

REPORT

Boston Alternative Energy Facility – Environmental Statement

Appendix 16.1 Supplementary Information to Estuarine Processes

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A16 Appendix 16.1: Supplementary Information to Estuarine Processes

A16.1 Particle size analysis of estuary bed samples collected in 2000, 2005 and 2010

A16.1.1 Two sediment samples were collected on 22nd/23rd August 2000 and 16th August 2005 at two locations in the Haven (one immediately upstream of Boston the Facility and one further downstream, **Plate A16.1-1**).

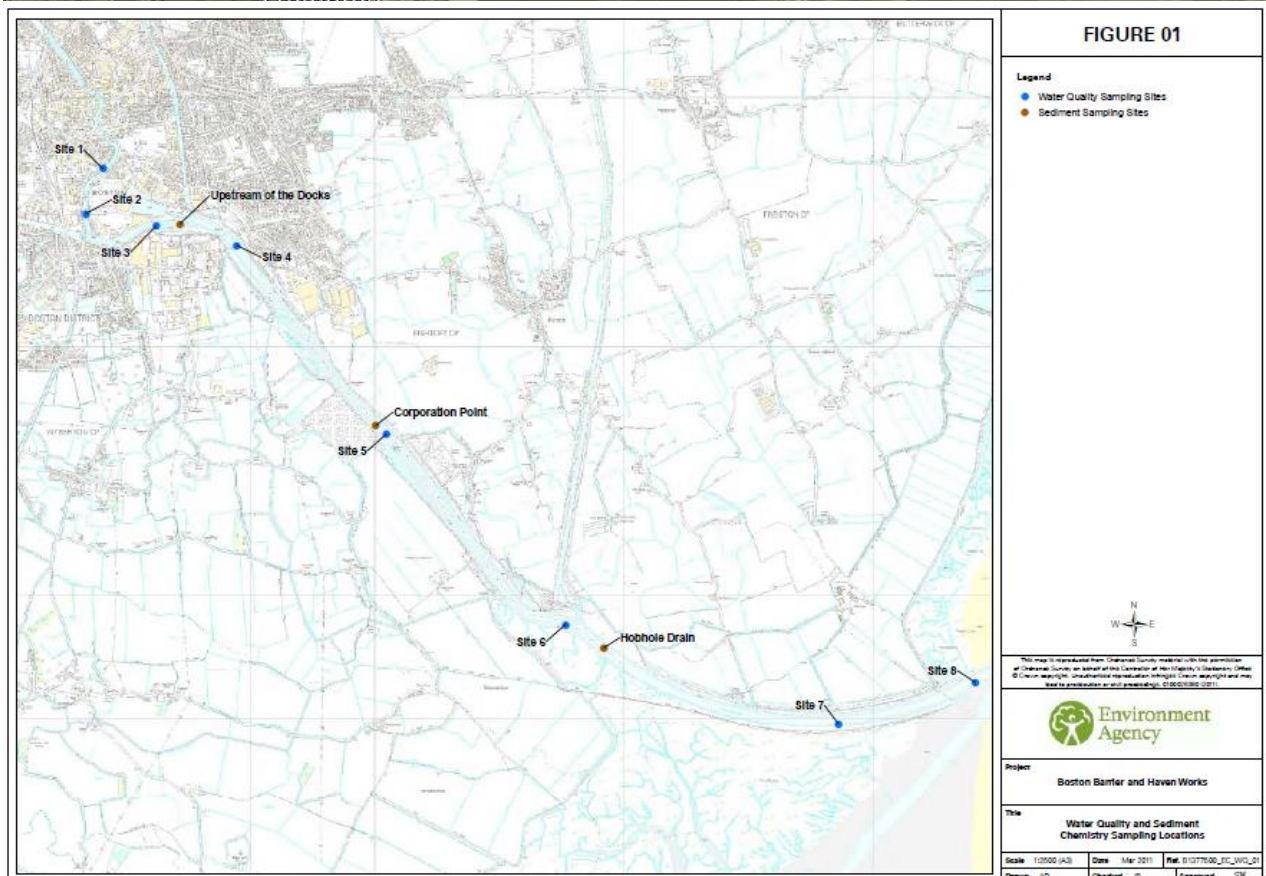
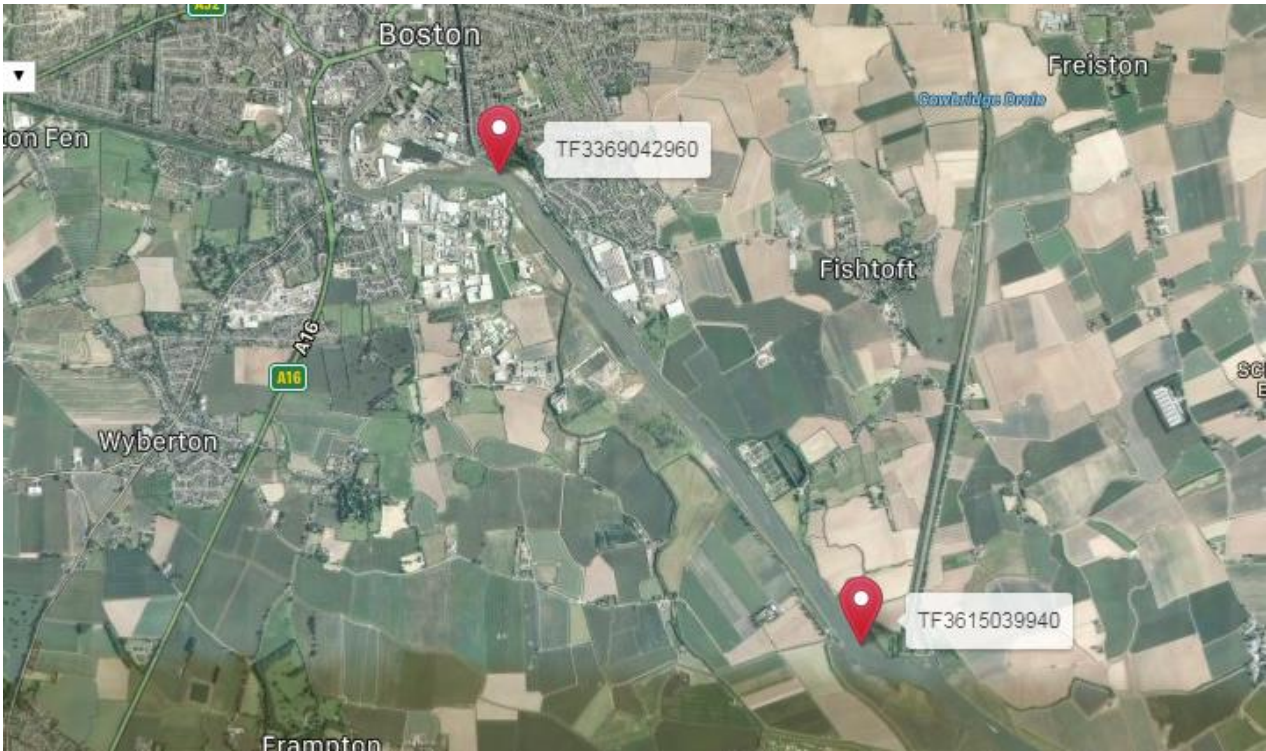


