



Dimar
Dirección General Marítima
Autoridad Marítima Colombiana

HYDROGRAPHIC COVERAGE IN THE “SAN ANDRÉS, PROVIDENCIA Y SANTA CATALINA” ARCHIPELAGO (COLOMBIA)

Lieutenant Commander
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Valparaiso – Chile, September 10th 2016



OBJECTIVES



**What is DIMAR and its role in the
HYDROGRAPHIC SURVEYS IN COLOMBIA.**

**Technological Infrastructure to
CONDUCT HYDROGRAPHICS SURVEYS**

**HYDROGRAPHIC COVERAGE IN THE “SAN ANDRÉS,
PROVIDENCIA Y SANTA CATALINA” ARCHIPELAGO
(COLOMBIA)**



AGENDA



4. Hydrographic coverage in "San Andrés, Providencia y Santa Catalina" archipelago.

6 minutes

3. Operational Priority
"SAFETY OF NAVIGATION"

2 minute

2. Logistical and
Operational
infrastructure

1 minute

1. What is
DIMAR.

1 minute

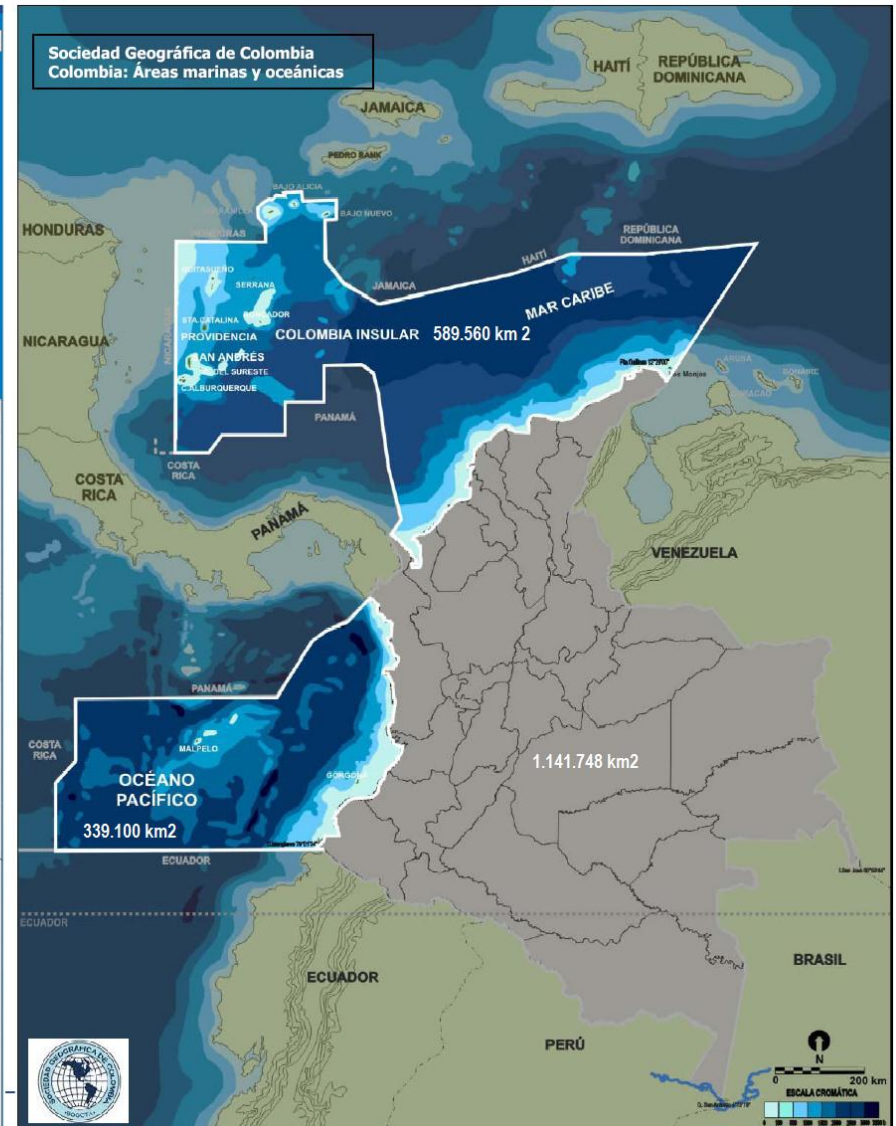


What is DIMAR?

It is the Colombian Maritime Authority in charge of execute the government policy in maritime matters, considering an structure that contribute to strengthen the maritime power of the nation.



