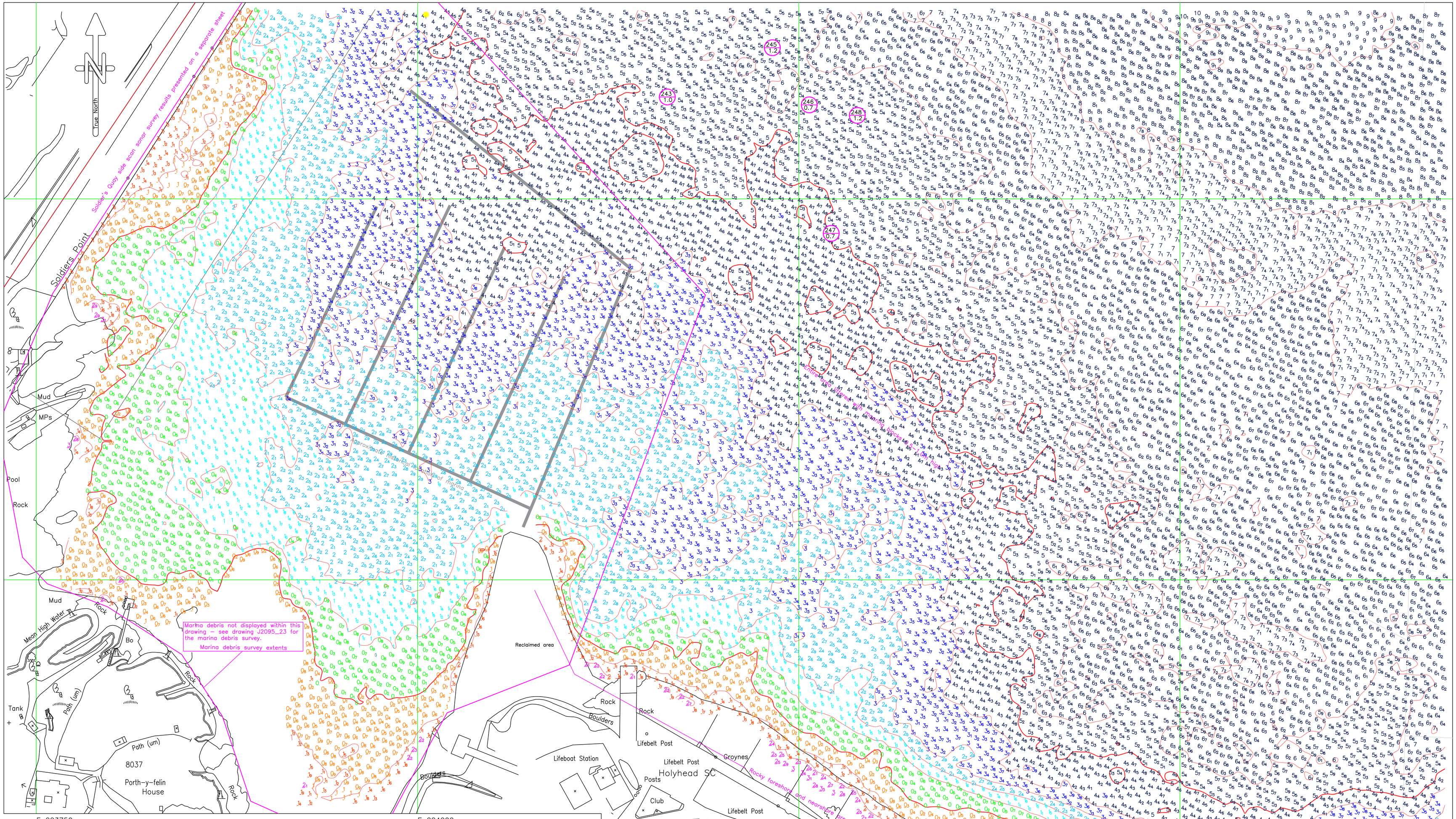


## SHORELINE SURVEYS LTD

Hydrographic — Geophysical — Topographic


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TITLE: Holyhead Marina and Approaches – Area 10

CLIENT: Stena Line Ports Limited

PROJECT: July 2022 Annual Survey

| Project No: J2095 | Scale: | Date: | Surveyed by: TG,TF,MF,MC |
|---|---|---|---|
| Drawing No: 12 | 1:1250 | Jul 2022 | Drawn by: PL<br>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.

Holyhead Marina Extents

## 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.

OS 0.6 Object with ID number (top) & height relative to seabed. Please see target list for more information (J2095 Contacts.xls).

Entire marina site area littered with scattered debris up to 0.5m high.

Marina debris survey not displayed within this drawing – see drawing J2095_23 for the marina debris 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.