

MESOAMERICAN AND CARIBBEAN SEA HYDROGRAPHIC COMMISSION
12th Meeting, Saint Kitts & Nevis, 04-09 December 2011

NATIONAL REPORT - Colombia



1. Hydrographic Office /Service:

Dirección General Marítima - DIMAR
Centro de Investigaciones Oceanográficas e Hidrográficas - CIOH

2. Surveys (33)

Bahía de Buenaventura
Rio Amazonas
Punta San Bernardo
Tolú
Coveñas
Isla Tintipan
Isla Mucura
Isla Mucura a Isla Palma
Isla Mangles
Isla Palma
Isla Panda
Isla Ceycen
Isla fuerte
Cispata
San Antero
Bahía Solano
Club nautico San Andrés
Rada el Cove
Puerto Colombia
Puerto Velero
Triganá
Acandí
Riohacha
Manure
Pen. Guajira y Golfo Uraba
Cabo de la Vela
Dibulla
San Bernardo del Viento
Canales de acceso Bahía de Cartagena
Bahía de la Ánimas
Contecar
Sector Terminal Turístico

Isla Del Diablo

3. New charts and updates: (1 new and 21 updates)

406 Santa Marta a Cabo San Agustín
003 INT 6000 Bahía de Panamá a Cabo San Francisco
261 Bahía de Cartagena
264 Entrada a la Bahía de Cartagena
005 Carta General del Caribe Colombiano
007 El Gran Caribe, 244 Bahía de Taganga a Punta Barro Blanco
730 Puerto de Buenaventura.
295 Bahía Colombia
253 Rio Magdalena
407 Puerto Colombia a Santa Marta
408 Punta Canoas a Puerto Colombia
412 Golfo de Urabá
028 Barranquilla a Punta Espada
029 Golfo de Urabá a Barranquilla
136 Bocana de Amarales
137 Boca de Sanquianga
201 Isla de San Andrés
514 Isla Caruma a Punta Mulatos
515 Punta Mulatos a Pasacaballos
306 Boca San Juan a Boca Yurumanguí
030 Canal de Panamá a Golfo de Cupica
146 Boca Rio Mataje

Nautical route of Caribbean Colombian for sailing

26 Nautical charts. Esc 1:5.000 to 1:15.000

New ENC according new ECNN (17)

| | |
|----------|---|
| CO200003 | Costa Oeste de Colombia |
| CO200008 | Cabo Gracias a Dios a Santa Marta |
| CO300024 | Cabo Tiburón a Bahía de Cartagena |
| CO300022 | Isla de San Andrés a Golfo de los Mosquitos |
| CO300025 | Punta Canoas a Santa Marta |
| CO300020 | Pedro Bank a Gorda Bank |
| CO300021 | Cabo Gracias a Dios a Isla de Providencia |
| CO400618 | Golfo de Morrosquillo |
| CO400606 | Aproximación a Riohacha |
| CO400615 | Punta Gigantes A Punta Canoas |
| CO400244 | Bahía Taganga a Ciénaga |
| CO400612 | Aproximación a Barranquilla |
| CO500218 | Isla Providencia |
| CO500261 | Bahía de Cartagena |
| CO500253 | Rio Magdalena |
| CO500730 | Puerto Interior de Buenaventura |
| CO600843 | Bahía de Cartagena (Canales de Acceso) |

4. New Publications and updates

Buques Oceanográficos DIMAR
 Manual de Geodesia
 Resumen Aviso a los navegantes 2010
 Actualización Derrotero digital
 Ayudas a la navegación
 Esquema de Cartografía Náutica Nacional

5. MSI

| SERVICE | YES | NO | PARTIAL | NOTES |
|-----------------------------------|-----|----|---------|-----------------------------|
| Local Warning | X | | | |
| Coastal Warnings | X | | | |
| Navarea Warnings | X | | | |
| Information on Ports and Harbours | X | | | Via NAVAREA XII Coordinator |