NO CLASIFICADO





Support Facilities to Hydrographic Activity





Hydrographic Survey Fleet

Main Ships

HYDROGRAPHIC PLATFORMS



New ship Building 2016.

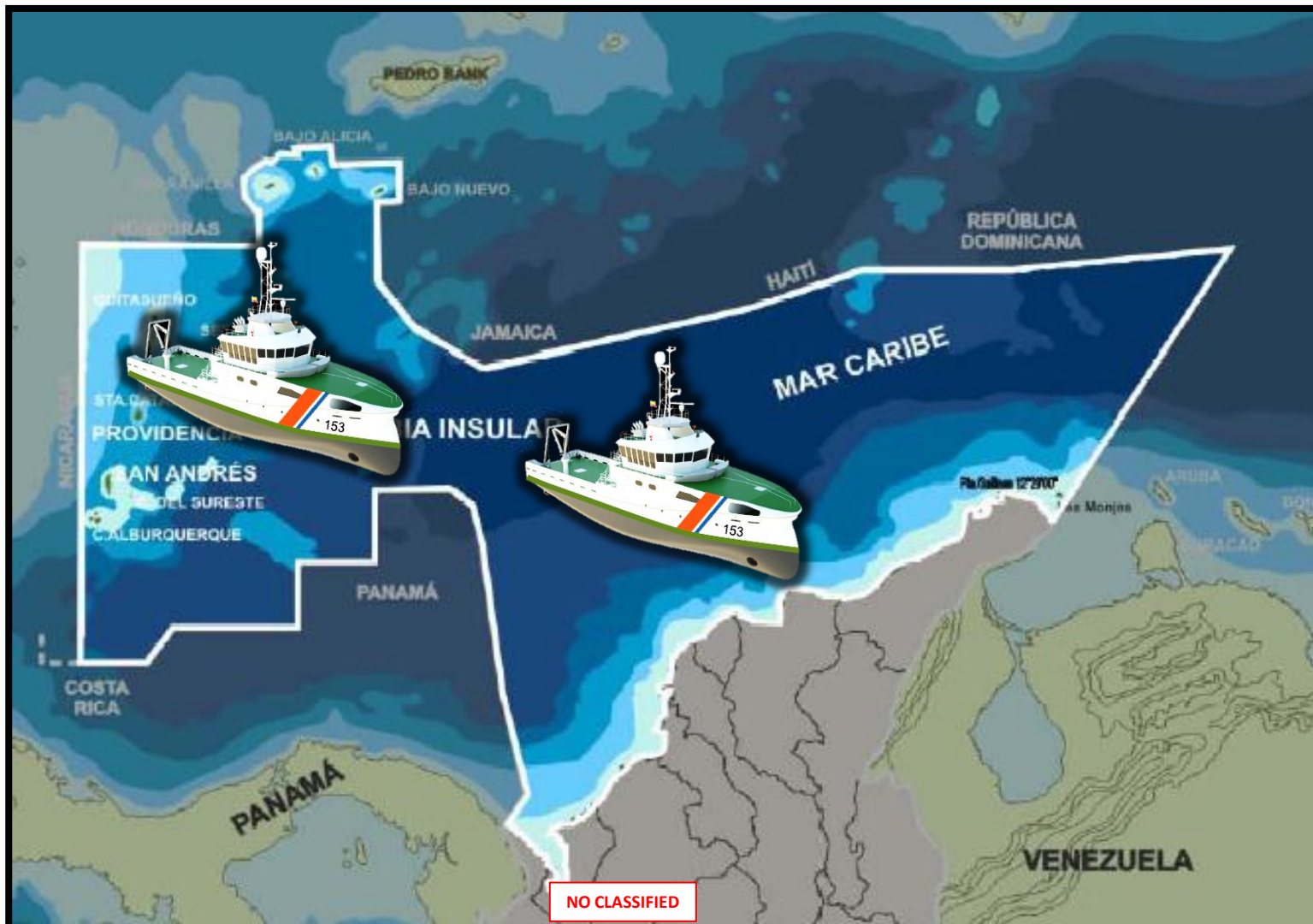
Our mission, contribute strengthening of the maritime power, the maritime comprehensive security, protection of human life at sea and marine environment, the promotion of maritime activities and, scientific and technological development of the nation.



Research Platforms.

