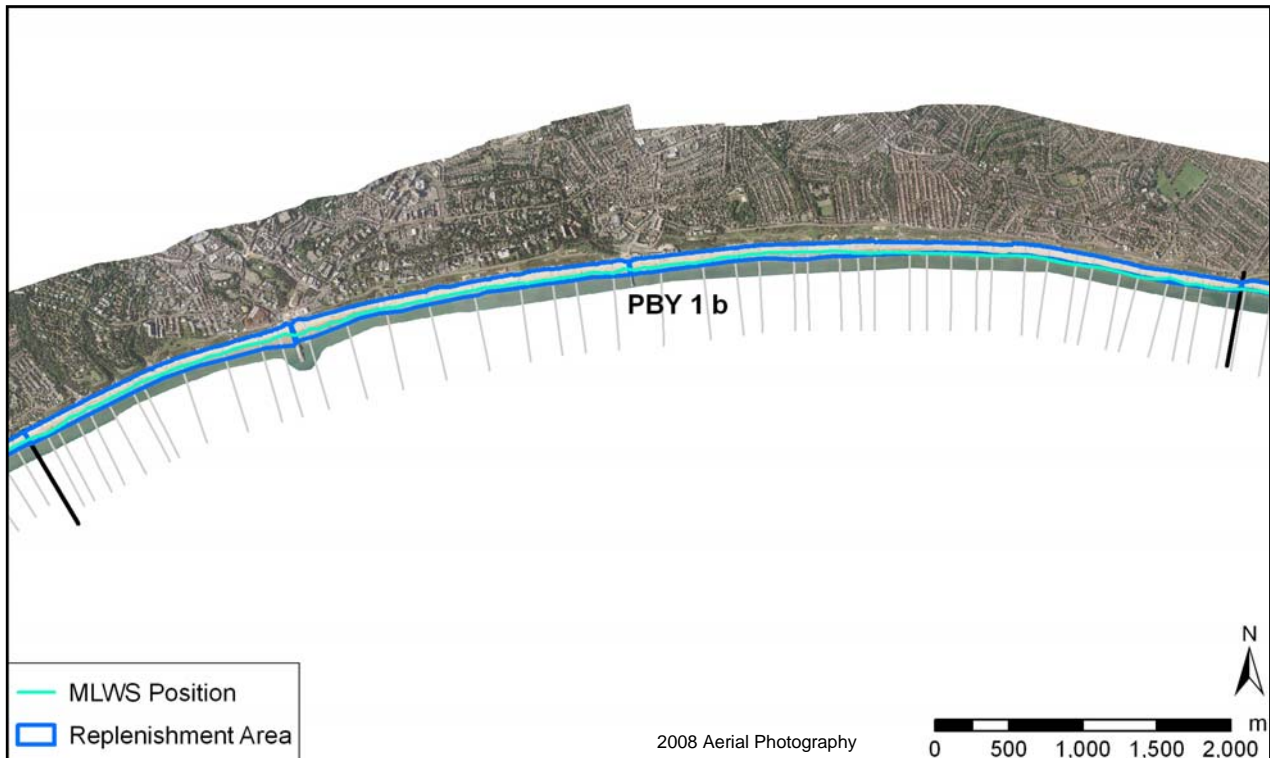


Policy Unit: 5f PBY1b

Point House Café to Bournemouth Boundary

Topographic Beach Profiles 5f00387 to 5f00476



Summary

The entire 8.5 kilometre stretch of beach frontage consists predominantly of sand, but with some sandy shingle areas at the eastern end of the unit. A large concrete seawall runs the length of the unit, protecting the base of the soft, sandy cliffs. Other structures include a series of timber and concrete groynes, positioned at approximately 150-200m spacing apart along the beach. Repair work to two of the damaged pre-cast concrete groynes, in November 2009, included rock armour being placed on the seaward end of groynes 18 and 19 (between the 2 piers).

In addition to these hard structural defences, there is also a long term replenishment programme in operation, referred to as Beach Improvement Schemes (BIS), which has included numerous replenishments and top-ups to the shoreline over the past 40 years.

Survey Regime

Survey type	Frequency	Profile spacing/survey extent
<i>Topographic baseline</i>	Spring	50 - 100m to MLWS
<i>Topographic interim profiles</i>	Spring and autumn	150m - 300m to MLWS
<i>Bathymetric baseline</i>	Spring	50m profiles, MLWN to 1km offshore
<i>Bathymetric interim profiles</i>	Autumn	150m - 300m profiles MLWN to 1km offshore
<i>Ortho-photography</i>	5 years	MLW
<i>Non-rectified aerial photography</i>	Annual	MLW
<i>Lidar</i>	3 years	MLW
<i>Habitat mapping</i>	5 Years	Extent of ortho-photography

Summary of beach operations

BIS = Beach Improvement Scheme

Date	Operation	Quantity (m ³)	Location/Notes
2009			
November	Groyne Repair	-	End of damaged concrete groynes (18 & 19) replaced with rock armour.
2008			
March	Replenishment: BIS4.3	70,000	Groynes 28-32, between Southbourne and Boscombe
2007			
Dec '06- Jan '07	Replenishment: BIS4.2	897,000	Boscombe to Alum Chine
2006			
Jan -Mar	Replenishment: BIS4.1	600,000	Boscombe Pier to Double Dykes (PBY2).
1990			
Jan -Mar	Replenishment: BIS3.3	363,000	Boscombe to Bournemouth
1989			
Jan-Apr	Replenishment: BIS3.1	447,000	Southbourne to Boscombe
Dec 1988- Jan 1989	Replenishment: BIS3.2	190,000	Alum Chine to Bournemouth
1974-75			
Aug 1974 – Aug 1975	Replenishments: BIS2.1 and BIS2.2	1,400,000	Double Dykes to Alum Chine
1970			
1970	Replenishment: BIS1	84,000	Bournemouth Pier to Bournemouth Boundary

Full details of beach operations can be obtained from Bournemouth Borough Council