



**14th MEETING OF THE MESO AMERICAN AND
CARIBBEAN SEA HYDROGRAPHIC COMMISSION (MACHC)**

9 – 13 December 2013

Phillipsburg, St. Maarten

SURINAME

National Report

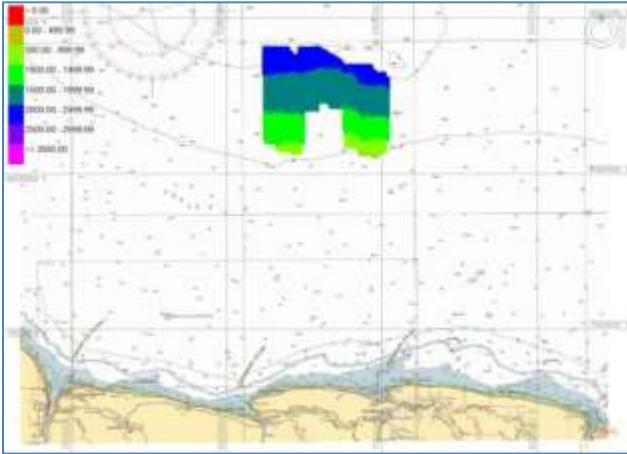
1 Hydrographic Office / Service:

The Hydrographic division of the MAS is in charge for services

2 Surveys:

Coverage of new surveys.

Coverage new survey from crowd sourcing (bathymetry from Seismic data collection)



New technologies and /or equipment

Objective: object detection

Side Scan Sonar



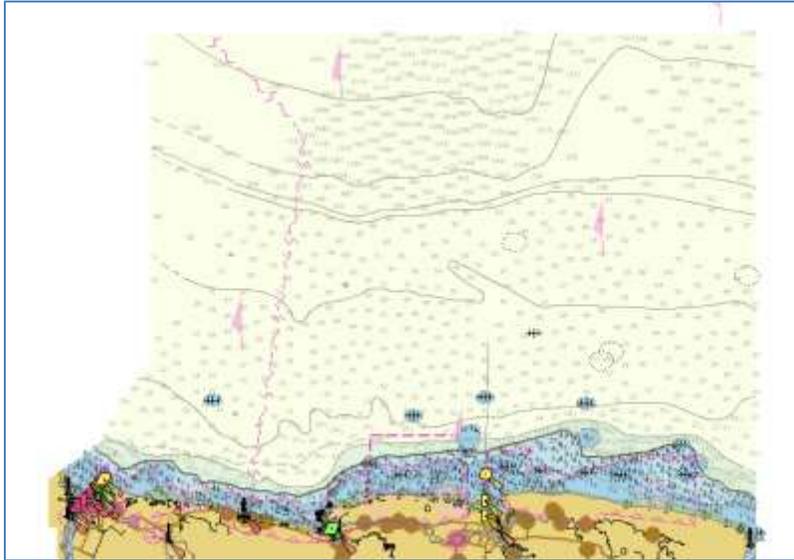
Magnetometer



3 New charts & updates:

ENCs:

New chart SR302014 –year 2012

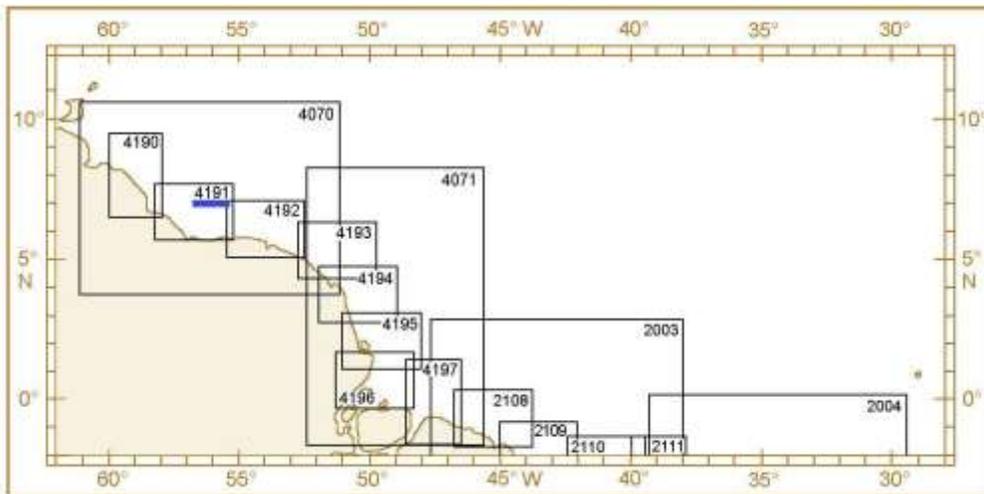


ENC Distribution method:

- IC-ENC

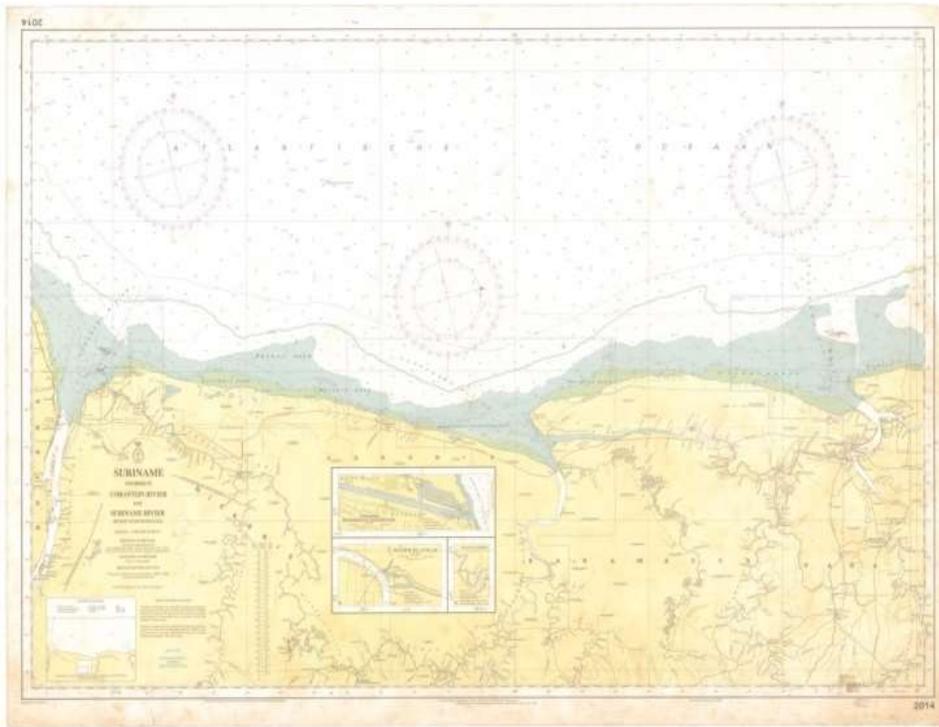
INT charts:

- 4191 planned for year 2014 Scale :300.000



National paper charts:

Paper Chart	ENC	scale
2014	ENC NL302014, North Coast of Suriname	(1:180.000)



Problems encountered

- No certified Cartographer

4 New publications & updates:

New Publications

- Coast pilot for Suriname planned for 2014

5. MSI

Existing infrastructure for transmission

- Currently there are no radio warnings for coastal area. Notices to Mariners are published through internet and submission to Nav- Area coordinator.

Currently

- New infrastructure in accordance with GMDSS Master Plan

Fase 1: Area A1

Fase 2: Area A2



Note : Use the WNWNS template for this section

6

C-55

Latest update (Tables)

SERVICE	Yes	No	Partial	NOTES
LOCAL WARNINGS	X(NtM)			
COASTAL WARNINGS			X(NtM)	
NAVAREA WARNINGS	X			NtM send to NAVAREA coordinator
INFORMATION ON PORTS AND HARBOURS			X	Through shipping agencies

7 Capacity Building

- Offer of and/or demand for Capacity Building
- Training received, , offered

Needed

- Nautical Cartography Level A and B
- Hydrography level A and B

Required Intern ship;

- Tidal analysis
- Side Scan Sonar operation and interpretation
- Paper Chart and ENC production

8 Oceanographic activities

General

Ocean Current Analysis offshore Suriname

The major objective of the study is to understand the regional circulation and variability of the current regime over the course of the year. The secondary objective of the study is to provide initial estimates of maximum surface currents to assist in the design and installation of instruments for a prolonged mooring campaign. Observational data from this region are available from Horizon Marine's EddyWatch – Trinidad/NBC program dating back to 2001. The study is based on our extensive records of satellite-tracked drifting buoys, satellite remote sensing, and the output of the global model. There are three fixed buoys placed offshore Suriname a for current data collection for the period of one year (2013)

Tide gauge network

Project : Support for improving integrated disaster risk management for climate

Objective: Flood Early Warning System (FEWS)

Risk Knowledge

- Monitoring and Warning
- Dissemination and Communication
- Response Capabilities



New equipment



Floating Tide gauge with wireless data transfer instead of data loggers and pressure sensors.

9 Other activities

Participation in IHO Working Groups

MEIP

IRCC

Meteorological data collection

Geospatial studies

Disaster prevention

Early flood warning system

Environmental protection

Monitoring civil works, charting protected areas

Help set boundaries for fishing areas in corporation with the Ministry of foreign Affairs.(crowd sourcing with Fishing vessels for data gathering)

10 Conclusions

Suriname was able to update charts and gather oceanic information through crowd sourcing.

This type of information gathering should not be underestimated. One of the challenges ahead is to provide the necessary information to the user.

For that reason further development of the MSI system is important.