

MESOAMERICAN AND CARIBBEAN SEA HYDROGRAPHIC COMMISSION
11th Meeting, Paramaribo, Suriname, 08-12 November 2010

NATIONAL REPORT ó Colombia

1. Hydrographic Office /Service:

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

2. Surveys

Bahía Ancón de Sardinias
Archipiélago San Bernardo
Rada el Cove
Bahía de Santa Marta y ensenadas adyacentes
Roncador y Quitasueño
Bahía de Cartagena
Golfo de Morrosquillo

3. New charts and updates:

402 Punta Soldado a Puerto Estrella
404 Punta de la Cruz a Cabo de la Vela
605 Aproximación a Manaure

031 Golfo de Cupica a Bahía de Buenaventura
032 Bahía de Buenaventura a Bahía Ancón de Sardinias
040 Península de la Guajira
101 Aproximación a Tumaco
153 Bahía de Buenaventura
228 Aproximación a Bahía Portete
229 Bahía Portete
261 Bahía de Cartagena
263 Bahía interna de Cartagena
412 Golfo de Uraba

Nautical route of Caribbean Colombian for sailing

21 nautical charts. Esc 1:5.000 to 1:15.000

New ENC according new ECNN

CO200008 Cabo Gracias a Dios a Santa Marta
CO200003 Costa Oeste de Colombia
CO300020 Pedro Bank a Gorda Bank
CO300021 Cabo Gracias a Dios a Isla de Providencia
CO300022 Isla de San Andrés a Golfo de los Mosquitos
CO300023 Golfo de los Mosquitos a Punta Mosquito
CO300024 Cabo Tiburón a Bahía de Cartagena
CO300025 Punta Canoas a Santa Marta
CO300026 Punta Chengue a Castilletes
CO400615 Punta Gigantes A Punta Canoas

CO500730 Puerto de Buenaventura
 CO400153 Bahía de Buenaventura
 CO300306 Boca San Juan a Boca Yurumanguí
 CO500261 Bahía de Cartagena
 CO600843 Bahía de Cartagena (Canales de Acceso)
 CO400660 Aproximación a Cayo Serranilla
 CO400662 Bajo Alicia

4. New Publications and updates

Manual de Geodesía
 Resumen Aviso a los navegantes 2009
 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 ó 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

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	84	0	16
Depths > 200m	18	0	82

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 ENCs meeting the standards in S-57.

Purpose/Scale	A		B		C
	INT	National series	INT	National series	
Offshore passage/Small	100		-		100
Landfall and Coastal passage/Medium	84		-		84
Approaches and Ports/Large	42		-		42

7. CAPACITY BUILDING

7.1 Training received:

- 02 Multibeam training
- 01 Electronic Charting Training
- 01 Advanced Cartography training

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 ðAlmirante Padillaö. www.escuelanaval.edu.co
Hydrographic Category A, Oceanography
- Escuela Naval de Suboficiales. ARC Barranquilla.
Hydrographic and Oceanography technology. www.escuelanavalsuboficiales.edu.co

7.4 Projects under development:

- Cartographic and hydrographic project 2010
- Cartographic and hydrographic project 2011 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.
- Chairman of SEPHC
- Chairman of IBCSEP
- Member of CSPCWG

10. 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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