

SMP Policy Unit: 4d-MU2

Survey Unit: 4dSU23

Church Norton to Pagham Harbour

Topographic Beach Profiles 4d01403 – 4d01419B



Summary

The Church Norton to Pagham Harbour frontage is a sheltered southeast facing stretch with a relatively shallow lower foreshore due to extensive offshore shingle fields. Wooden groynes continue from Selsey until farmland gives way to the Pagham Harbour saltmarsh and tidal mudflats, where a significantly wide shingle berm begins. The Pagham Harbour area is designated a Site of Special Scientific Interest (SSSI), a Ramsar site, a Local Nature Reserve (LNR), a Special Protection Area (SPA), and a Geological Conservation Review (GCR) site.

During Winter 2015/16 the spit breached naturally during stormy weather. Shingle is expected to be carried East onto Pagham beach and potentially to replenish erosion in front of the houses at Pagham.

Evolution of the Pagham Spit from 2003 onwards, can be seen in the following YouTube video:

<https://youtu.be/XwOzM-tCh3w>

Survey Regime

Survey type	Frequency	Survey extent
<i>Topographic baseline</i>	Annual	MLWN
<i>Topographic interim profile</i>	Annual	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

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