



**SHORELINE SURVEYS LTD**

Hydrographic — Geophysical — Topographic  
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 email: info@shorelinesurveys.com

PROJECT: Annual Check Survey

CLIENT: Steno Line Ports Limited

TITLE: Multibeam Bathymetric & Sidescan Sonar Survey of Inner Harbour (Western) — Area 1

NOTES/REVISIONS:  
 1. This drawing is a summary of the data collected during the survey and is not a substitute for the original data.  
 2. All dimensions are in metres unless otherwise stated.  
 3. The survey was conducted in accordance with the standards set out in the International Hydrographic Association (IHO) S-44 and S-45.  
 4. The accuracy of the data is dependent on the quality of the equipment used and the skill of the surveyors.  
 5. The data is provided as a best effort and is not guaranteed.

**BATHYMETRIC SURVEY - MULTIBEAM**

Coordinated in OSGB36 using OSN15.  
 Depth taken on 3.0m metres below Chart Datum (CD) in metres.  
 CD taken on 3.0m metres below Ordnance Datum Newlyn (ODN).  
 RIM QINSX, Lidal and MLI data post-processed using PDPAC IAMS.  
 Soundings sorted at 2 metre intervals using IHO rounding rules.  
 Contours at 0.5m intervals.  
 Survey coverage is not 100%.  
 Bed mounted obstructions are not certainly detected.  
 Soundings in red are above dredge depth of 5.5 metres.

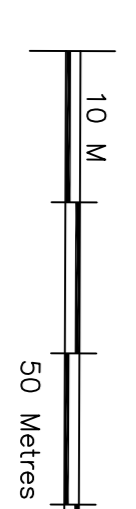
**SSS - Sidescan SONAR SURVEYS**

Depth and backscatter data collected using a Sidescan Sonar (SSS) mounted on the survey vessel. The SSS provides a detailed view of the seabed and can identify potential obstructions and features. The data is presented as a series of lines and patterns, with red indicating areas of high backscatter (likely rocks or other hard objects) and blue indicating areas of low backscatter (likely soft sediments). The SSS data is used in conjunction with the bathymetric data to provide a comprehensive view of the seabed.

Site scan sonar survey line spacing: Variable  
 Site scan sonar survey line spacing: Variable  
 Dimensions are approximate.  
 Sub-sea obstructions are not detected.  
 For further information please refer to the supplied metadata.

Side scan sonar has been used to identify potential obstructions and features. The data is presented as a series of lines and patterns, with red indicating areas of high backscatter (likely rocks or other hard objects) and blue indicating areas of low backscatter (likely soft sediments). The SSS data is used in conjunction with the bathymetric data to provide a comprehensive view of the seabed.

Site scan sonar survey line spacing: Variable  
 Site scan sonar survey line spacing: Variable  
 Dimensions are approximate.  
 Sub-sea obstructions are not detected.  
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SCALE

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50 Metres

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