



INFOMAR PROGRAMME

MANNIN BAY

SHADED RELIEF ILLUMINATION NORTH EAST 1:50,000

LEGEND

- UTM grid intersection
- 0m contour line

Height (m) 50
Depth (m) 0
 50
 100
 150

Shaded Relief Illumination North East

Azimuth 45°, Angle 35°, Vertical exaggeration 4

DATA ACQUISITION NOTES

- EM2040D data (multibeam) acquired during surveys KRY14_04 (2014) and CV14_02 (2014).
- EM3002D data (multibeam) acquired during surveys KRY12_03 (2012) and KRY10_03 (2010).
- R2SONIC 2020 data (multibeam) acquired during survey GEO14_02 (2014).
- SEA SWATHplus data (multibeam) acquired during survey GEO12_02 (2012).
- LIDAR data (airborne laser) acquired during survey LIDAR_10 (2010).

Acquired survey data and leg reports can be found at www.infomar.ie.

GEODETTIC CONTROL

Spheroid: WGS-84
 Projection: Universal Transverse Mercator, Zone 29 N, CM 9° W

HORIZONTAL CONTROL

CELTIC VOYAGER
 2011 onwards
 Positioning system: C-Nav 3050 receiver with DGNSS corrections.

Pre-2011
 Primary Positioning System: Fugro Starfix 3100LRS receiver, Fugro Starfix HP corrections.
 Secondary Positioning System: Seatex Seapath 200 using Fugro Starfix Spot DGPS corrections.

KEARY
 Positioning system: Applanix POS-MV with DGPS corrections.

GEO
 Positioning system: Applanix POS-MV with DGPS corrections.

LIDAR SYSTEM(S)
 Digital Surveying System: Pelydryn HawkEye IIB (2010)
 Primary Positioning System: Applanix PosAV 410 augmented with Omnistar (2010)

VERTICAL CONTROL
 Source data is reduced to Lowest Astronomical Tide (LAT) based on UKHO Vertical Offshore Reference Frame (VORF).

CHART SCALE 1:50,000

0 1 2 4 Nautical Miles
 0 1 2 3 4 5 6 7 Kilometers

Disclaimer
 This chart is purely representational and is designed for general information and strategic planning only. Chart content is based on data available to the GSI and the MI at the time of compilation. The accuracy of the data used, or interpolations made, is neither stated nor implied. Evaluation of specific sites will normally require further and more detailed assessments and will frequently require site investigations.

NOT TO BE USED FOR NAVIGATION

Chart Reference
 INF16_MA_SR_NE_50_R01

Background Images
 1:210,000 Road Atlas from Ordnance Survey Ireland Licence No. EN 0047208 © Ordnance Survey Ireland/Government of Ireland.
 Land elevation derived from the Shuttle Radar Topography Mission 2000, led by NGA and NASA

© COPYRIGHT, GEOLOGICAL SURVEY OF IRELAND AND MARINE INSTITUTE

REVISION	DATE	DESCRIPTION	DRAWN BY	PROCESSED BY	APPROVED BY
Revision 01	Jan2016	Final	JK	FS/SS	FS