



HCA13-08.5.1Ap

UNITED KINGDOM NATIONAL REPORT



13TH HYDROGRAPHIC COMMISSION of ANTARCTICA (HCA) MEETING

Cadiz, Spain
3 - 5 December 2013

This report supplements the UK Generic National Report, posted on the UKHO website (see www.ukho.gov.uk → About Us → Role & Purpose → UK National Report) and describes UK's activities of direct relevance to the HCA Region.

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1. UNITED KINGDOM HYDROGRAPHIC OFFICE (UKHO)

UK Delivery of Hydrographic Services

1.1 The UK delivery of hydrographic services is described in the UK Generic National Report. However, it is worth highlighting the close liaison which exists between UK's hydrographic office (UKHO) and UK's maritime administration Maritime & Coastguard Agency (MCA) in providing a co-ordinated approach to hydrographic and maritime safety representation both nationally and internationally.

UKHO Governance and Targets

1.2 This is described in the UK Generic National Report, see www.ukho.gov.uk → About Us → Role & Purpose → UK National Report

UKHO Organisation

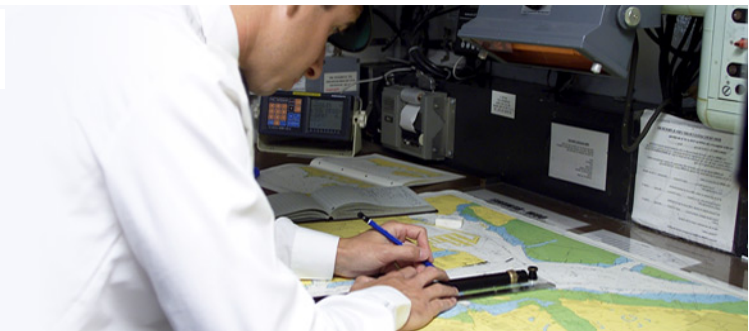


1.3 Details of the UKHO's organization are provided in the UK Generic National Report (section 1) together with general contact details. Specific contact details relevant to the MACHC region are included at the end of this report.

Production Systems

1.4 This is described in the UK Generic National Report.

Cooperation and Partnerships



1.5 The UK is committed to the bilateral arrangements which it has developed in cooperation with other international government hydrographic authorities, covering a range of topics, including the use of copyright data, and also promotes other forms of co-operation between the participants, helping to enhance international maritime safety and protection of the environment.

2. SURVEYS

2.1 Details of the management of civil hydrographic surveys in UK Home Waters are provided in the UK Generic National Report, and on the UKHO website. UK's National Hydrographic Committee (known as the UK Civil Hydrography Annual Seminar (CHAS)) meets on an annual basis and provides the necessary breadth of interests to ensure that all surveying requirements are taken into account when prioritizing the work of the Civil Hydrography Programme (CHP). CHAS was expanded in 2007 to include a much wider range of organisations which conduct hydrographic surveys, and has been considerable successful in promoting co-operation between these organisations.

2.2 Any requests for survey assistance from nations within the HCA region will be assessed within the UK MoD, with advice from UKHO. UKHO can also contribute to project management of hydrographic surveys, and has a post dedicated to the phased development of new international survey activity and capability. It acts as the initial point of contact for UKHO involvement in direct overseas surveying schemes, including UK Overseas Territories and involvement in Regional Hydrographic Commission initiatives. Further information can be obtained from Mr. Sam Harper (samuel.harper@ukho.gov.uk).

2.3 UK Hydrographic Surveys in Antarctica, carried out by HMS Protector during the 2011/12 season are Green Island, Arthur Harbour and Orne Harbour and are shown in figures 1 to 3 respectively:

