



HCA13-08.5.1Ar

Hydrographic Commission on Antarctica

National Report by



PERÚ



DIRECCION DE HIDROGRAFIA Y NAVEGACION DE LA MARINA DE GUERRA DEL PERU



INTERNATIONAL HYDROGRAPHIC ORGANIZATION
HYDROGRAPHIC COMMITTEE ON ANTARCTICA – HCA

13th MEETING – CADIZ, ESPAÑA

DECEMBER 03 – 05, 2013





1.- HYDROGRAPHIC OFFICE / SERVICE



The mission of the Directorate of Hydrography and Navigation is to manage, operate and research the activities related to environmental sciences in the sea, river, lake and Antarctic field to contribute to national development, support and safety navigation, Naval Forces and mariners in general.

This year, it has completed 110 years of continuous work serving of the Peruvian State and to the national and international community.

Likewise it has been actively involves in campaigns and expeditions in Antarctica since 1985.





2. SURVEY

Hydro-Morphologic Survey

HARBOR CHART H-7113 "MACKELLAR COVE"

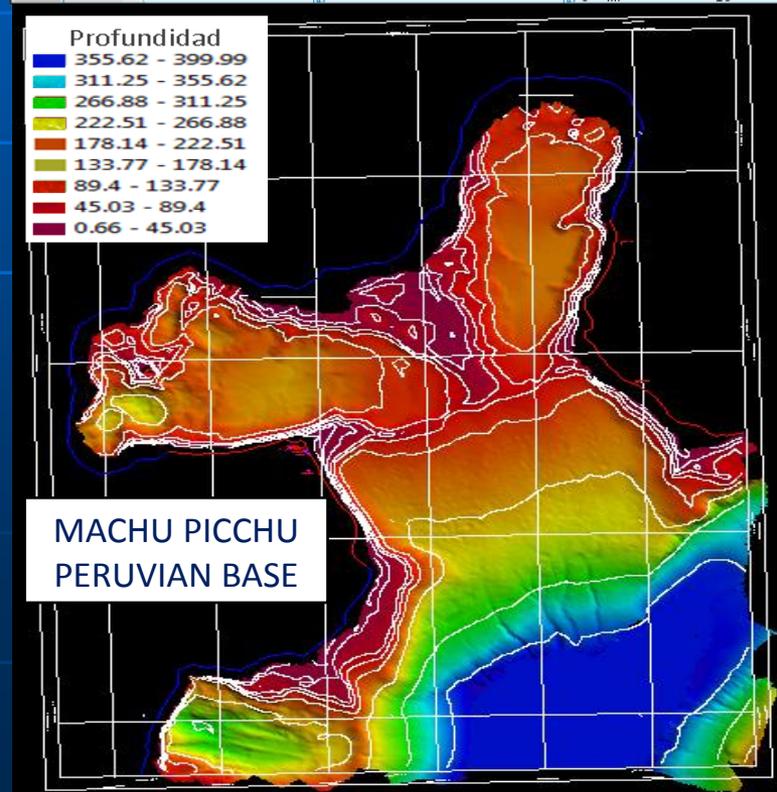
a. Location

The work area is located in Mackellar Cove, at Admiralty Bay, between Latitude $62^{\circ} 06'$ South and Longitude $58^{\circ} 25'$ West of Antarctic Continent.

Chart scale Ñ 1: 10,000

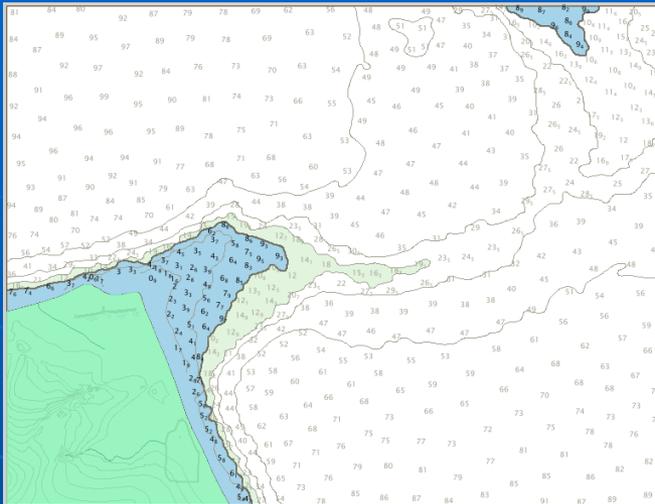
NEW TECHNOLOGY AND EQUIPMENTS

First Hydrographic-Morphologic Survey with Multibeam technology on board of the AEH-178 hydrographic vessel.