GMDSS IMPLEMENTATION (IMO 970 - GMDSS Handbook)

| SERVICE | YES | NO | PARTIAL | NOTES |
|-------------|-----|----|---------|-------|
| Master plan | | X | | |
| A1 Area | | | X | |
| A2 Area | | | X | |
| A3 Area | | X | | |
| NAVTEX | | X | | |
| SafetyNET | | X | | |

6. C-55. Last update in web IHO, June 8/2009 .

The data will send to IHO on January/2012

6.1 HYDROGRAPHICS SURVEYS

1.1 Status of hydrographic survey of all navigable waters, including internal waters, out to the limits of the EEZ:

Survey coverage, where:

A = percentage which is adequately surveyed.

B = percentage which requires re-survey at larger scale or to modern standards.

C = percentage which has never been systematically surveyed

| | A | B | C |
|---------------|----|---|----|
| Depths < 200m | 88 | 0 | 12 |
| Depths > 200m | 22 | 0 | 78 |

Amplifying information: The concept of EEZ is not applicable

6.2 NAUTICAL CHARTING

If do you have a nautical charting capability, complete the details below

2.1 Status of nautical charting within the limits of the EEZ

Coverage of charts published by your organization, where:

A = percentage covered by INT series, or a paper chart series meeting the standards in M-4.

B = percentage covered by Raster Navigational Charts (RNCs) meeting the standards in S-61.

C = percentage covered by ENC's meeting the standards in S-57.

| Purpose/Scale | A | B | C |
|---|----------|----------|----------|
| Offshore passage/Small | 100 | 0 | 100 |
| Landfall and Coastal passage/Medium | 73.3 | 0 | 85.7 |
| Approaches and Ports/Large | 88.2 | 0 | 35.1 |
| Percentage of Group A showing depths in meters | 100 | 0 | 100 |
| Percentage of Group A referenced to a satellite datum | 100 | 0 | 100 |

7. CAPACITY BUILDING

7.1 Training received:

- 01 Electronic Charting Training IHO-CBC IC-ENC Chile
- 01 Maritime Safety Information IHO-CBC Brazil

7.2 Training needed:

- Submarine Topography Training
- NAVTEX training
- Development of Printing by demand
- Development of Data Base Hydrographic

7.3 Training and courses offered:

- Escuela Naval de Suboficiales. ARC Barranquilla.
Hydrographic and Oceanography technology.
www.escuelanavalsuboficiales.edu.co

7.4 Projects under development:

- Cartographic and hydrographic project 2011
- Cartographic and hydrographic project 2012 apply to DIMAR

- Nautical route of Caribbean Colombian for sailing

8. OCEANOGRAPHIC ACTIVITIES

- Measurement of oceanographic parameters and marine meteorology
- Numerical modeling of oceanographic processes: of wave and presentation of virtual buoys; assessor in B and R operations; forecast pursuit spots hydrocarbons
- Oceanographic and marine meteorology forecast
- Studies and assessor in oceanographic subjects and coastal erosion
- Land reception satellites station GOES
- Directional wave buoys

9. OTHER ACTIVITIES

- Determination of DIMAR jurisdiction in the Colombian Caribbean
- Geomorphology and sedimentology of coasts
- Studies of circulation of currents and sediments
- Studies of winds and tides.
- IBCSEP Chairman
- IBCCA Chairman
- Member of GEBCO
- Celebration of World Hydrographic Day 2011. Special emphasis in Human Resources

10. THINGS THAT KEEP US AWAKE AT NIGHT

- How to solve the overlapping between cells CO -VE
- Implement the Base data base project
- Increase the surveys in depth water
- Edit the IBCCA sheets 1-10, 1-12 and 1-16

11. CONCLUSIONS

Is necessary to continue the increase of CBC-MACHC. It permit; to receive, to give training. The cooperation is important tool for the development of the MACHC members

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