

IHO Hydrographic Committee on Antarctica (HCA)  
12<sup>th</sup> Meeting, Montevideo, Uruguay, 10-12 October 2012

## REPORT BY THE NAVAL HYDROGRAPHIC SERVICE

MINISTERIO DE DEFENSA  
SERVICIO DE HIDROGRAFIA NAVAL



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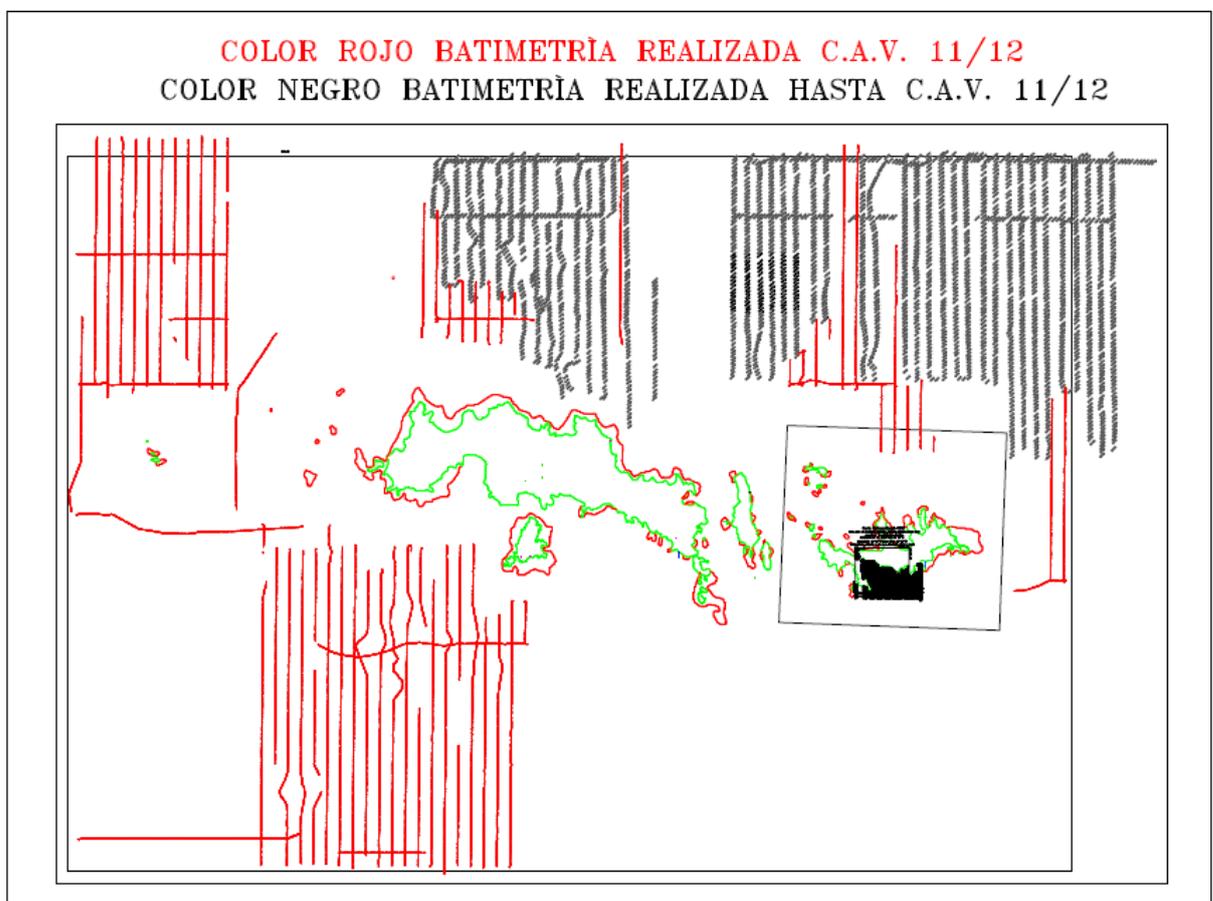
# 1-HYDROGRAPHIC OFFICE

