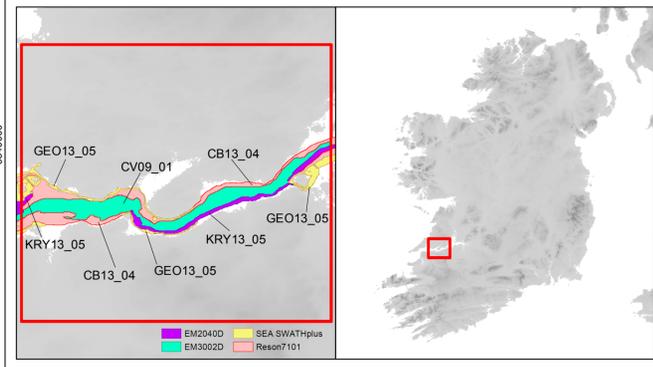




**INFOMAR PROGRAMME**  
**SHANNON ESTUARY**  
**BACKSCATTER CHART 1:50,000 (2 of 3)**



**LEGEND**

- + UTM grid intersection
- ▲ Day Grab
- ▼ VanVeen Grab
- ◆ Shipex Grab
- ◆ Hamon Grab
- ⊕ Grab Sampler
- Gravity Core
- Vibrocore
- ◆ Box Corer
- ◆ Box Corer (Reinek)
- Rock Dredge

**DATA ACQUISITION NOTES**

- EM3002D data (multibeam) acquired during survey CV09\_01 (2009).
- EM2040D data (multibeam) acquired during survey KRY13\_05 (2013).
- SEA SWATHplus data (interferometric sonar) acquired during survey GEO13\_05 (2013).
- RESON 7101 data (multibeam) acquired during survey CB13\_04 (2013).
- Acquired survey data and leg reports can be found at [www.infomar.ie](http://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: Applinix POS-MV with DGPS corrections.

**GEO**  
 Positioning system: Applinix POS-MV with DGPS corrections.

**COSANTOIR BRADÁN**  
 Positioning system: Applinix POS-MV with DGPS corrections.

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



**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  
 INF15\_Sh\_BS\_50\_2of3\_R3

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 Land elevation derived from the Shuttle Radar Topography Mission 2000, led by NGA and NASA

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REVISION	DATE	DESCRIPTION	DRAWN BY	PROCESSED BY	APPROVED BY
Revision 3	Mar 2015	Final	NOB	FS/SS	FS
Revision 2	Sep 2013	Final	NOB	FS/SS	FS
Revision 1	Oct 2009	Final	NOB	VQ/SS	KV

Integrated Mapping for the Sustainable Development of Ireland's Marine Resource

National Development Plan 2007 - 2013