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2 June 2017

Sent to all interested tenderers

Dear Sirs,

## **HARWICH MAINTENANCE DREDGING FRAMEWORK 2018 TO 2021**

### **INFORMATION AND RESPONSES TO TENDER QUERIES: No: 1**

#### **DATE OF ISSUE: 2 June 2017**

This letter includes additional information and the responses made to queries received from potential tenderers. It will be updated and re-issued as often as required and will become a complete list of all responses made during the tender period. This letter is available to download from the HHA website at [http://www.hha.co.uk/dredging\\_tender\\_2017](http://www.hha.co.uk/dredging_tender_2017) The final version of this document will be referred to in any contract award.

1. The areas and depths of the areas to be dredged in Lot 3 (Minor works), are as shown on the following drawings, which have been added to the HHA website;
  - Harwich Quay, Navyard Wharf and Shotley: Dredge Layout: No. 8 (March 2017)
  - Mistley Quay: Dredge Layout: No. 9 (March 2017)
2. In the Work Package Document Pack (HHA\_MD\_2017/4\_v1), in the Service Information for Lot 1 works, paragraph 105.3 of SI100, there is reference to average siltation rates as measured by the amount of material removed in the hopper over the years 2014 to 2016. The actual hopper cubic metres of harbour silt (Lot 1) removed over the past years was as follows;
  - 2014: 2,688,000 m<sup>3</sup>
  - 2015: 2,726,000 m<sup>3</sup>
  - 2016: 2,176,000 m<sup>3</sup>

The average of these three years would indicate a siltation rate of closer to 7,000 m<sup>3</sup> per day, but for purposes of future planning, it is considered that 6,000 m<sup>3</sup> per day is a more appropriate figure.

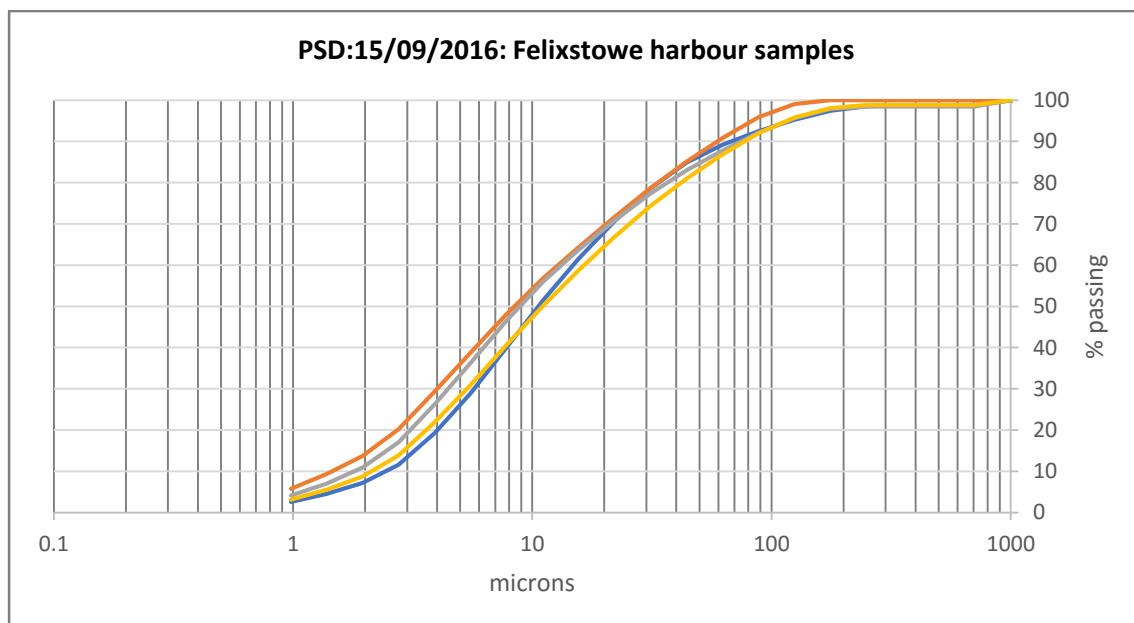
3. In the Work Package Document Pack (HHA\_MD\_2017/4\_v1), in the Service Information for Lot 2 works, paragraph 205.4 of SI200, there is a reference to disposing whilst sailing along

