



SHORELINE SURVEYS LTD
 Hydrographic — Geophysical — Topographic

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CLIENT: Stena Line Ports Limited
 PROJECT: July 2022 Annual Survey

Project No: J20951 Scale: 1:500
 Date: July 2022
 Drawn by: PL
 Checked by: EF

NOTES/REVISIONS:
 Contours of 0.5m intervals of bed topography shown where data is available.

CO NOT SCALE

Stena Line

BATHYMETRIC SURVEY - MULTIBEAM
 Conducted in OS9888 using CHIRP.
 Depth below Chart Datum (CD) in metres.
 CD taken as 3.05 metres below Ordnance Datum Newlyn (ODN).
 RTK GNSS, tidal and MU data post-processed using PPKC WMS.
 Soundings sorted at 2 metre intervals using HD rounding rules.
 Contours at 0.5 metre intervals.
 Survey coverage is not 100%.

Bad mounted obstructions are not certainly detected.
 Sandbanks in red are above design depth of 8.0 metres.
 (SEE NOTE ->)

MBESS - SIDE SCAN SONAR SURVEY
 (SEE NOTE ->)

Dimensions are approximate.
 Sub-sea bed obstructions are not detected.
 Multiple scan sonar survey line spacing: Vorona
 Multibeam side scan sonar operated at 400 MHz various ranges.
 150m, 200m, 300m, 400m, 500m, 600m, 700m, 800m, 900m, 1000m.
 Side scan sonar survey: Lath angle
 1.5°, 2.0°, 2.5°, 3.0°, 3.5°, 4.0°, 4.5°, 5.0°, 5.5°, 6.0°, 6.5°, 7.0°, 7.5°, 8.0°, 8.5°, 9.0°, 9.5°, 10.0°.
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