

HCA12-07.4Ap

**IHO Hydrographic Committee on Antarctica (HCA)
12th Meeting, Montevideo, Uruguay, 10-12 October 2011**

**REPORT BY THE HYDROGRAPHY, OCEANOGRAPHY and
METEOROLOGY SERVICE of the URUGUAYAN NAVY (SOHMA)**



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1-HYDROGRAPHIC OFFICE

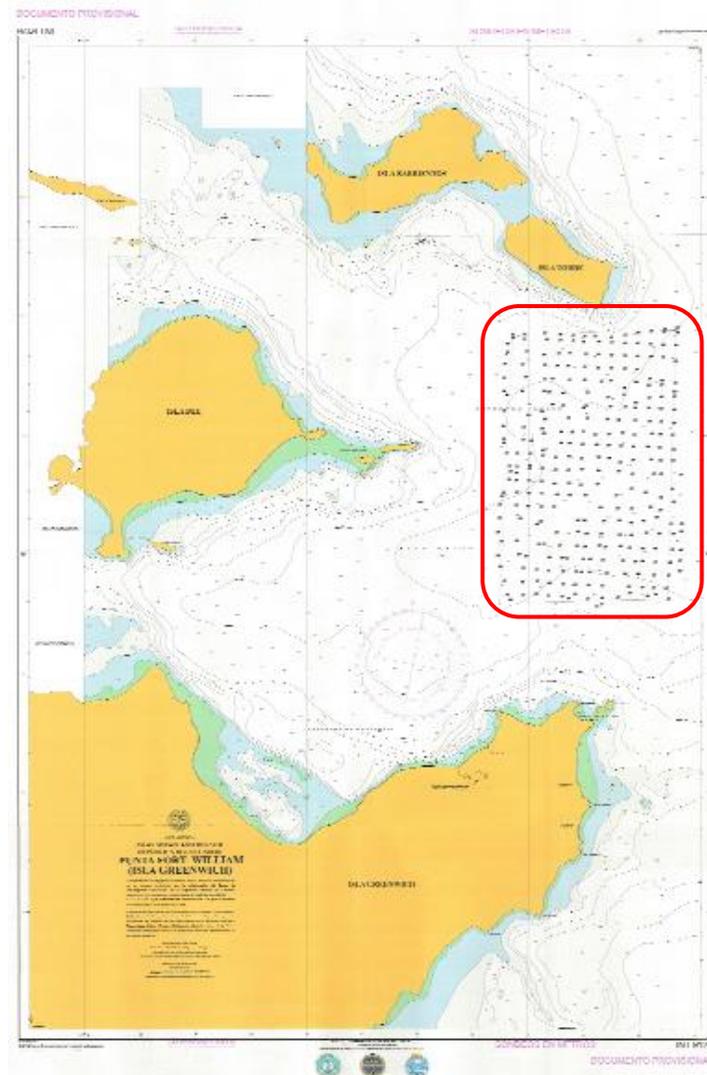
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2- SURVEYS

In the month of February took place a new hydrographic survey in the area between Torre Island (North) and Greenwich Island (South).

The survey consisted of a Multibeam Bathymetry, by the survey vessel ROU 22 Oyarvide that allowing total coverage of the area described in the following image.



This survey was requested by the Hydrographic Service of Ecuador (INOCAR) in order to provide new data for the new edition of the chart INT 9129.

3- NEW CHARTS & UPDATE

None.

4- NEW PUBLICATIONS & UPDATES

None.

5- MSI

-Existing infrastructure for transmission.

None.

-New infrastructure in accordance with GMDSS.

None.

-Master Plan.

None.

-Problems encountered.

None.

6- S-55

None.

7- CAPACITY BUILDING

None.

8- OCEANOGRAPHIC ACTIVITIES

-General

Using the opportunity of the Antarctic trip performed by the ROU 22 Oyarvide, SOHMA has done temperature profiles with XBT (Expendable Batitermograph) during the Drake's Passage. The objective is collecting recent data to compare with our database in order to study the space-temporal variability of the Antarctic Convergence.

-GEBCO/IBC Activities

None.

-Tide Gauge Network

The Oceanography Department has developed the MARANT Project since 1988. The main objective consists in monitoring the sea level in Maxwell Bay, near Artigas Antarctic Scientific Base (BCAA). This allows the study of its variability in a global scale and contributes to predict tides in Maxwell Bay. The results have been helpful in SOHMA Chart N° 1111 building, finding the harmonic constant, and also employed to support scientific projects. The data series are taken each year, during summer (between November and March) in hourly frequency with portable equipment (pressure gauge).