



SHORELINE SURVEYS LTD
 Hydrographic - Geophysical - Topographic

Battlelab, 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 - Lock Gates to Sunny Corner, Truro River

CLIENT: Cornwall Council

PROJECT: Annual Hydrographic Survey

Project No: J2665 | Scale: 1:500 | Date: 05.03.26 | Surveyed by: EN, AR
 Drawing No: 01 | Drawn by: CB | Checked by: TG

DO NOT SCALE
 COPYRIGHT

CORNWALL COUNCIL

SURVEY NOTES
 Coordinated in USGS86 using USIN15.
 Depths below Chart Datum (CD) in metres.
 CD taken as 2.91 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 IWBM5.
 Positioning & IMU: Norbit IWBM5 & 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.

