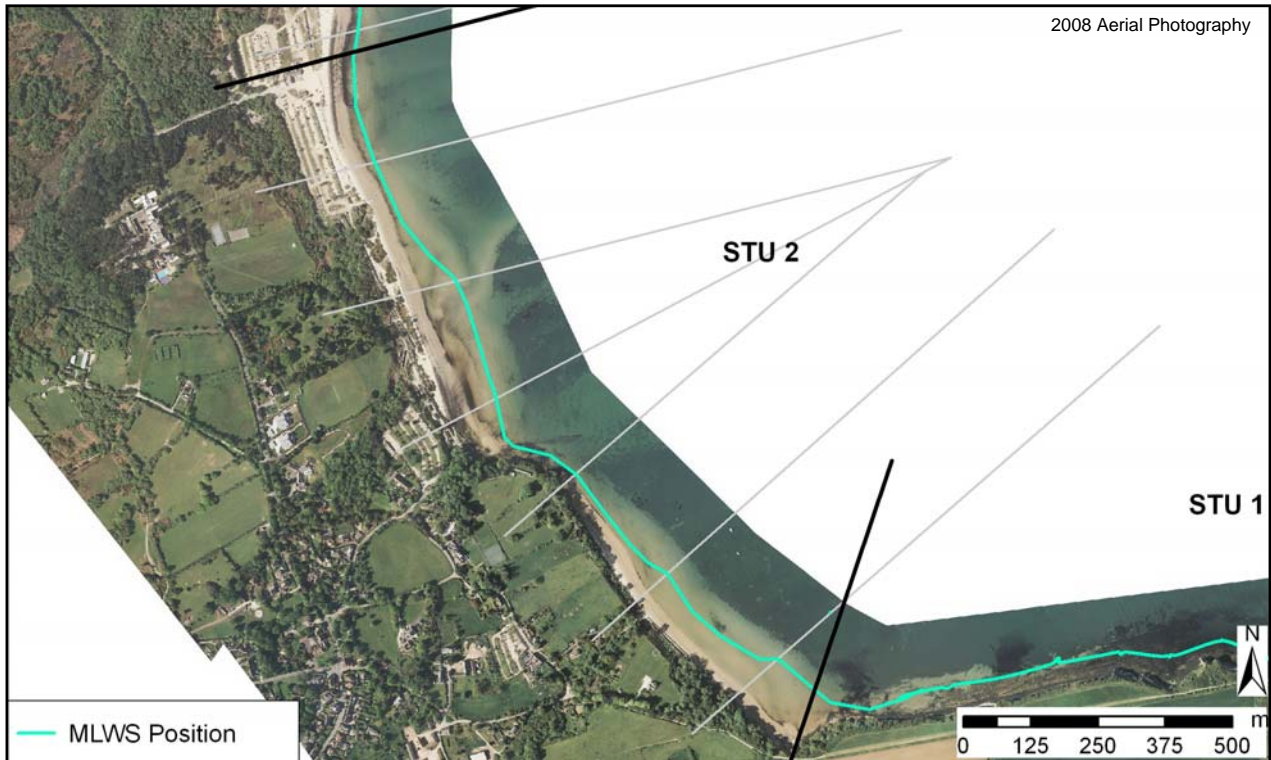


Policy Unit: 5f STU2

Studland Sandspit to The Warren

Topographic Beach Profiles 5f00687 to 5f00711



Summary

The majority of the policy unit is composed of sand, backed by low lying, soft cliffs. Most of the unit is undefended, the exception being below the Middle Beach car park, immediately north of Redend Point, where there are gabions, rock armour and a short seawall. Littoral drift in this area is generally in a northward direction, with erosion of the coastline feeding sediment to the Studland Peninsula, but with much of the clay, silt and fine sand fractions moving offshore as suspended load.

The abrupt change in orientation of the coastline at Warren Wood marks the junction of the softer tertiary sediment that is prevalent in STU2 with the resistant chalk cliffs in STU1, which range up to 26m in height.

Survey Regime

Survey type	Frequency	Profile spacing/survey extent
<i>Topographic interim profiles</i>	Spring and Autumn	250m to MLWS
<i>Topographic baseline</i>	-	-
<i>Bathymetric baseline</i>	5 years	50m to 1km offshore
<i>Ortho-photography</i>	5 years	MLW
<i>Non-rectified aerial photography</i>	Annual	MLW
<i>Lidar</i>	Annual	MLWS
<i>Habitat mapping</i>	5 Years	Extent of ortho-photography