



SHORELINE SURVEYS LTD
Hydrographic - Geophysical - Topographic

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TITLE: Bathymetric & Sidescan Sonar Survey of Outer Harbour West - Area 4

CLIENT: Stena Line Ports Limited

PROJECT: Annual Check Survey

Project No: J2393 **Scale:** 1:2500 **Date:** 10.08.24 **Drawn by:** EF, OF **Checked by:** TG

NOTES/REVISIONS: Contours are only indicative of bed topography and should be treated as such. Show data to client supplied.

DO NOT SCALE

StenaLine

BATHYMETRIC SURVEY - MULTIBEAM & SINGLE BEAM

Coordinated in OSGB36, grid shown in WGS84.

Depth below Chart Datum (CD) in metres.

CD taken as 3.05 metres below Ordnance Datum Newlyn (ODN).

RTK GNSS, tidal and IMU data post-processed using PostPAC MMS.

Soundings sorted at 10 metre intervals using IHO rounding rules.

Contours at 1 metre intervals.

Survey coverage is not 100%.

Bed mounted obstructions are not certainly detected.

Soundings in red are above dredge depth of 5.0 metres.

Dredge extents:

SSS - SIDE SCAN SONAR SURVEY

Dimensions are approximate.

Sub-seabed obstructions are not detected.

Side scan sonar survey line spacing: various.

Side scan sonar operated at 325 kHz, various ranges.

Object with ID number (loop) & height relative to seabed.

Please see target list for more information (J2393).

Side Scan Sonar Target List.pdf

For further information please refer to the supplied metadata.

Side scan sonar has been used to interpret seabed mounted targets: Inner Harbour, 11, 12, 13, 14, 15, Refill Berth, Public Quay, Fish Dock, Soldiers Quay, Deep Water Berth, Outer Harbour South and Terminal 3 & 5 approaches.

Targets have not been specifically interpreted for other areas where multibeam has taken place as these targets will be present within the multibeam sounding data. This is the case for New Harbour Approaches, Deep Water Berth Approaches, Deep Water Berth Approaches Extension.

Bathymetry only was collected for Outer Harbour West and New Harbour South.

SCALE

50 M 250 Metres