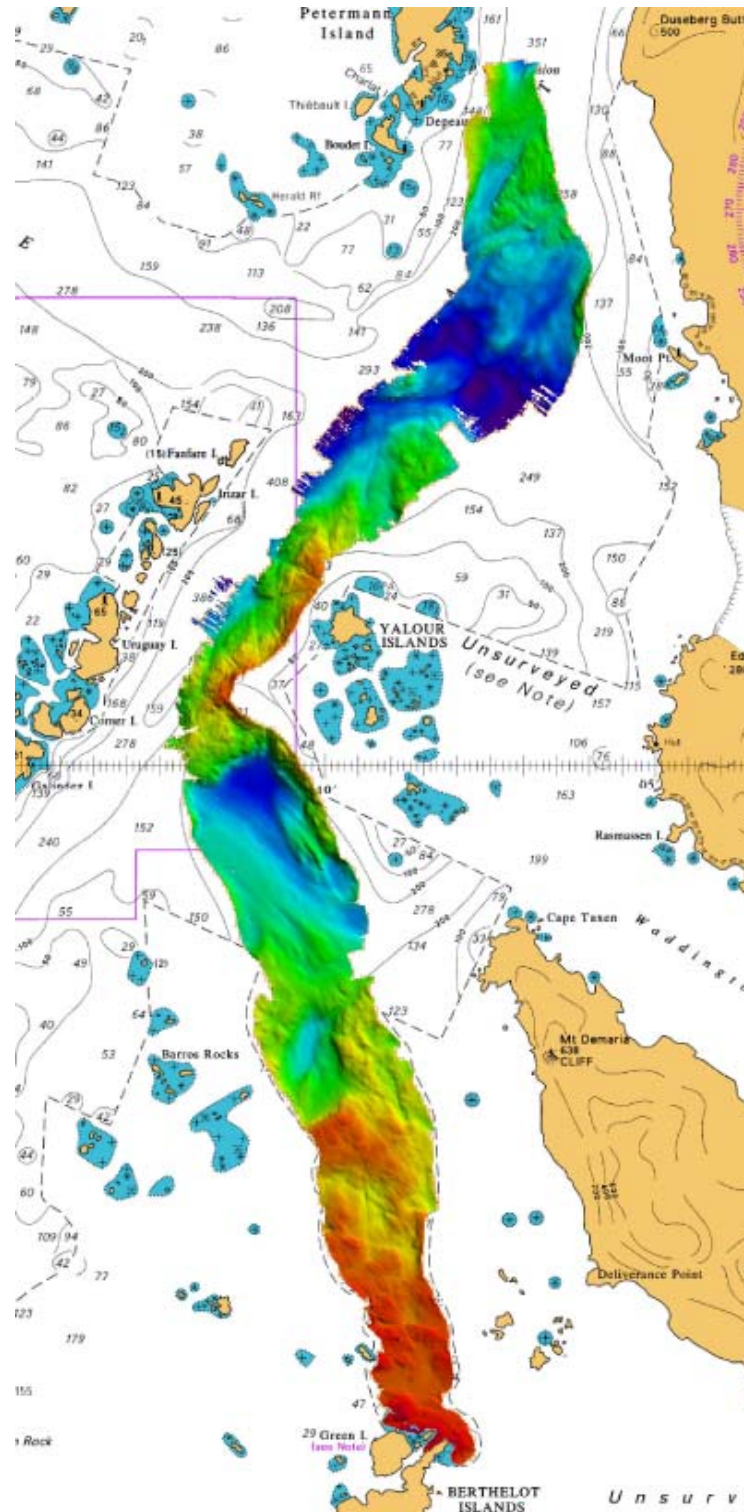


Figure 1 Green Island

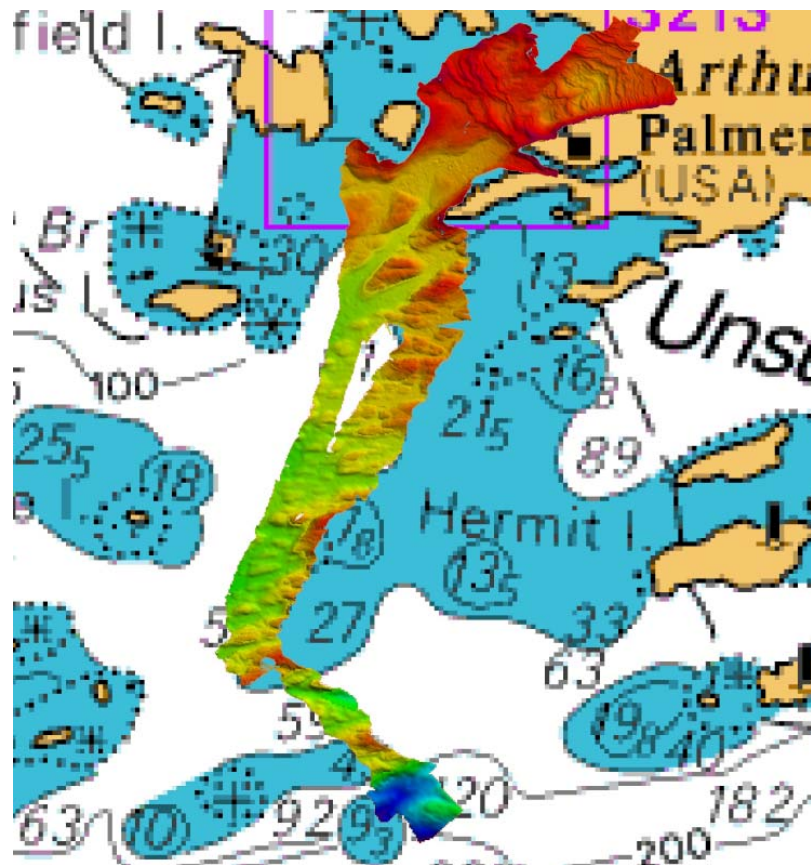


Figure 2 Arthur Harbour

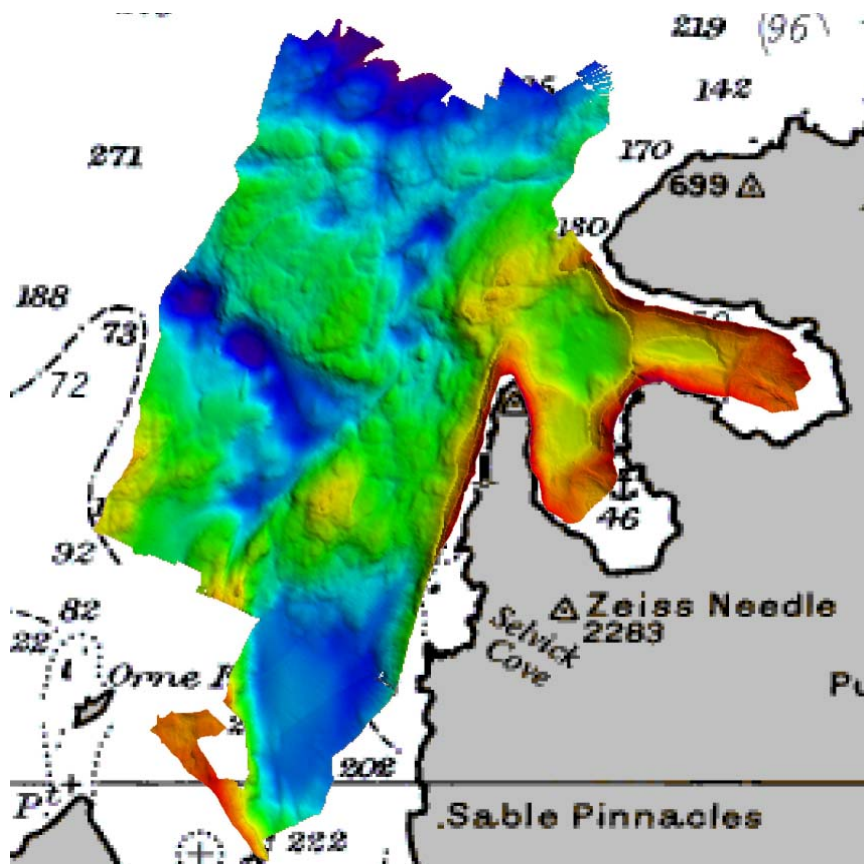


Figure 3 Orne Harbour

3 CHARTS

3.1 UK's Generic National Report provides information on UK's portfolio of chart products and services. The following paragraphs provide information specifically relevant to the HCA region.

Paper Charts



3.2 Information on UK's chart portfolio is provided on the UKHO website. The following paragraphs provide information specifically relevant to the HCA region.

No new charts or full new editions have been published since the last HCA meeting.

The following charts are in the work programme for preparation during the next twelve months:

- INT9132 Grandidier Channel
- INT9107 Pendleton Strait

Digital Charts



3.3 As noted in section 3.1, UK's Generic National Report provides information on UK's portfolio of chart products and services. The following paragraphs provide information specifically relevant to the HCA region.

