

SMP Policy Unit: 4d-MU4

Survey Unit: 4dSU21

Elmer to Littlehampton Harbour Mouth

Topographic Beach Profiles 4d01080 – 4d01151



Summary

The Aldwick to Elmer frontage is a long, partially sheltered south-southeast facing stretch protecting Bognor Regis, Aldwick, Felpham and Middleton. The beach varies considerably within the Unit in terms of sea defence, shoreline orientation and berm width. Wooden retaining groynes are in place along the entire length of the Unit, with the back of beach varying from concrete sea-wall to rock revetment to no structure. A set of seven large rock-groynes are situated in the centre of the Unit to retain eastward-bound beach material.

Survey Regime

Survey type	Frequency	Survey extent
<i>Topographic baseline</i>	5 years	MLWN
<i>Topographic interim profile</i>	Spring and Autumn	MLWN
<i>Topographic post-storm</i>	As Required	MLWN
<i>Bathymetry</i>	5 years	1km offshore
<i>Ortho-photography</i>	3 years	MLWS
<i>Lidar</i>	2 Years	MLWN
<i>Habitat Mapping</i>	5 Years	As Required

Summary of beach operations

Date	Operation	Quantity (m ³)	Location/Notes
2004			
06/09/2004	River Arun Overspill Removal Scheme	2,070	Extracted from River Arun harbour entrance

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