



SHORELINE SURVEYS LTD
Hydrographic — Geophysical — Topographic

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TITLE: Approaches to Terminals 3 & 5 (Area B5X)

CLIENT: Stena Line Ports Limited

PROJECT: July 2022 Annual Survey

Project No: J2095 Scale: Date: Surveyed by: TOJ/PL/WJC
Drawing No: 20 Date: Jul 2022 Drawn by: PL DO NOT SCALE
Checked by: EF COPYRIGHT

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

Stena Line

BATHYMETRIC SURVEY - MULTIBEAM AND SINGLE BEAM
Coordinated in OSGB36 using OSTN15.
Depths 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 4 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 8.0 metres.

— Dredge extents
— MBS55 - SIDE SCAN SONAR SURVEY (SEE NOTE ->)
Dimensions are approximate.
Sub-seabed obstructions are not detected.
Side scan sonar survey line spacing: Various
Multibeam side scan sonar operated at 400 kHz, various ranges.
Object with ID number (top) & height relative to seabed.
Please see target list for more information (J2095 Contacts.xls)

Multibeam side scan sonar (backscatter) has been used to interpret seabed material contacts within Inner Harbour, T1, T2, T3, T4, T5, Fish Lock, Soldiers Quay, Holyhead Marine, Orithia quay.
Contacts have not been specifically interpreted for other areas where multibeam side scan sonar has been taken as these will be present within the multibeam sounding data.
Side scan sonar surveys (with single beam soundings) were executed within Areas 4, 5, 6 & 8 and as such contacts have been interpreted for these locations.