ENCs

3.4 Within the HCA Region, UK has published 18 ENC cells and 2 cells are in progress.

The breakdown of ENC's by usage band is shown in Figure 4, usage band 1 in figure 5 and usage band 3 to 5 coverage in figure 6.

HCA Region	
ENC Usage Band	Number of GB ENC's
Usage Band 1	9
Usage Band 2	0
Usage Band 3	5
Usage Band 4	2
Usage Band 5	2
Usage Band 6	0
Total Number of ENC'S	18

Figure 4 Breakdown of GB ENC cells by usage band.

GB ENC cells within the Hydrographic Commission on Antarctica
Week 46 - 2013

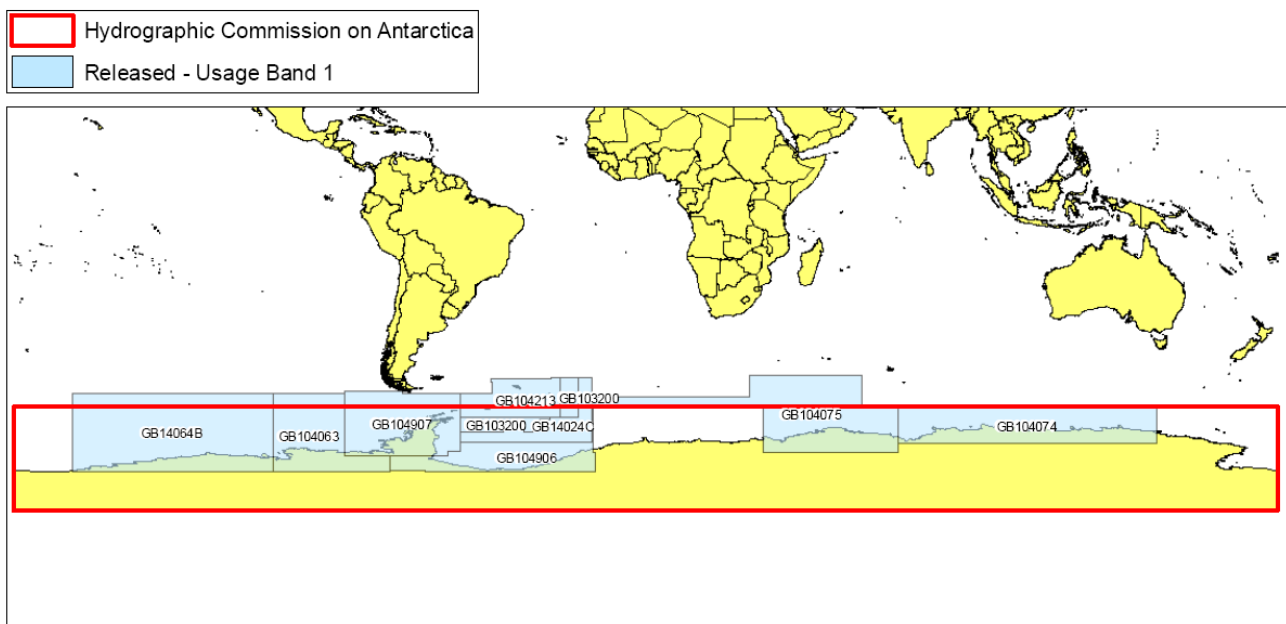


Figure 5 GB ENCs in usage band 1.

