



Introduction to Hydrographic Surveying and  
Nautical Charting Training Course  
St John's, Antigua  
30 May -10 June 2011

*Presented by UKHO*



# Introduction



- Background
- The Course
- Deliverables
- Achievements
- What next?



# Background



*MACHC submission for two Basic Hydrographic Courses (Hydro type 1 and Hydro type 2) forwarded to the CBSC for consideration in June 2010*

*The CBSC advised that these courses should be consolidated into one course with a financial contribution of €24,900*

*During the last (11<sup>th</sup> MACHC meeting in Paramaribo) Antigua offered to host this course*



# The Course



**Course Title:** Introduction to Hydrographic Surveying and Nautical Charting

**Host:** Antigua & Barbuda Department of Marine Services and Merchant Shipping (ADOMS)

**Venue:** Jolly Beach Resort, St Mary's, Antigua and practical demonstration in the Port of St John's, Antigua

**Organized by:** ADOMS, MACHC and UKHO



# The Course



**Supported by:** CARIS, Fugro Pelagos, Kongsberg Maritime, UKHO

**Participants:** Antigua & Barbuda (4), Barbados, British Virgin Islands, Dominica, El Salvador, Grenada, St Kitts & Nevis, St Lucia, St Vincent & the Grenadines

**Instructors:** Mr Bob Wilson (UKHO) for week one but present for the entire course

Mr Don Ventura

Fugro Pelagos

Mr Jan Haug Kristensen

Kongsberg Maritime

Mr Stale Myklebust

Kongsberg Maritime

Mrs Karen Hart

CARIS



# The Course



## Course Objectives:

- Acquire an understanding of the needs for and benefits of a national hydrographic policy
- Acquire an understanding of a national hydrographic framework and how to tailor the framework to individual national requirements

Acquire an understanding of how to build and develop a national hydrographic service to meet individual country needs

Acquire an understanding of hydrographic and nautical cartographic methods

Acquire an understanding of modern surveying equipment their advantages and limitations



# The Course



## Course Proceedings:

Week 1 = Classroom training through PowerPoint-based lectures, flip chart explanations and interactive group discussions

Week 2 = Presentations from the commercial companies represented together with a practical demonstration of MBES surveying



# The Course



## **VIP Participation:**

**The Honourable Dr Baldwin Spencer, Prime  
Minister of Antigua & Barbuda**

**Rear Admiral Nick Lambert, the MACHC  
Chairman**

**Mr Paul Brummel, British High Commissioner  
for Barbados and the Eastern Caribbean**





# Deliverables



Twelve students from nine different coastal states left with a better understanding of the principles of hydrographic surveying and nautical charting



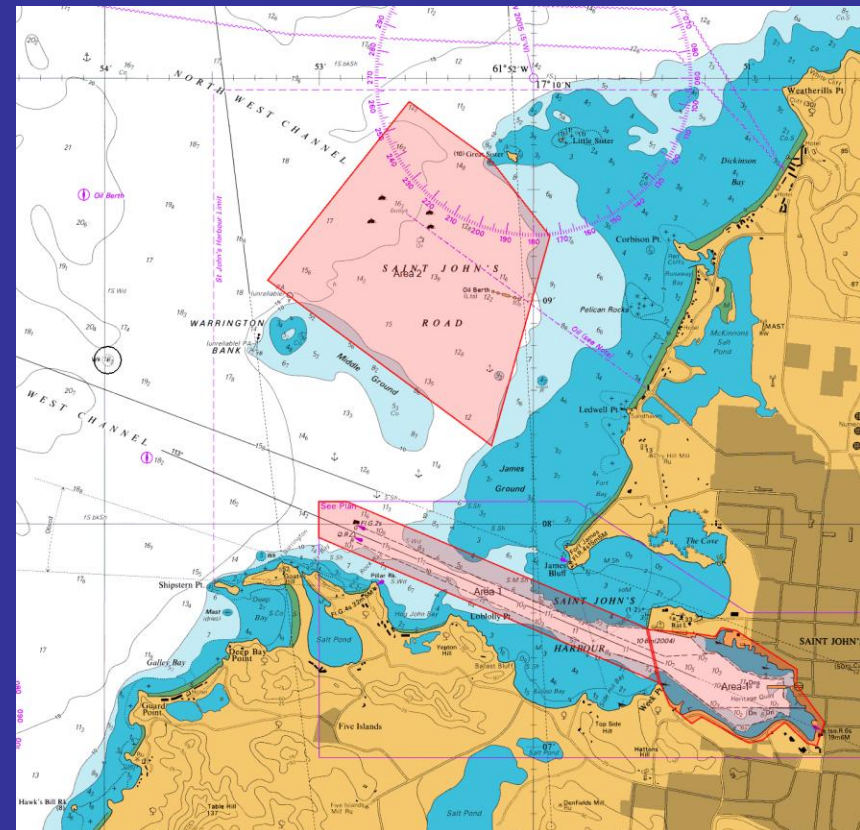
# Deliverables



## Antigua Survey:

Collaboration between Antigua & Barbuda Coastguard (who provided the craft and crew) and Kongsberg Maritime (who provided MBES equipment together with an engineer)

Full seafloor coverage of St John's Harbour and St John's Road (last surveyed in 1849)





# Achievements



Course feedback was very positive with at least one student determined to take the next training step – an IHO Cat B hydrographic surveying course

The collaboration between industry, RHC, national maritime authority and IHO was proved to be both viable and beneficial



# Achievements



The training course proved to be the ideal vehicle to raise the profile of hydrography at the very highest level of national Government with Antigua & Barbuda's President, The Honourable Dr Baldwin Spencer taking a personal interest

And last but not least, the course was delivered on time and within budget - the total cost of the entire activity = €22,900



# What Next?



The successful delivery of this Introduction to Hydrographic Surveying and Nautical Cartography training course gave the participants a basic understanding of the principles and equipment involved but capacity building must be more than that. Consequently the UKHO and ADOMS are exploring options to:-



# What Next?

- a) Develop a regional, inter-island, hydrographic unit which can undertake routine maintenance surveys and
- b) Develop a multi national survey programme to systematically survey the Caribbean

Both of these initiatives to be donor funded





# Course Photographs





# Students and ADOMS staff with the Prime Minister of Antigua & Barbuda







# MACHC Chairman with the Prime Minister of Antigua & Barbuda





Mr Dwight Gardiner, Director of ADOMS, presents the course certificate to Captain Kent Fergusson, Barbados





# Coastguard Launch rigged with Kongsberg EM3002 MBES

## MACHC Chairman viewing practical demonstration of EM3002







# Questions



Any Questions?