

## SMP Policy Unit: 4d-MU15B

### Survey Unit: 4dSU06

## Newhaven Harbour Arm (East) to Seaford Head

Topographic Beach Profiles 4d00129 – 4d00218



### Summary

The Newhaven Harbour to Seaford Head frontage is a directly southwest facing stretch backed by Seaford town, although much of the western third is greenfield and farmland. The orientation of the frontage means that the prevailing southwesterly wind and waves meet the beach head on, causing an unusual drift pattern, from the centre towards both the west and eastern extents. As the western end is delineated by Newhaven Harbour arm and the eastern extent by a large concrete groyne at Splash Point, material from the centre tends to accumulate at either end of the Unit.

The Environment Agency recycles shingle back to the center in volumes ranging between approximately 10,000m<sup>3</sup> and 100,000m<sup>3</sup> per event. In October 2008, 1.5 million m<sup>3</sup> of beach recharge material was imported by barge; it was previously imported by barge in 1987.

## 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

## Summary of beach operations

Date	Operation	Quantity (m <sup>3</sup> )	Location/Notes
<b>2018</b>			
12/03/2018	Annual Recycling Works	25867	Deposited between 4d00140 and 4d00182
19/02/2018	Annual Recycling Works	48156	Deposited between 4d00140 and 4d00182
<b>2017</b>			
30/10/2017	Annual Recycling Works	51134	Deposited between 4d00140 and 4d00182
20/02/2017	Annual Recycling Works	62467	Deposited between 4d00136 and 4d00153
<b>2016</b>			
17/11/2016	Annual Recycling Works	29,953	Deposited between 4d00145 and 4d00183
31/10/2016	Annual Recycling Works	28,127	Deposited between 4d00136 and 4d00178
14/03/2016	Annual Recycling Works	26,950	Deposited between 4d00129 and 4d00131
22/02/2016	Annual Recycling Works	45,417	Deposited between 4d00147 and 4d00183
<b>2015</b>			
30/11/2015	Annual Recycling Works	62,163	Deposited between 4d00161 and 4d00183
03/09/2015	Annual Recycling Works	21,117	Deposited between 4d00161 and 4d00183
23/02/2015	Annual Recycling Works	31,172	Deposited between 4d00136 and 4d00153
<b>2014</b>			
31/03/2014	Annual Recycling Works	103,927	Deposited between 4d00131 and 4d00183
<b>2013</b>			
13/11/2013	Annual Recycling Works	44,267	Deposited between 4d00161 to 4d00178 and 4d00136 to 4d00153
<b>2012</b>			
29/02/2012	Annual Recycling Works	67,371	Deposited between 4d00162 and 4d00183
<b>2010/2011</b> (*extracted Dec 2010, deposited Jan 2011)			
16/01/2011	Annual Recycling Works	102,061	Deposited between 4d00144 and 4d00188
<b>2009/2010</b> (*extracted Dec 2009, deposited Jan 2010)			
10/01/2010	Annual Recycling Works	119,367	Deposited between 4d00144 and 4d00188
<b>2008</b>			
06/10/2008	Annual Recycling Works	10,092	Deposited between 4d00163 and 4d00178
01/10/2008	Beach Recharge Scheme	1,500,000	Material imported by barge
<b>2007</b>			
01/10/2007	Annual Recycling Works	37,441	Deposited between 4d00143 and 4d00153
01/10/2007	Annual Recycling Works	12,734	Deposited between 4d00166A and 4d00180
<b>2006</b>			
01/10/2006	Annual Recycling Works	22,872	Deposited between 4d00135 and 4d00154
01/10/2006	Annual Recycling Works	37,293	Deposited between 4d00157 and 4d00175
<b>2005</b>			

<b>2004</b>			
01/02/2004	Annual Recycling Works	11,100	Deposited between 4d00135 and 4d00154
01/02/2004	Annual Recycling Works	22,200	Deposited between 4d00157 and 4d00175
<b>1995</b>			
01/02/1995	Annual Recycling Works	42,000	Deposited between 4d00157 and 4d00175
<b>1994</b>			
01/02/1994	Annual Recycling Works	33,000	Deposited between 4d00157 and 4d00175
01/10/1994	Annual Recycling Works	82,000	Deposited between 4d00135 and 4d00154
<b>1993</b>			
01/02/1993	Annual Recycling Works	20,000	Deposited between 4d00157 and 4d00175
01/10/1993	Annual Recycling Works	66,000	Deposited between 4d00135 and 4d00154
<b>1992</b>			
01/02/1992	Annual Recycling Works	39,000	Deposited between 4d00157 and 4d00175
01/10/1992	Annual Recycling Works	81,000	Deposited between 4d00135 and 4d00154
<b>1991</b>			
01/02/1991	Annual Recycling Works	40,000	Deposited between 4d00157 and 4d00175
01/10/1991	Annual Recycling Works	58,000	Deposited between 4d00135 and 4d00154
<b>1990</b>			
01/02/1990	Annual Recycling Works	27,000	Deposited between 4d00157 and 4d00175
01/10/1990	Annual Recycling Works	72,000	Deposited between 4d00135 and 4d00154
<b>1989</b>			
01/10/1989	Annual Recycling Works	80,000	Deposited between 4d00135 and 4d00154
<b>1987</b>			
01/03/1987	Beach Recharge Scheme	1,500,000	Material imported by barge

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