3. NEW CHARTS AND UPDATES – ENC INT 9125



New Electronic Navigation Chart

ENC Code: PE607114 Machu Picchu Base station

Edition: 1st. July 2013

Scale: 1:4,000



Update of the Electronic Navigation Chart

ENC Code: PE507112 Mackellar Cove

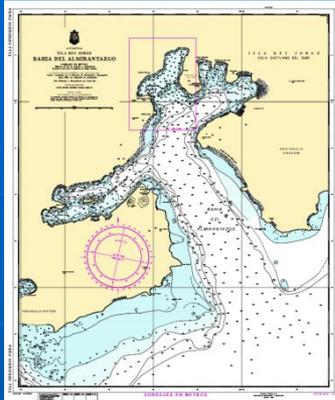
Edition: 3rd. July 2013

Scale: 1:15,000



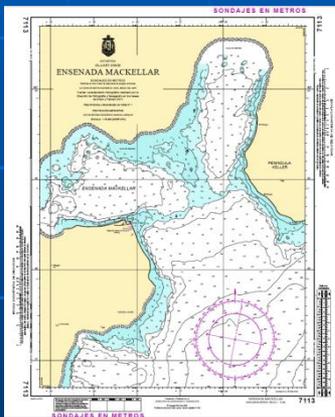


3. NEW CHARTS AND UPDATES - NPC

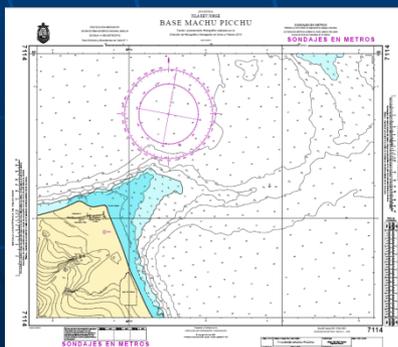


Nautical Chart N° 7112, Admiralty Bay (INT 9125)
Edition. December 1998.

It is necessary to coordinate with Brazil to carry out a hydrographic survey for a new edition



Nautical Chart N° 7113 "Mackellar Cove"
3rd. Edition. July 2013.



Nautical Chart N° 7114 "Base Machu Picchu"
1st. Edition. October 2013.

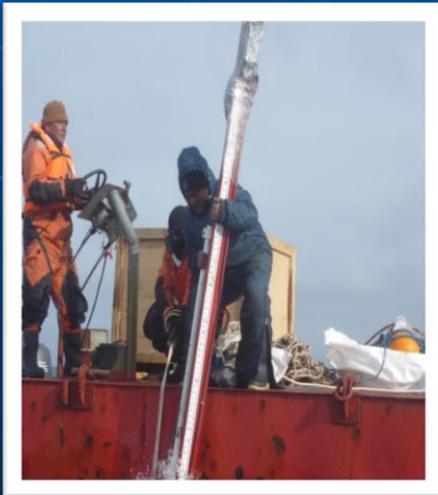




4. OCEANOGRAPHIC ACTIVITIES

TIDE GAUGE NETWORKS (INSTALLMENTS, MAINTENANCE, ETC.)

There is not a tide gauge network, however several tide gauges were installed for short periods of time, in the vicinity of Crepin Point which is located near Machu Picchu Scientific Station.

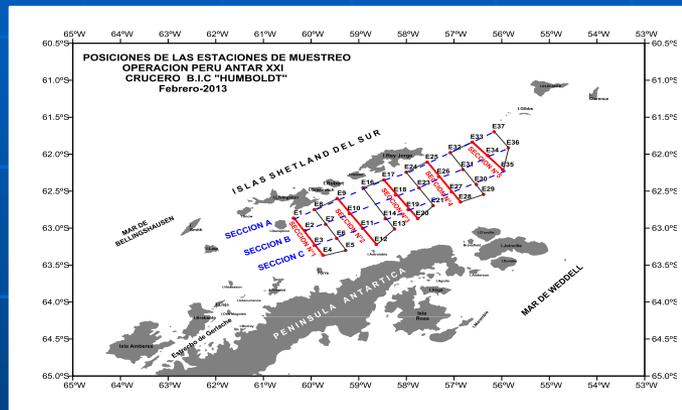




5. OTHER ACTIVITIES

OCEANOGRAPHIC

The Peruvian Navy is carrying out an Oceanographic Cruise in the Bransfield Strait during the Austral summer since 80's.



COLLECTION OF METEOROLOGICAL DATA

During the Antarctic Expedition, a WATHERPACK Automatic meteorological station was installed on board of BIC Humboldt.





6. ACTIVITIES 2014

The Directorate of Hydrography and Navigation has planned the following activities in 2014:

- ✓ **Distribution of National Antarctic nautical charts in paper and electronic format.**
- ✓ **Conversion of National Antarctic Nautical Charts in the format established for producing international charts (INT) to be sent to IHO - HCA.**
- ✓ **Oceanographic Research cruise in Bransfiel strait.**
- ✓ **Collection of meteorologic data.**
- ✓ **Approval of the Public Investment Project to purchase a hydro-oceanographic vessel with polar capacity.**