GB ENC cells within the Hydrographic Commission on Antarctica Week 46 - 2013

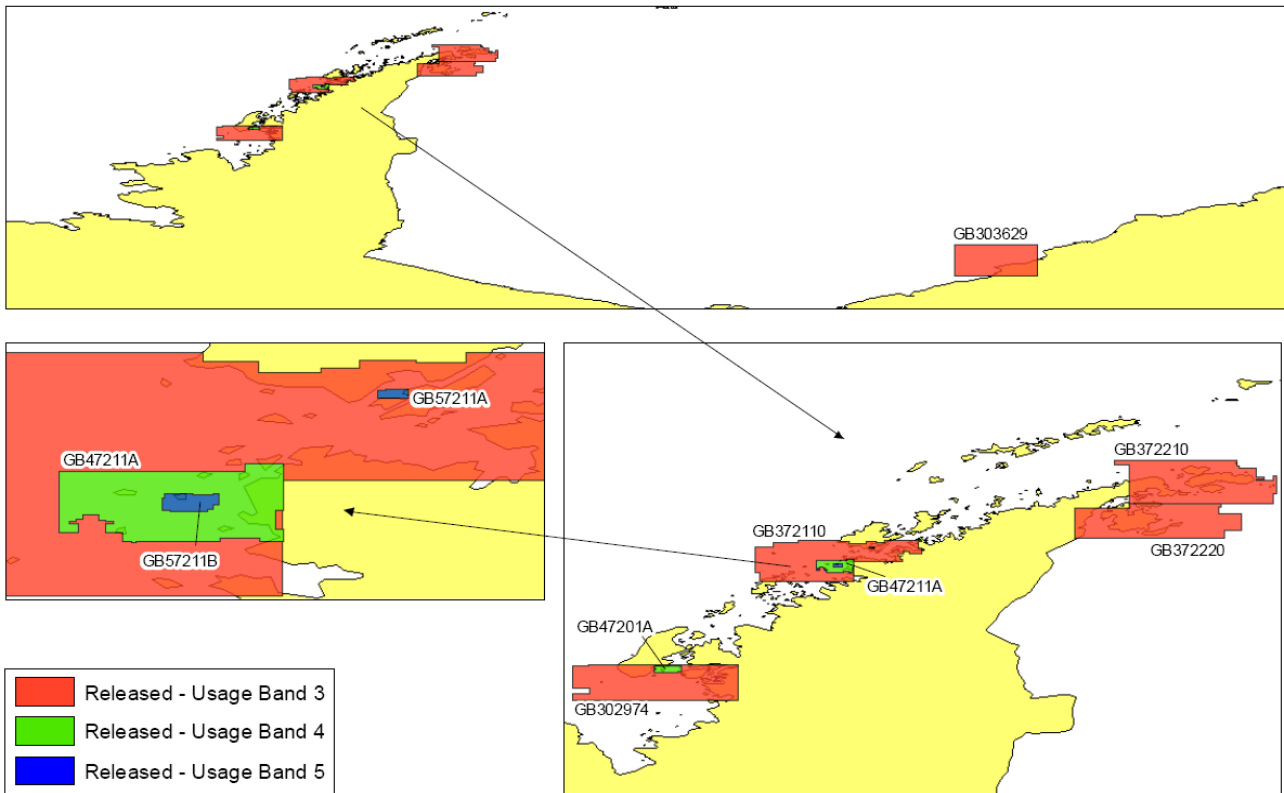


Figure 6 GB ENCs in usage bands 3 - 5.

ENC Distribution

3.6 The UKHO, along with other European hydrographic offices, was a founder member of the IC-ENC RENC. IC-ENC (International Centre for ENCs) concentrates its efforts on the validation and consistency of ENC data and leaves the marketing of ENCs to the shipping industry to its value-added resellers and chart agents. Additional details can be found on the IC-ENC website (www.ic-enc.org).

4. PUBLICATIONS

4.1 Paper Publications



The status of Admiralty Sailing Directions in the HCA region is as follows:

The current edition of NP 9, Antarctic Pilot, was published in 2009. The next New Edition of this publication is due to be released in September 2014.

4.2 Digital Publications



The UKHO continues to develop digital equivalents to its existing paper publications; these have advantages to the mariner of providing additional functionality and minimising the task of updating.

4.3 The Admiralty digital catalogue may be downloaded free from the UKHO website (www.ukho.gov.uk); it includes details of all paper and digital charts and publications and is updated weekly. It is a useful tool to check on the ENC coverage within the region and to show the latest edition dates of both charts and publications.

5. MARITIME SAFETY INFORMATION



5.1 The UK's principal responsibility within the HCA region is for its British Antarctic Territory.

5.2 The HCA region lies within NAVAREAs VI, VII, X, XIV and XV, co-ordinated by Argentina, South Africa, Australia, New Zealand and Chile respectively. The UKHO maintains close liaison with all coordinators in the region and any information, received at UKHO, which requires urgent promulgation, is passed to the appropriate NAVAREA co-ordinator.

