

SMP Policy Unit: 4d-MU7

Survey Unit: 4dSU18

Littlehampton Harbour Mouth to Rustington

Topographic Beach Profiles 4d01029 – 4d01079



Summary

The Littlehampton Harbour Mouth to Rustington frontage is a south facing stretch backed by residential and commercial properties, with a large accumulation of sand in the western third, where the beach is sheltered by the Harbour Arm. A proportion of this deposition can be attributed to saltation of the sand from the nearby West Beach dunes, where southwesterly winds can be seen to coat at least half of SU18 with sand.

Natural eastward drift of material deposited at the harbour entrance can account for much of the accumulation on the lowest part of the frontage foreshore.

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	Deposited between 4d01038 and 4d01040

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