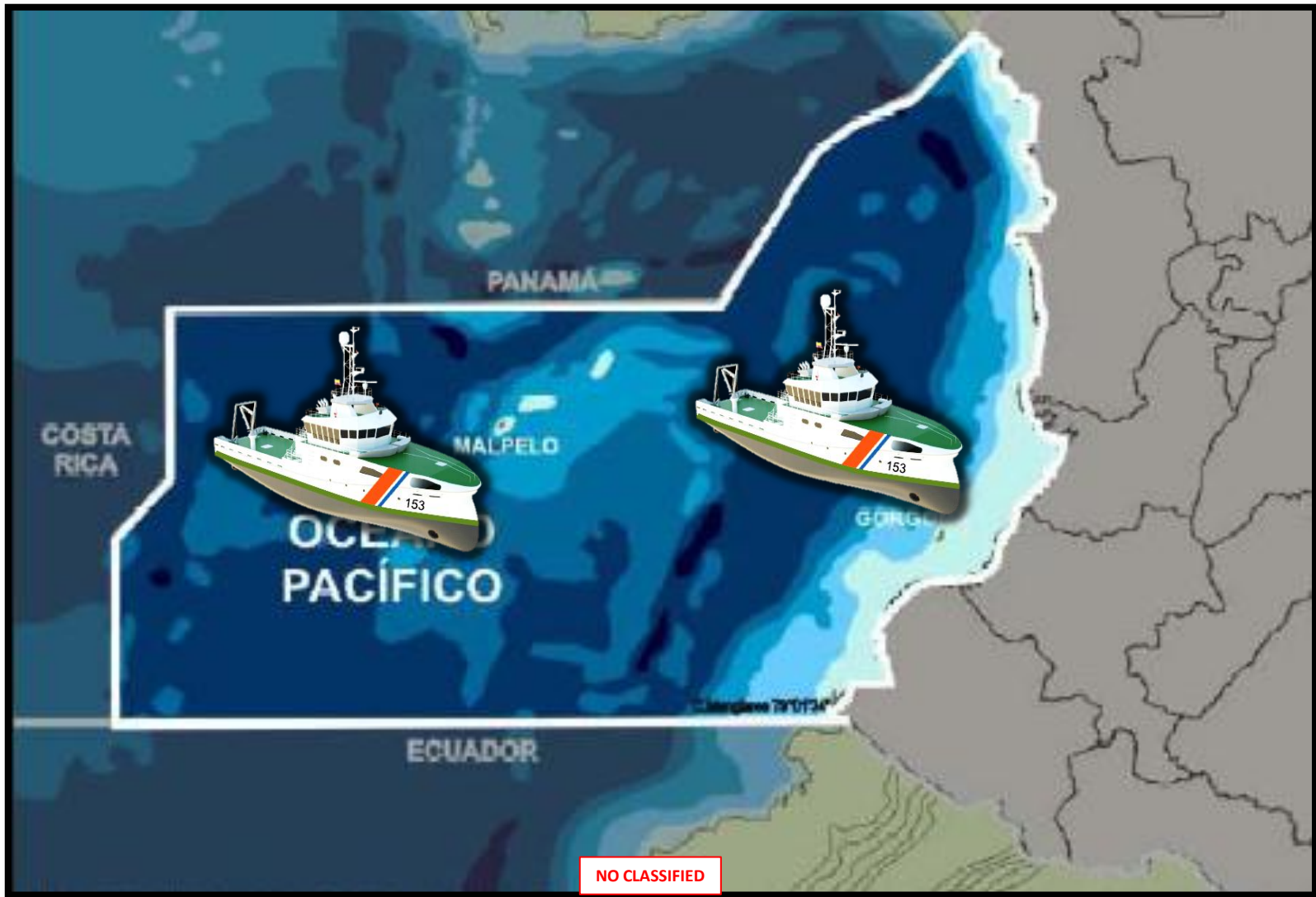
Hydrographic Survey Fleet

Renewal Plan



Hydrographic Survey Fleet