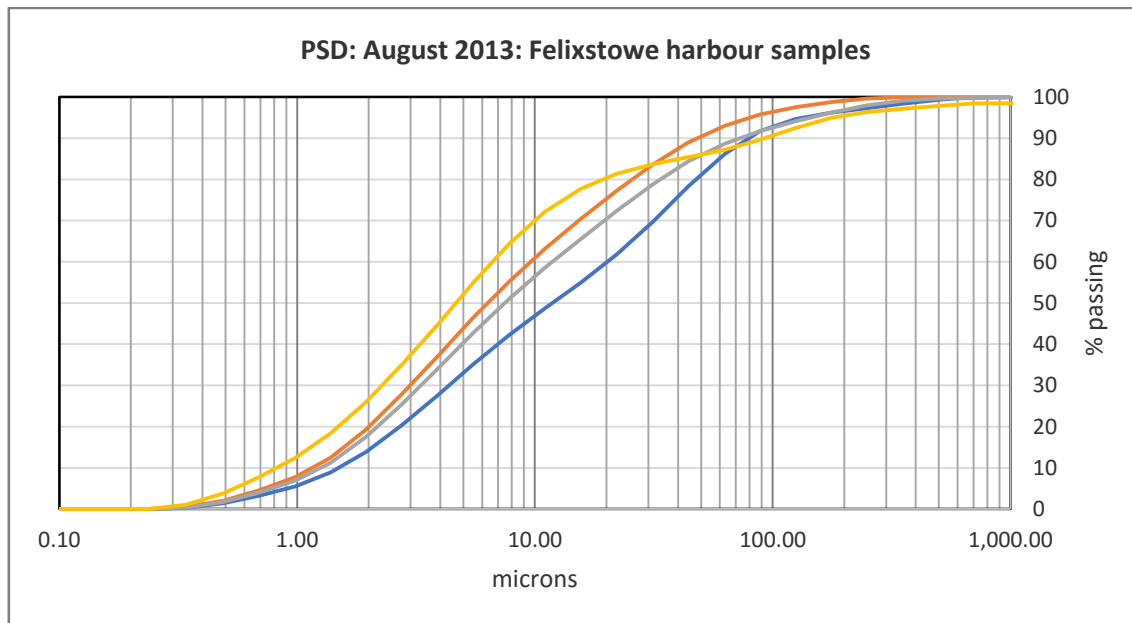
designated tracks. These tracks are detailed on the disposal licence as blocks which are shown on the included drawing. To provide more information about layout and water depths, three additional drawings have been added to the HHA website.

- Sediment Replacement disposal sites: Lot 2: Copperas Bay / Stour North East site: Drawing no. 10 (March 2017)
- Sediment Replacement disposal sites: Lot 2: Erwarton Bay / Stour South West site: Drawing no. 11 (March 2017)
- Sediment Replacement disposal sites: Lot 2: Orwell West and Orwell East sites: Drawing no. 12 (March 2017)

4. In the Work Package Document Pack (HHA\_MD\_2017/4\_v1), in the Service Information for Lot 2 works, clause 205.1 of SI 200, there is a reference to a drawing which shows a typical approximate distribution of material in the harbour where dredging might take place. This reference should be to contract drawing No. 2.

In clause 605.1, there is a reference to a particle size distribution of the material to be dredged and placed which should have been included in the documents. The PSDs below are those referred to in this clause. They were obtained in 2013 and 2016 and show the range of material to be expected. They also represent the material that will be dredged in Lot 1 and Lot 3 works.





Please let us know if any of this information is unclear or you have any questions regarding these or any other matters.

Yours faithfully,

*John Brien*

John Brien  
Harbour Engineer

