



SHORELINE SURVEYS LTD

Hydrographic — Geophysical — Topographic
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TITLE: Outer Breakwater (West)

CLIENT: Steno Line Ports Limited

PROJECT: July 2022 Annual Survey

Project No: J2022 Scale: Surveyed by: PL
Drawing No: 14 Date: 1:1250 Jul 2022 Drawn by: EF
Checked by: EF

NOTES/REVISIONS:
1. Original data from 2021 survey.
2. Spot data is color key-coded.

BATHYMETRIC SURVEY - MULTIBEAM

Conducted in OS8888 using CHIRP.
Depth below Chart Datum (CD) in meters.
CD taken on 305 metres below Ordnance Datum Newlyn (ODN).
RTK GNSS, tidal and MUV data post-processed using PuffinC MMS.
Soundings sorted at 5 metre intervals using IHO rounding rules.
Contour at 1 metre interval.
Survey coverage is not 100%.
Bed material obstructions are not certified detected.

(GEOSOUND) SCAN SONAR SURVEY

Soundings presented in depth coded colours.
Sub-seabed obstructions are not detected.
Dimensions are approximate.
Side scan sonar survey line spacing: Various
Multibeam side scan sonar spacing: 400 kHz, various ranges.
MMS data with 10 metre (200) & height (100) soundings.
30 Contours at 1 metre interval.
Limit of side scan sonar survey.

Multibeam side scan sonar:
(Acoustic) has been used to
generate a high resolution
side scan sonar image.
Dimensions are approximate.
Side scan sonar survey line spacing: Various
Multibeam side scan sonar spacing: 400 kHz, various ranges.
MMS data with 10 metre (200) & height (100) soundings.
30 Contours at 1 metre interval.
Limit of side scan sonar survey.