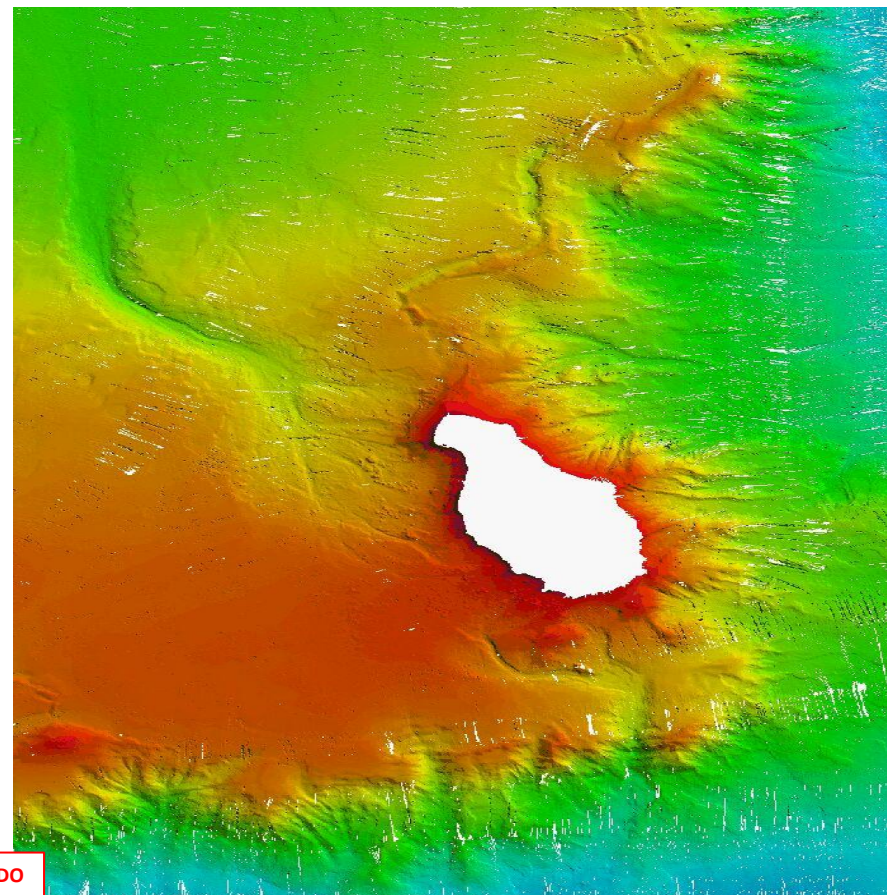
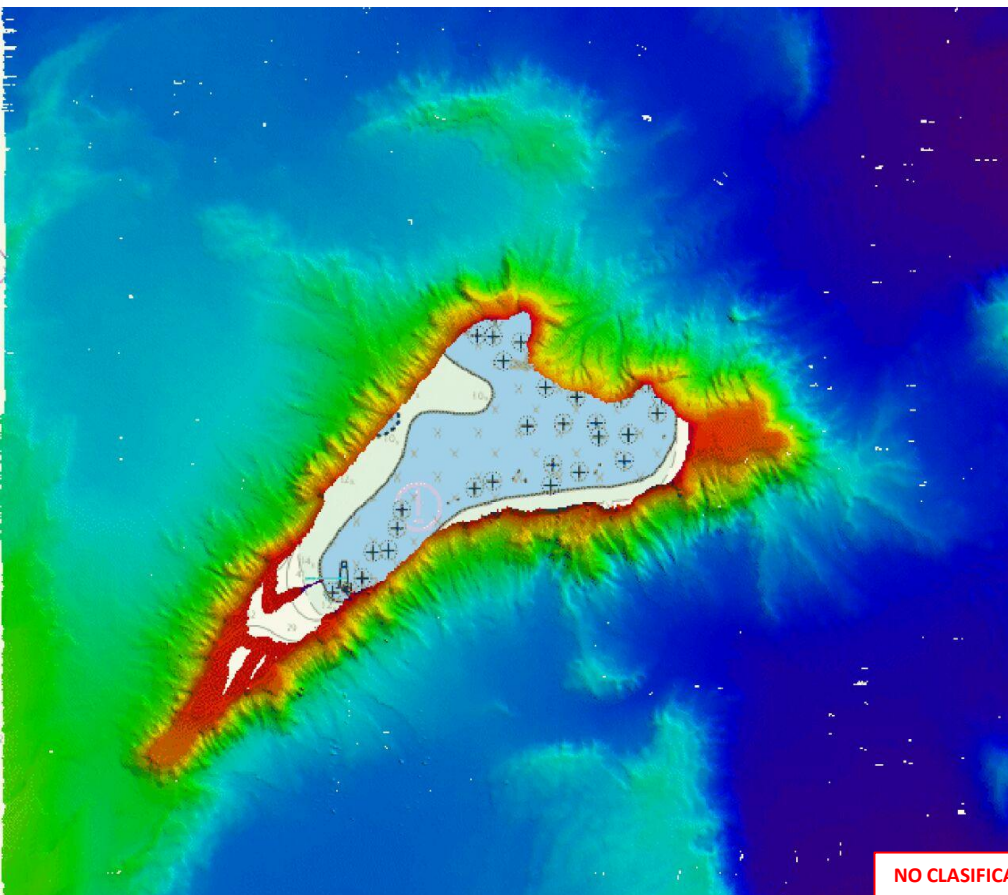
Renewal Plan





