E 224500 E 224750 E 225000 E 225250

N 384500 N 384250 N 384000

SCALE

25 M

125 Metres

SHORELINE SURVEYS LTD

Hydrographic — Geophysical — Topographic

Moreford Hall, Moreton, Dorchester, Dorset DT2 8BA
Telephone: +44 1305 848821 or +44 7950 038317
email@shorelinesurveys.com – www.shorelinesurveys.com

TITLE: Outer Breakwater (Central)

CLIENT: Stena Line Ports Limited

PROJECT: July 2022 Annual Survey

Project No: J2095	Scale:	Date:	Surveyed by:TG,TF,MF,MC
Drawing No: 15	1:1250	Jul 2022	Drawn by: PL
			Checked by: EF

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

DO NOT SCALE
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Stena Line

BATHYMETRIC SURVEY - MULTIBEAM

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 PosPAC MMS.
Soundings sorted at 5 metre intervals using IHO rounding rules.
Contours at 1 metre intervals.
Survey coverage is not 100%.
Bed mounted obstructions are not certainly detected.
Soundings presented in depth coded colours.

MBSSS - 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.
55 / 0.6 Object with ID number (top) & height relative to seabed. Please see target list for more information (J2095 Contacts.xls).
Limit of side scan sonar survey.

Multibeam side scan sonar (backscatter) has been used to interpret seabed mounted contacts within: Inner Harbour, T1, T2, T3, T4, T5, Fish Dock, Soldiers Quay, Holyhead Marina, Orthios Jetty.

Contacts have not been specifically interpreted for other areas where multibeam side scan sonar has taken place 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 and as such all contacts have been interpreted for these locations.