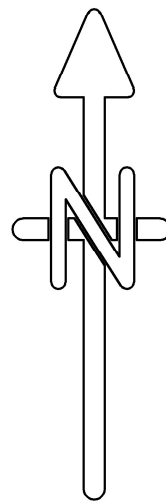


183700 E

183800 E

183900 E



SHEET 03

42800 N

42800 N

42700 N

42700 N

42600 N

42600 N

SCALE  
100 Metres

20 M

183700 E

183800 E

**SHORELINE SURVEYS LTD**  
Hydrographic - Geophysical - Topographic

Battleab, Dorset Innovation Park, Winfrith Newburgh, Dorset, DT2 8GB  
Telephone: 01305 595255  
email@shorelinesurveys.com - www.shorelinesurveys.com

**TITLE:** Multibeam and UAS LiDAR Bathymetric Survey of Malpas to Lighterage Quay - Channel North of Trevaster Point, Truro River

**CLIENT:** Cornwall Council

**PROJECT:** Annual Hydrographic Survey

Project No: J2665 Scale: 1:500 Date: 05.03.26  
Drawing No: 04

Surveyed by: ENAR  
Drawn by: CB  
Checked by: TG

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

MBES survey coverage



**SURVEY NOTES**  
Coordinated in OSGB36 using OSTN15.  
Depths below Chart Datum (CD) in metres.  
CD taken as 2.81 metres below Ordnance Datum Newlyn (ODN).  
Soundings sorted at 3 metre intervals using IHO rounding rules.  
Contours at 0.25 metre intervals.  
Survey coverage is not 100%.  
Bed mounted obstructions are not certainly detected.  
**MULTIBEAM SURVEY**  
Multibeam echosounder: Norbit iWBMS.  
Positioning & IMU: Norbit iWBMS & Applanix Wavemaster II.  
Operational frequency: 400 kHz.  
RTK GNSS, tidal and IMU data post-processed using PostPAC MMS.  
Coverage was collected at 200%.  
**UNMANNED AERIAL SYSTEM LIDAR SURVEY**  
LiDAR: DJI Zenmuse L1.  
Aerial platform: DJI Matrice 300 RTK.  
Scan rate: 180,000 pts/s | Return mode: Dual.  
RTK GNSS and IMU data post-processed using DJI Terra.

Depth Colour Key:



42500 N

183900 E

42500 N

SHEET 03