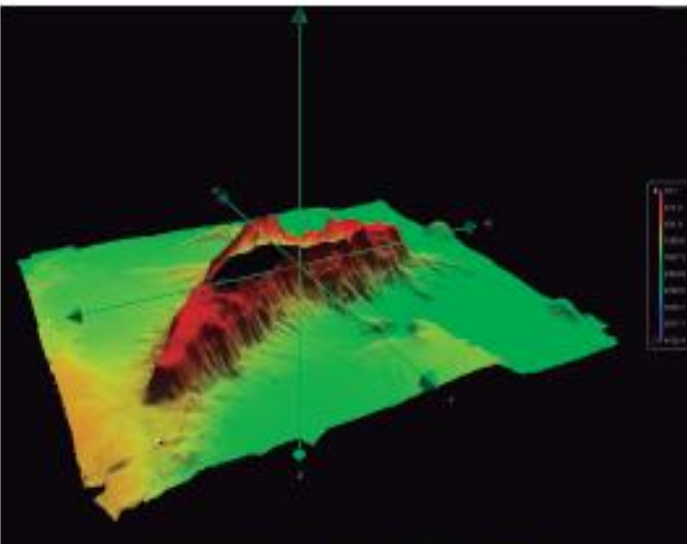
Full Coverage (HR)

“Serrana and Roncador cays” Islands



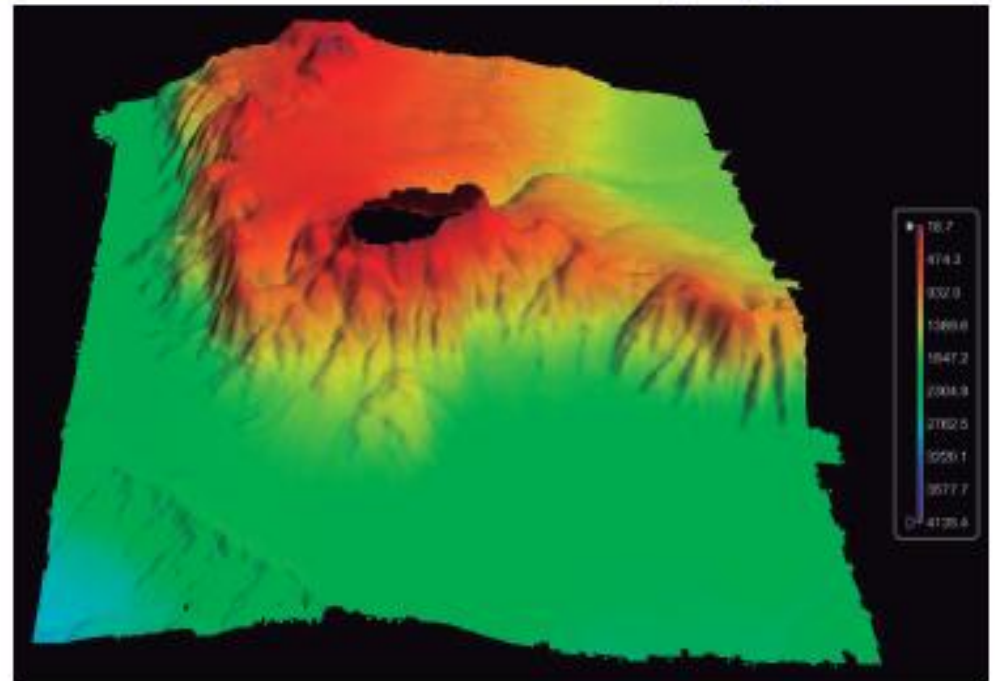
FIRST TIME, TOTAL COVERAGE (HR) AROUND OF ISLANDS

NEW KNOWLEDGE



Island "CAYS OF SERRANA".

By first time be conduct hydrographic operation in San Andrés islands with the main purpose of collect data of seabed with full coverage and high resolution. Multibeam echosounder Kongsberg EM302 1x1°.



Island "CAYS OF RONCADOR".