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## 2- SURVEYS

Survey and processing of bathymetric data collected by the oceanographic ship ARA “Puerto Deseado” based on INT 9140, on “ Orcadas del Sur” Islands during the summer cruise 2011-2012 with single beam echo sounder, completing what had been carried out during the previous summer campaign:



RED Surveyed Area: C.A.V 11/12

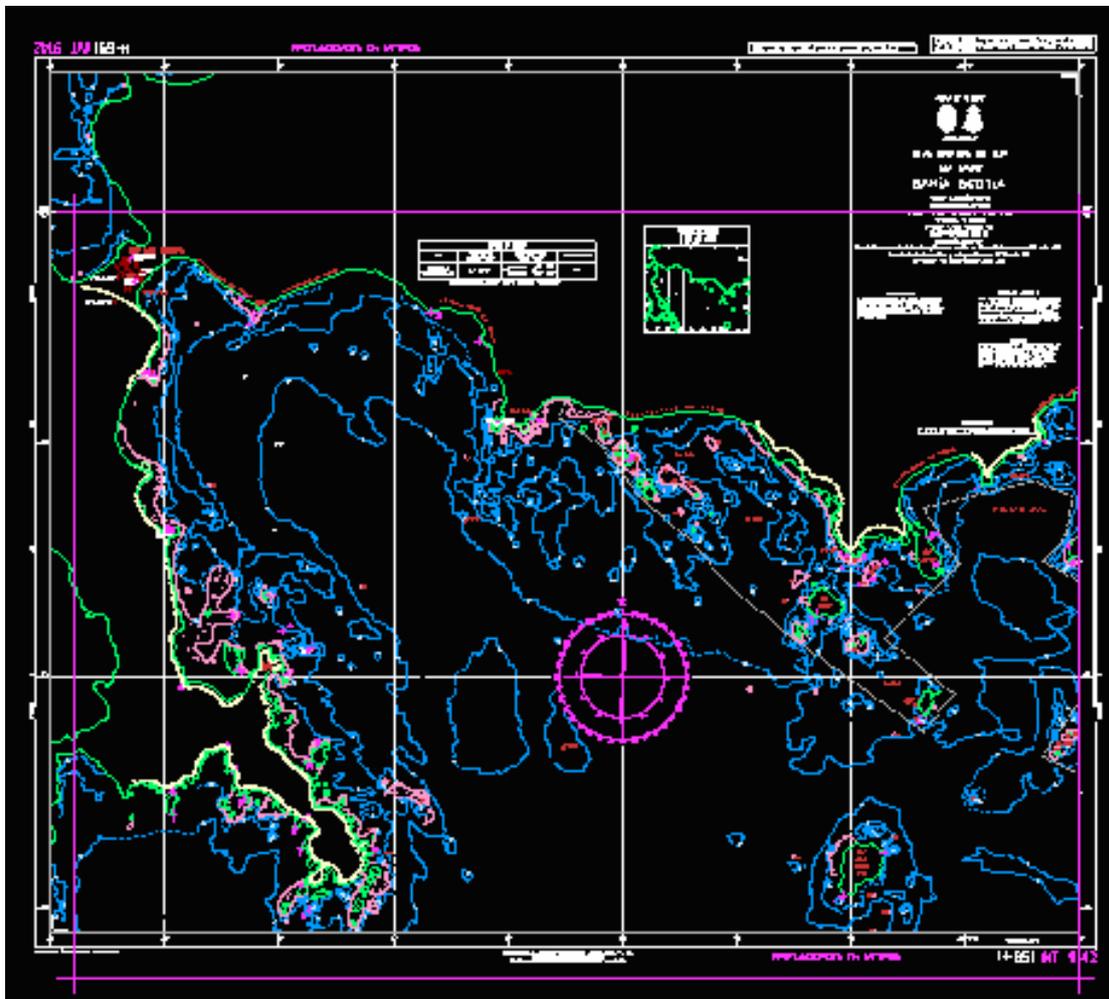
BLACK Surveyed Area: until CAV 10/11

### Problems detected.

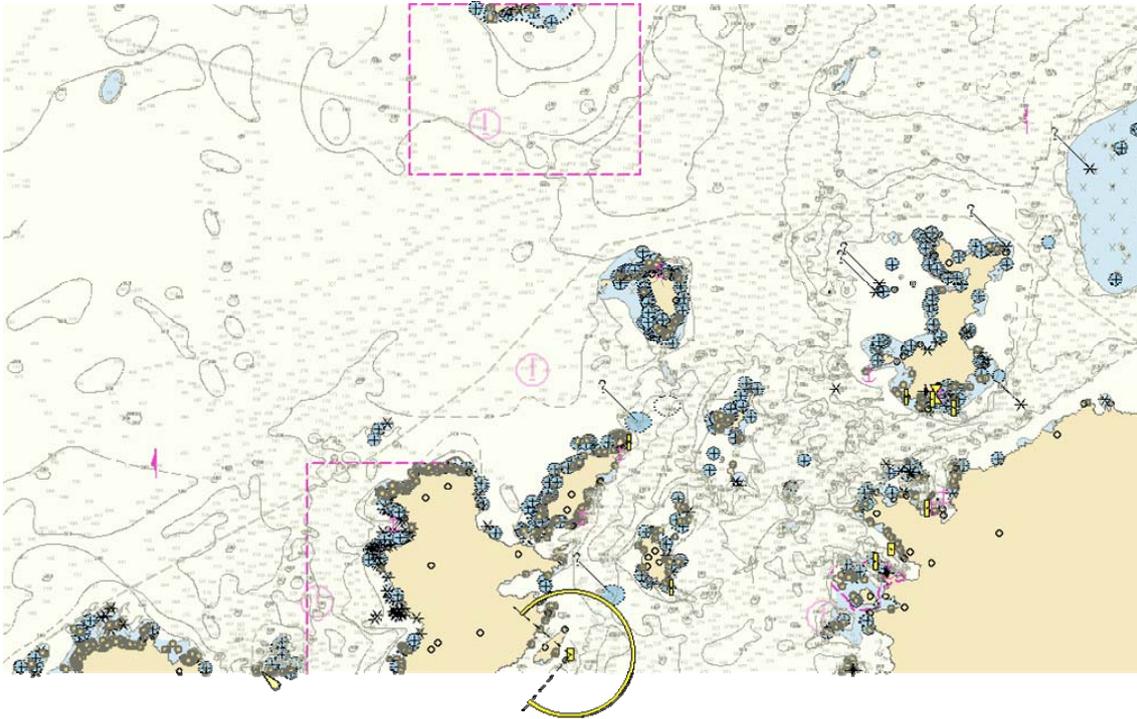
At a previous meeting Argentina reported the situation of the Icebreaker A.R.A. “ALMIRANTE IRIZAR”, which is still under repair. This problem still reduces drastically our survey capability.