Plate A16.1-1 Location of Surface Sediment Samples Collected in 2000, 2005, and 2010 (Halcrow Jacobs Alliance 2011; Environment Agency 2016b).

A16.1.2 The samples close to the Facility (WITHSC13) recorded median particle sizes of about 0.12 mm (2000) and 0.09 mm (2005) (both very fine sand) and containing about 19% and 32% mud, respectively (**Plate A16.1-2**).

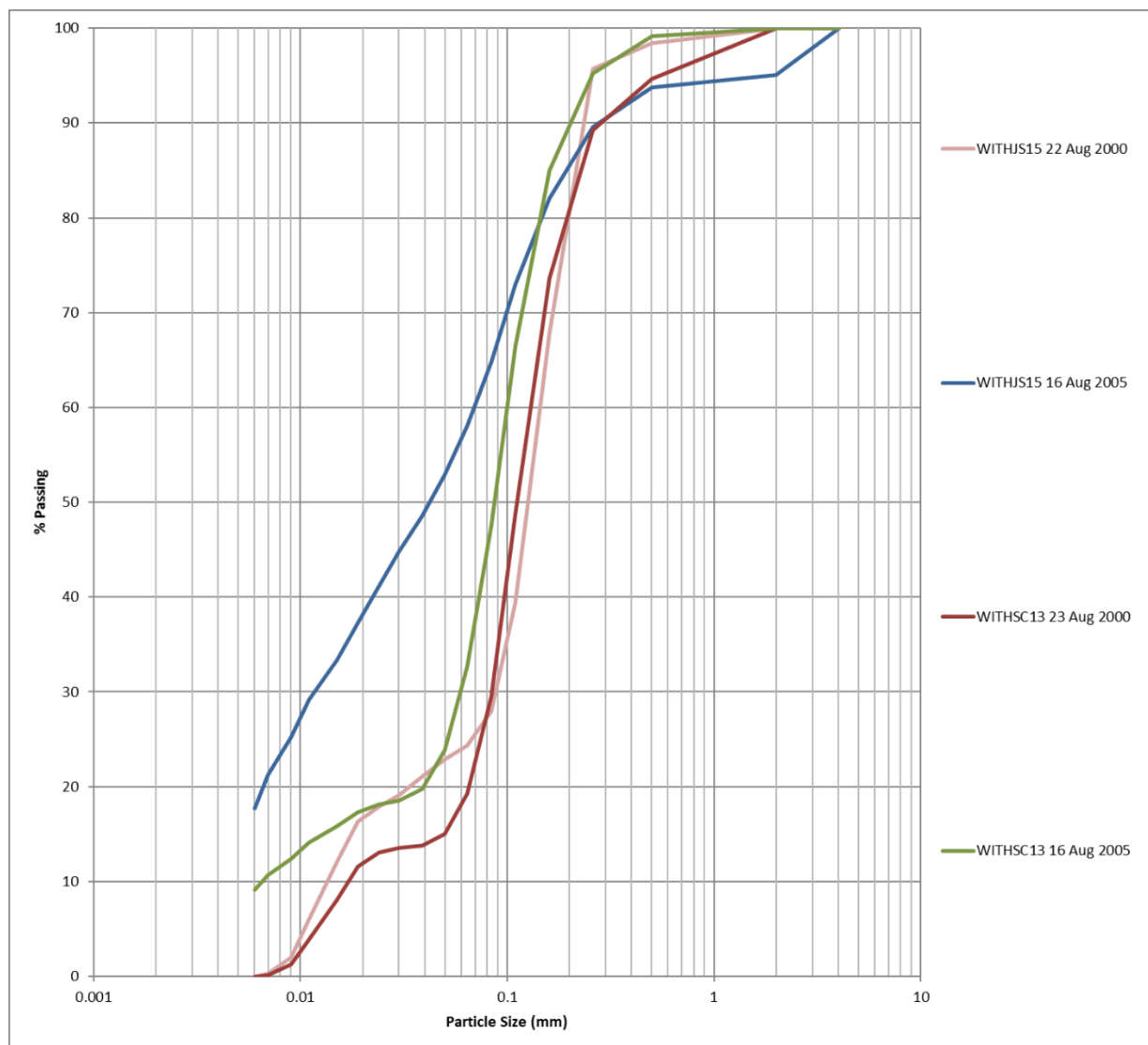


Plate A16.1-2 Cumulative Particle Size Distributions of Surface Sediment Samples Collected in 2000 and 2005. Locations are Shown on Plate A16.1-1.

A16.1.3 Three intertidal and three subtidal sediment samples were collected in the Haven on 29th April 2010 (Halcrow Jacobs Alliance 2011) (one of each at Upstream of the Docks, Corporation Point and Hobhole Drain, **Plate A16.1-2**).

A16.1.4 Particle size analysis was completed on all samples. The nearest sample site to the Facility is Upstream of the Docks, where the median particle size was

0.063 mm (silt/very fine sand) for the subtidal sample and 0.006 mm (very fine silt) for the intertidal sample (**Plate A16.1-3**).

