile spacing/Survey extent
<i>Topographic baseline</i>	5 years	33m to MLWN
<i>Topographic interim profile</i>	Spring and Autumn	141m to MLWN
<i>Topographic post-storm profile</i>	As Required	248m to MLWN
<i>Bathymetry</i>	5 years	50m profiles to 1km offshore
<i>Ortho-photography</i>	3 years	MLWS
<i>Non-rectified aerial photography</i>	Annual	MLWS
<i>Lidar</i>	Rolling Programme	MLWN
<i>Habitat Mapping</i>	5 Years	As Required

Summary of beach operations

Date	Operation	Quantity (m ³)	Location/Notes
2009			
2008			
2007			
2006			
2005			
2004			
2003			

Full details of data availability and extents can be found on the Channel Coast Observatory Website (www.channelcoast.org)