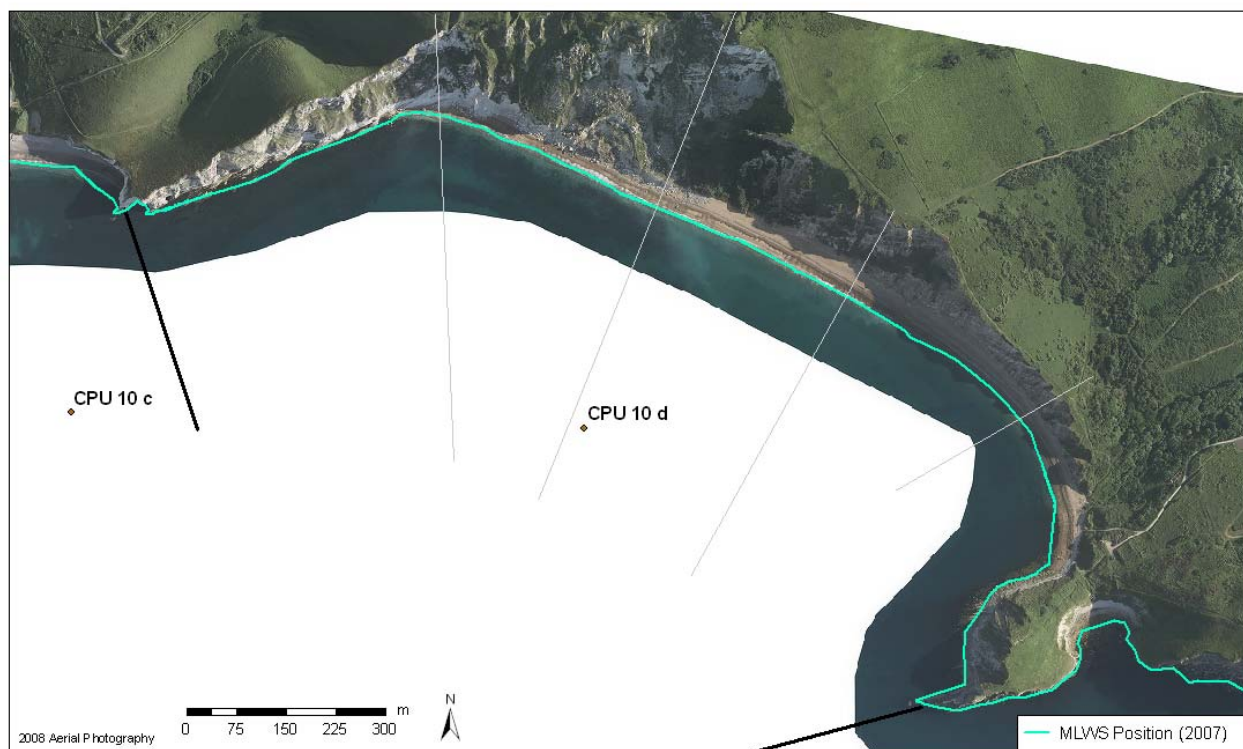


Policy Unit: 5g CPU10d

Worbarrow Tout to Arish Mell (East)

Topographic Beach Profiles: 5g00115 – 5f00141



Summary

Worbarrow Bay represents an embayment in the sea cliff formed following a breach in the seaward limestone ridge, allowing erosion of the softer clay beds that lie behind it. The beach sediment consists predominantly of shingle with some sand. As it narrows towards the western end of the bay the underlying rocks are exposed and this area is also prone to rock falls and slumping of the cliff, contributing boulders and pebbles to the beach sediment. There are no defences present here. The Ministry of Defence operates here and access to the beach is restricted to weekends and school holidays. Accordingly, the annual topographic survey takes place during the summer.

Survey Regime

Survey type	Frequency	Profile spacing/survey extent
<i>Topographic baseline</i>	5 years	50m to MLWS
<i>Topographic interim profile</i>	Summer	400m to MLWS
<i>Bathymetry</i>	5 years	50m profiles to 1km offshore
<i>Ortho-photography</i>	5 years	MLWN
<i>Non-rectified aerial photography</i>	Annual	MLWN
<i>Lidar</i>	Annual	MLWN
<i>Habitat mapping</i>	5 Years	Extent of ortho-photography