

## SMP Policy Unit: 4d-MU9B

### Policy Unit: 4dSU14

## Shoreham Harbour Arm (East) to Aldrington

Topographic Beach Profiles 4d00578 – 4d00644



### Summary

The Shoreham Harbour Arm to Aldrington frontage is a south facing stretch backed by the industrial zone that comprises Shoreham Harbour. The beach has a variety of structures including both wooden and rock groynes, concrete revetment and sea walls in the west and two large outfall structures in the centre.

Shoreham Port Authority import between 5,000m<sup>3</sup> and 10,000m<sup>3</sup> of material twice annually from the eastern extent of SU15 to bypass the Harbour Arm.

Recycled material is placed in the west of the Unit to replenish the shingle banks in two of the largest rock groyne bays. The Beach Management Plan area extends 1km eastwards from the western extent of the Unit.

### Survey Regime

| Survey type                   | Frequency         | Profile spacing/Survey extent |
|-------------------------------|-------------------|-------------------------------|
| <i>Topographic baseline</i>   | 5 years           | MLWN                          |
| <i>Topographic interim</i>    | Spring and Autumn | 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>                  | Rolling Programme | MLWN                          |
| <i>Habitat Mapping</i>        | 5 Years           | As Required                   |

## Summary of beach operations

| Date        | Operation                                       | Quantity (m <sup>3</sup> ) | Location/Notes   |
|-------------|---|----------------------------|--|
| <b>2014</b> |   |                            |  |
| 14/04/2014  | Annual Bypassing Scheme                         | 7,677                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| <b>2013</b> |   |                            |  |
| 11/11/2013  | Annual Bypassing Scheme                         | 8,999                      | Deposited between 4d00642 and 4d00643 and at 4d00641               |
| 15/06/2013  | Shoreham and Lancing Beach Recycling            | 655                        | Deposited Between groynes 17 to 18 near Golden Sands caravan park. |
| 15/06/2013  | Shoreham and Lancing Beach Recycling            | 1665                       | Deposited Between groynes 26 to 28 immediately east of Brooklands. |
| 18/03/2013  | Annual Bypassing Scheme                         | 7,710                      | Deposited between 4d00642 and 4d00643 and at 4d00641               |
| <b>2012</b> |   |                            |  |
| 29/10/2012  | Annual Bypassing Scheme                         | 7,666                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| 23/04/2012  | Annual Bypassing Scheme                         | 7,488                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| <b>2011</b> |   |                            |  |
| 24/10/2011  | Annual Bypassing Scheme                         | 7,143                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| 04/04/2011  | Annual Bypassing Scheme                         | 7,299                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| <b>2010</b> |   |                            |  |
| 24/05/2010  | Black Rock Storm Water Outfall Clearance Scheme | 7,512                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| 24/05/2010  | Annual Bypassing Scheme                         | 5,652                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| <b>2009</b> |   |                            |  |
| 27/10/2009  | Annual Bypassing Scheme                         | 6,711                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| 23/03/2009  | Annual Bypassing Scheme                         | 7,422                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| <b>2008</b> |   |                            |  |
| 10/11/2008  | Annual Bypassing Scheme                         | 7,289                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| 07/04/2008  | Annual Bypassing Scheme                         | 6,100                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| <b>2007</b> |   |                            |  |
| 01/10/2007  | Annual Bypassing Scheme                         | 5,889                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| 01/03/2007  | Annual Bypassing                                | 6,433                      | Deposited between 4d00642 and 4d00643, and at 4d00641              |
| <b>2006</b> |   |                            |  |
| 01/10/2006  | Annual Bypassing Scheme                         | 5,833                      | Deposited between 4d00642 and 4d00643 and at 4d00641               |
| 01/03/2006  | Annual Bypassing Scheme                         | 4,511                      | Deposited between 4d00642 and 4d00643 and at 4d00641               |
| <b>2005</b> |   |                            |  |

|             |   |         |  |
|-------------|---|---------|--|
| 01/10/2005  | Annual Bypassing Scheme                   | 4,631   | Deposited between 4d00642 and 4d00643 and at 4d00641 |
| 01/03/2005  | Annual Bypassing Scheme                   | 5,622   | Deposited between 4d00642 and 4d00643 and at 4d00641 |
| <b>2004</b> |   |         |  |
| 01/10/2004  | Annual Bypassing Scheme                   | 5,533   | Deposited between 4d00642 and 4d00643 and at 4d00641 |
| 01/03/2004  | Annual Bypassing Scheme                   | 5,722   | Deposited between 4d00642 and 4d00643 and at 4d00641 |
| <b>2003</b> |   |         |  |
| 01/10/2003  | Annual Bypassing Scheme                   | 5,722   | Deposited between 4d00642 and 4d00643 and at 4d00641 |
| 01/06/2003  | Shoreham and Lancing Replenishment Scheme | 194,163 | Deposited between 4d00728 and 4d00749                |
| 01/05/2003  | Shoreham and Lancing Replenishment Scheme | 80,501  | Deposited between 4d00713 and 4d00727                |
| 01/03/2003  | Annual Bypassing Scheme                   | 5,667   | Deposited between 4d00642 and 4d00643 and at 4d00641 |

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