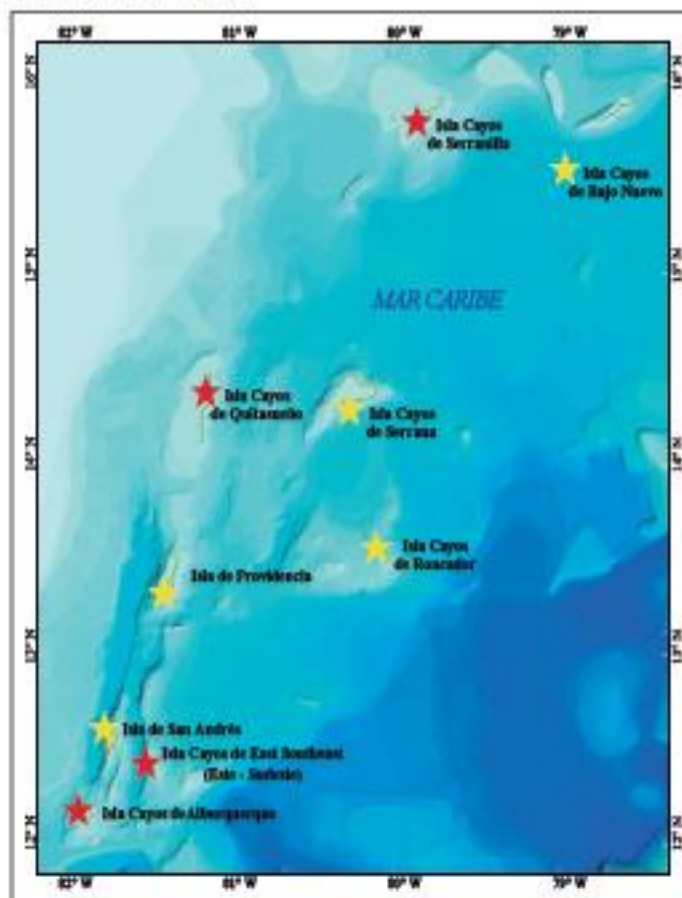


HYDROGRAPHIC PROJECT IN SAN ANDÉS ISLANDS.

The information collected will be used for safety to navigation, protection of marine environment, modeling and ocean management in the Natural Biosphere Reserve Area "Sea Flower", common heritage of the humanity.



San Andrés Island.