### 3- NEW CHARTS & UPDATE

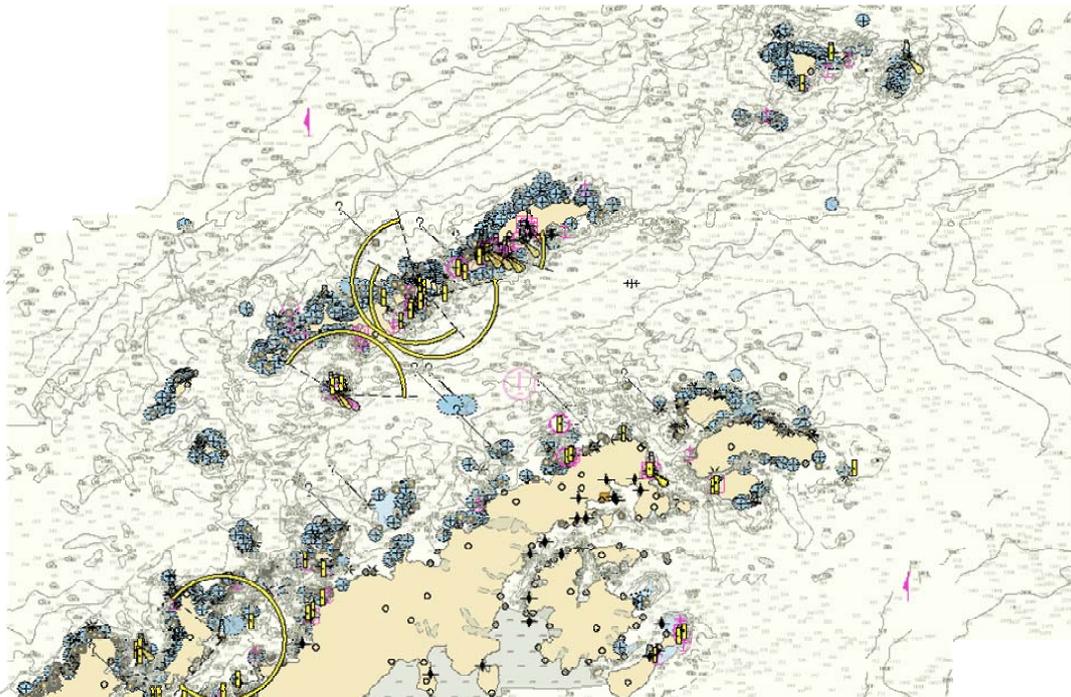
-Chart H-651 / INT 9142, South Orkney Islands -Laurie Island - Scotia Bay, Esc 1: 10000, (with the new boundaries, already reported to the HCA11) is now available.



- ENC(AR 307240) based on INT 9156 and the national Chart H-724 is being encoded and it will be edited in Nov 2012 through IC-ENC.



- ENC (AR 207000) based on INT 9170 and the national Chart H-700 is being encoded and it will be available for 2013.



-The publication of INT 9101 and INT 9111 and their respective ENC's are planned for 2013.

## **4- NEW PUBLICATIONS & UPDATES**

Permanent update of Nautical Publications issued by the “Servicio de Hidrografía Naval” (the Naval Hydrographic Service). In particular the publications on the Antarctic Area:

H – 205 Derrotero Argentino Parte V. “Antártida y Archipiélagos Subantárticos Argentinos y Suplemento” (Sailing Directions Part V. Antarctica. H-205).

H – 213 Faro y Señales Marítimas Parte III. “Tierra del Fuego, canales e islas adyacentes, Islas Malvinas y Antártida Argentina y Suplemento” ( Lighthouses and Maritime Signals Part III H-213 )

## **5- MSI**

### **-Existing infrastructure for transmission.**

- Structure in accordance with the area assigned by IMO (NAVAREA VI).
- Transmissions made through Safety NET – INMARSAT – “C” at a pre-established schedule.
- Navigational warnings with ice edges and plotting of drifting icebergs, broadcasted through Safety Net (INMARSAT).

### **-New infrastructure in accordance with GMDSS.**

None.

### **-Master Plan.**

None.

### **-Problems encountered.**

None.

## **6- S-55**

Last update: 2006

## **7- CAPACITY BUILDING**

-The XXIII<sup>rd</sup> Course on Antarctic Navigation was held in Buenos Aires this year, with the support of “Dirección de Educación Naval” of the Argentine Navy. Officers from the Argentine Navy, Foreign Navies and Merchant Navy attended the course successfully. The syllabus included –in addition to the specific matters on maritime safety-navigation and maneuvers in these latitudes, sea-ice areas with huge icebergs, national and international legislation, treaties and environmental protection, inter alia.

## **8- OCEANOGRAPHIC ACTIVITIES**

### **-General**

Survey and processing of bathymetric data, magnetometer data, surface temperature, conductivity (salinity) and CTD stations collected by the oceanographic ship ARA “Puerto Deseado” in “Orcadas del Sur” Islands area and in transit.

### **-GEBCO/IBC Activities**

-Review and harmonization of geographical and undersea feature names at Argentinean Antarctic Sector in contribution to SCAGI-SCAR and other National Organizations.

-Participation in the Group Editor of the International Bathymetric Chart of Southern Ocean, under the auspices of IHO/IOC GEBCO.

### **-Tide Gauge Network**

Tidal gauge station at Esperanza Base is out of service.