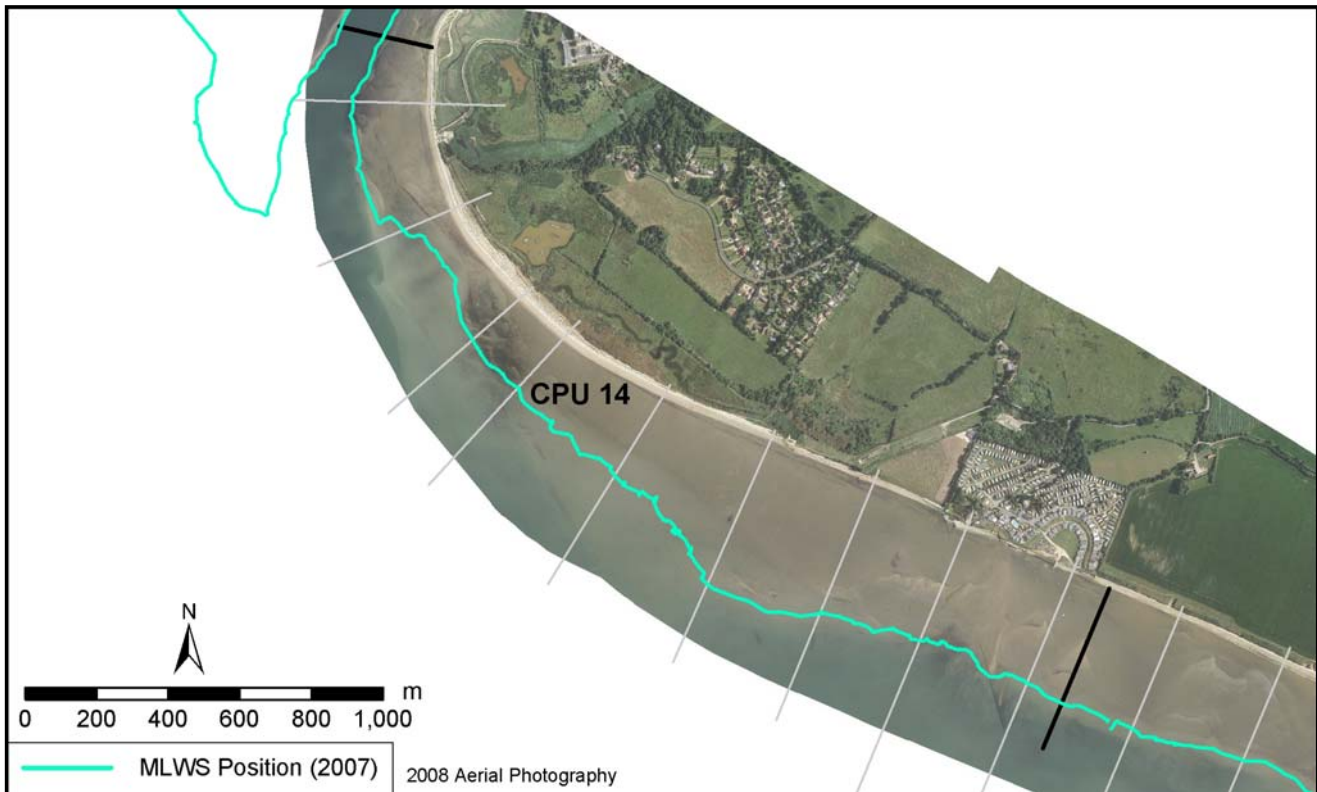


Policy Unit: 5b CPU14

Solent Breezes to Hook Lake

Topographic Beach Profiles 5b00324 – 5b00376



Summary

The wide, muddy inter-tidal foreshore in this unit is backed by a narrow, gravel beach, which is sandier at the eastern end (near Solent Breezes) and with a low, steep, sandstone cliff protected by gabions and boulders. At the eastern end, towards the River Hamble, the cliffed section grades into a lower-lying frontage, protected by a gravel ridge. Sea defences here consist of an eroded seawall. Towards Hook Spit, the shoreline curves and the foreshore narrows with embankments protecting the low-lying land behind. In the past, Hook Spit has extended and re-curved slowly into the Hamble Estuary; its landward portion accreted seawards building a series of low gravel ridges at the neck and enclosing marshy, low-lying land.

Survey Regime

Survey type	Frequency	Profile spacing/survey extent
<i>Topographic baseline</i>	5 years	50m to MLWS
<i>Topographic interim profile</i>	Spring and Autumn	300m to MLWS
<i>Bathymetry</i>	5 years	50m profiles, MLWN to 1km offshore
<i>Ortho-photography</i>	5 years	MLWN
<i>Non-rectified aerial photography</i>	Annual	MLWN
<i>Lidar</i>	5 Years	MLWN
<i>Habitat mapping</i>	5 Years	Extent of aerial photography