45.000 Km².
Surveyed 2016.


60.000 Km².
Challenge 2016.



Sharing Information

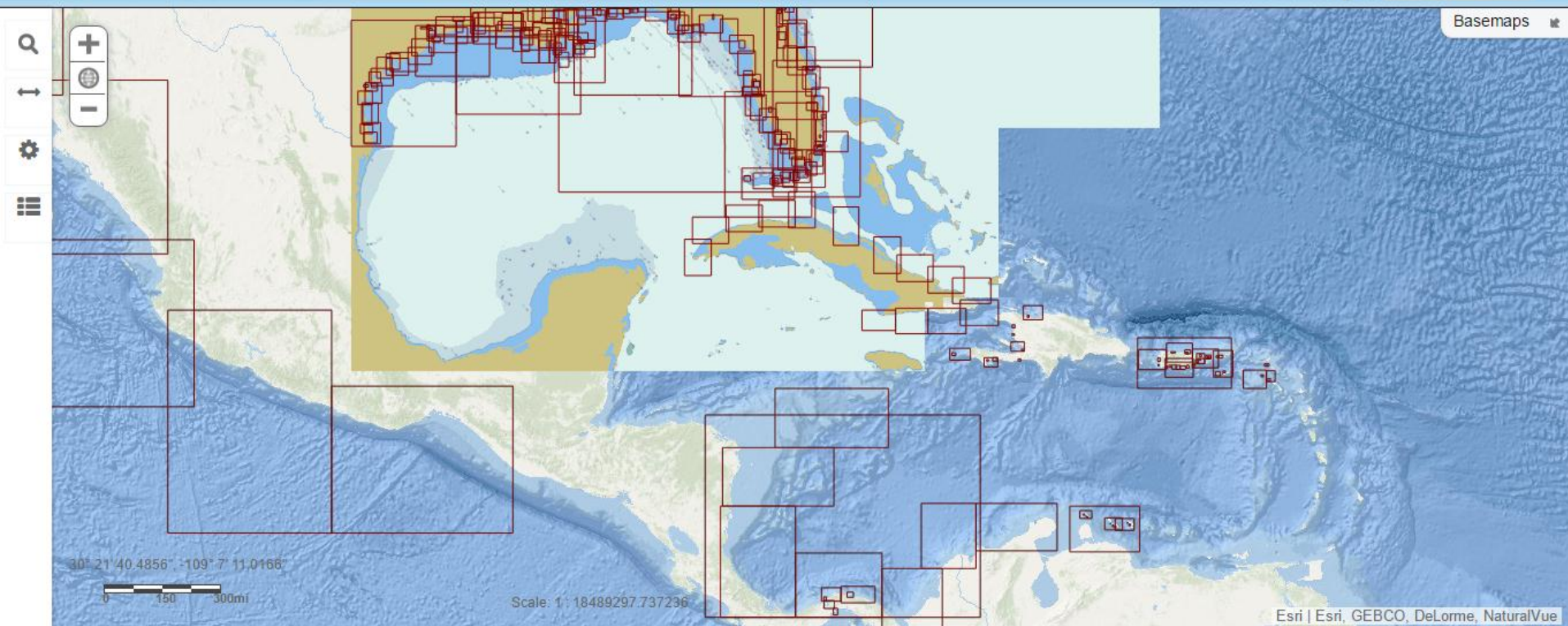
Promoting the Maritime Development

MSDI – MACHC (IHO) – Blue Economy.

MACHC ENOnline



Basemaps





Sharing Information

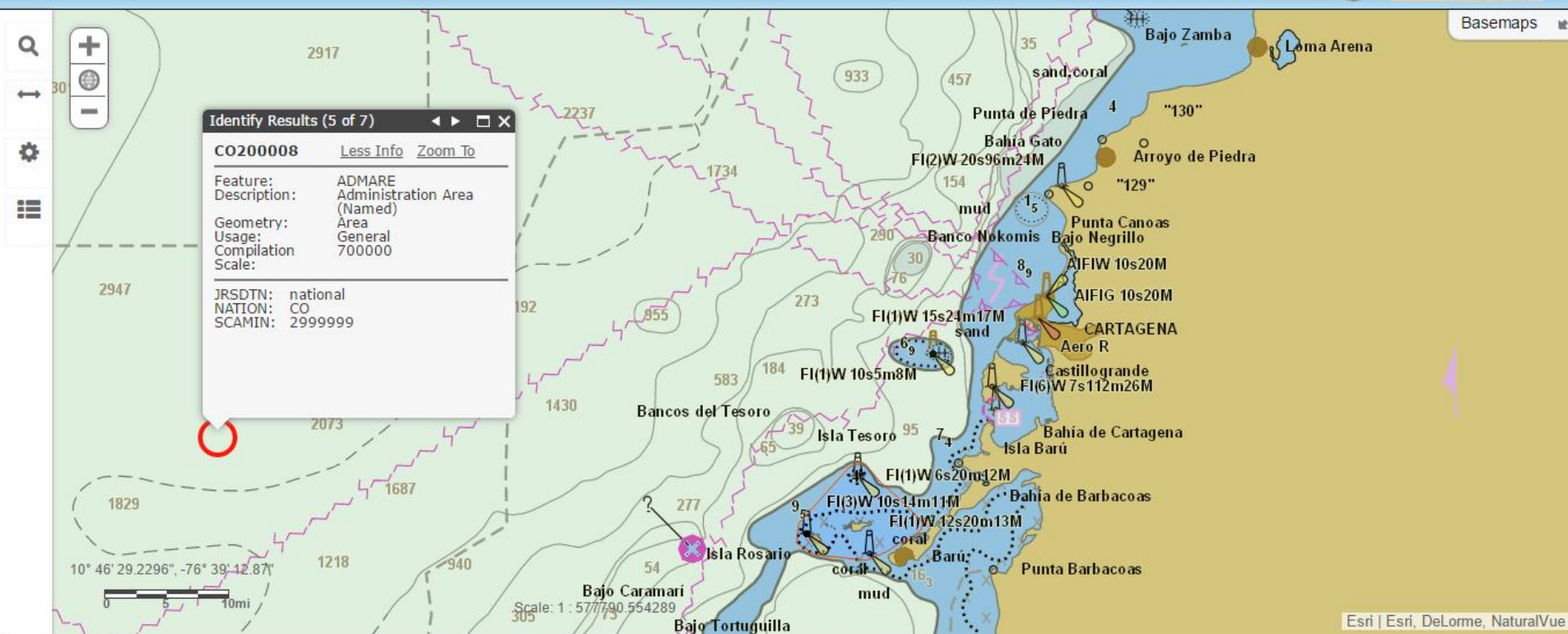
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MACHC ENOnline