5.3 The current Admiralty weekly Notices to Mariners are planned to be supplemented by daily updates and will be available on UKHO website from January 2014 onwards.

6. C-55 LATEST UPDATE

6.1 As described in the UK Generic National Report, the UKHO is committed to providing regular updates to the C-55 entries for UK Home Waters and its Overseas Territories, including British Antarctic Territory within the HCA area. For the latest update see C-55; we have incorporated the additional breakdown of chart coverage (percentage of metric and WGS84 charts) as requested in IHO Circular Letter 102/2008.

6.2 UK has also provided assistance to update C-55 entries to other countries, where the UKHO retains the primary charting responsibility, recognizing that local input remains critical to the maintenance of C-55 as an up-to-date and authoritative reference document.

7. CAPACITY BUILDING

7.1 As described in the UK Generic National Report, the UK is committed to fully supporting the IHO CBSC strategy. In particular UK continues to progress getting Phase 1 and appropriate

Phase 2 capacity in place, to enable coastal states to meet their obligations under SOLAS Chapter V Regulations 4 and 9. UK will continue to contribute resources to both CBSC initiatives and to providing bilateral assistance. Further information on UKHO capacity building initiatives can be obtained from Mr. Jeff Bryant, UKHO Capacity Building Manager.

7.2 No new capacity building initiatives relating to the HCA region have been undertaken since the last HCA.

7.3 Cartographic Training provided by UKHO



A general description of training provided by UKHO is included in the UK Generic National Report. Further details of the training opportunities offered by the UKHO can be found on the UKHO website.

7.4 ENC Training and Assistance



The UKHO strongly supports the successful uptake of ECDIS using ENC, and is happy to assist other nations to produce, maintain and distribute ENCs. Details of courses, sponsorship, venues and options for bespoke training provided by the UKHO are included in the UK Generic National Report.

7.5 Survey Training at Flag Officer Sea Training - Hydrography, Meteorology and Oceanography (FOST-HM)

Nationally and internationally certified courses delivered by FOST-HM in Plymouth, are described in the UK Generic National Report.

8. OCEANOGRAPHIC ACTIVITIES

This is described in the UK Generic National Report.

9. OTHER ACTIVITIES

UK Celebrations for World Hydrography Day (WHD)

The IHO theme for the 2013 World Hydrography day:

“Hydrography - underpinning the blue economy”

The UK WHD event was held at the National Oceanography Centre (NOC) in Southampton in conjunction with NOC, ABP Southampton and the Maritime and Coastguard Agency (MCA), reflecting the theme for this year “Hydrography – Underpinning the Blue Economy”.



A networking event, which involved subject matter experts and exhibition material, followed presentations by senior representatives from all four institutions which led onto an open forum session. Guests were been invited from across the maritime sector to highlight the value of hydrography to the UK Economy.

During the evening, the Alexander Dalrymple Award for outstanding contribution to hydrography was presented to William Heaps (Assistant marine Adviser & Hydrographic Manager, ABP). William received the award stating he felt it represented all the good work done in the commercial hydrographic sector. The award is a symbol of recognition for outstanding dedication and contribution to hydrography and as such is an extremely prestigious award in this sector. It takes its name from Alexander Dalrymple who established the UK Hydrographic Office in 1795 and is regarded as a leading figure in the history of the development of hydrography.

10. CONCLUSION

The UKHO continues its commitment to carrying forward hydrographic activities through the work of the IHO's Regional Hydrographic Commissions, and notes that each commission has its own particular opportunities and challenges.

UK commitment to the Antarctic and the HCA has been reinforced through the recent surveys and work of HMS PROTECTOR. This vessel will continue to carry out all the functions of an Antarctic patrol ship, involving close links with the UK FCO, the UKHO and the BAS. The present challenges facing HCA are those of co-ordinating both the diverse data gathering being undertaken by different nations, and the provision of adequate chart coverage for the region. The provision of adequate ENC coverage, in support of the IMO carriage requirement for ECDIS that comes progressively into force from 2012, presents a significant challenge in the HCA region as well as others.

Taunton, November 2013

UKHO POINTS OF CONTACT

UKHO Website: www.ukho.gov.uk

The general UKHO address is:

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