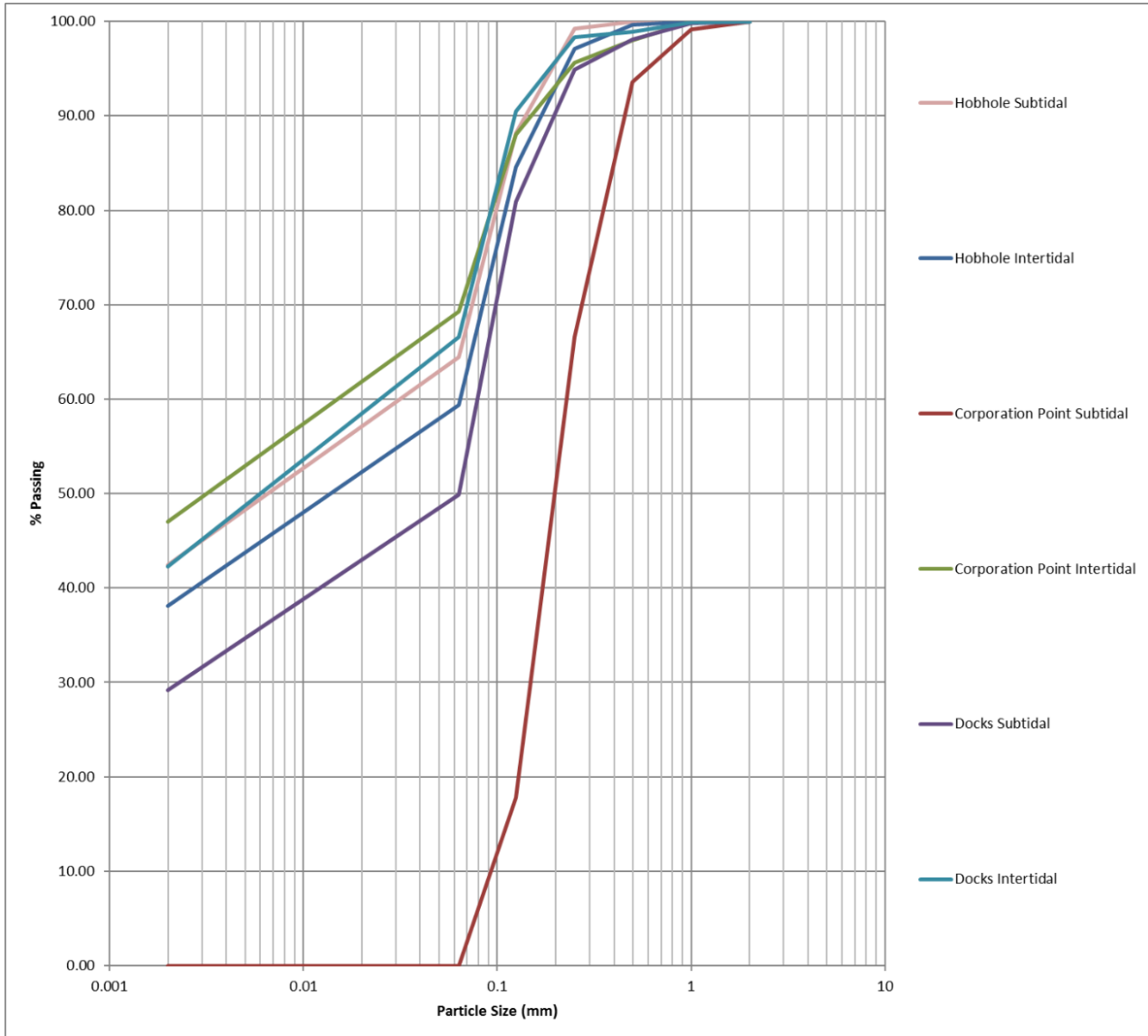


Plate A16.1-3 Cumulative Particle Size Distributions of Surface Sediment Samples Collected in 2010 (Halcrow Jacobs Alliance 2011; Environment Agency 2016b). Locations are Shown on Plate A16.1-1.