Basemaps



Esri | Esri, DeLorme, NaturalVue



Antarctic Hydrographic Survey

Summer 2013 - 2014

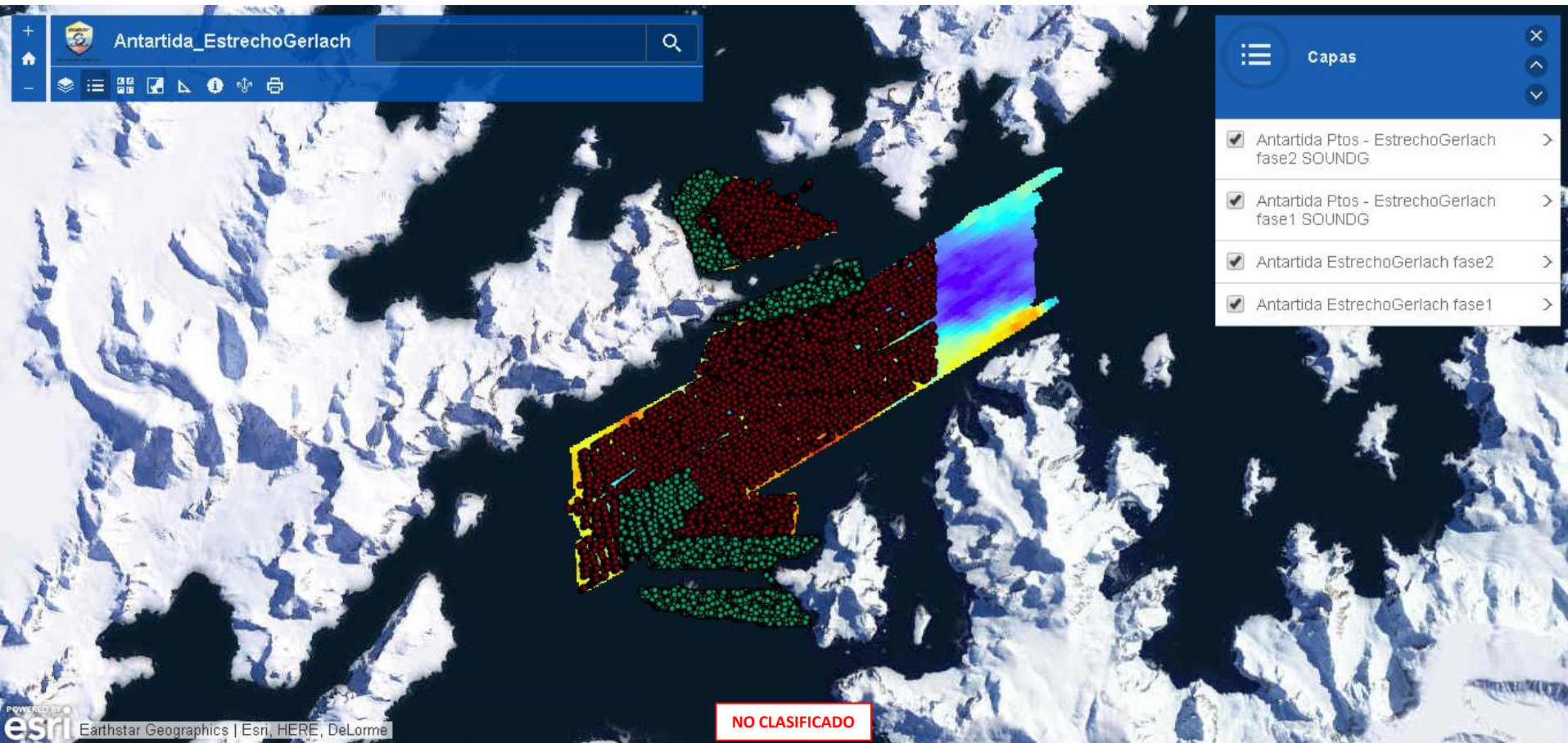




Sharing Information

Promoting the RESEARCH

MSDI – AHC (IHO) – RESEARCH.





OBJECTIVES

Completed



**You know DIMAR and its role in the
HYDROGRAPHIC SURVEYS IN COLOMBIA.**

**You know the Technological Infrastructure to
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MANY THANKS FOR YOUR KIND ATTENTION...!!!

Valparaiso – Chile, September 10th 2016