

Report from the Workshop on Validation of Multibeam data

Introduction

NHC has for a few years arranged a workshop for exchange of experience and views for processing and validation of the data from multibeam echosounder systems. Earlier reports have confirmed that the workshops have been quite useful.

The latest workshop was under the responsibility of Norway but hosted by Iceland in Reykjavik 1-2 February 2011. The HOs were represented as follows:

Ulf Olsson, Swedish Hydrographic Office
Anders Åkerberg, Swedish Hydrographic Office
Morten Sølvesten, Danish Maritime Safety Administration
Antti Castrén, Finnish Maritime Administration
John Helge Herland, Norwegian Hydrographic service
Arne Ofstad, Norwegian Hydrographic service
Björn Haukur Pálsson, Icelandic Coast Guard
Gunnar Örn Arnarsson, Icelandic Coast Guard

In addition 5 representatives from the Marine Research Institute and the Icelandic Maritime Administration participated.

The content of the Workshop

Topics that were highlighted:

- Chemsea (EU project to locate and identify Chemical Warfare in the Baltic)
- Organizational changes for Finnish hydrographic surveying and data validation
- Backscatter project (seafloor classification)
- Sea Acceptance Trial of SeaBat 7100 with emphasis on bottom detection and the influence of the signature on roll calibration
- Specification for new post processing tool at NHS (to replace Neptune)
- Tide analysis as a part of quality control
- Results from implementation of the CrossSection method for cross check analysis
- Threshold then placing together EM710 surveys done with different vessels

- Comparison of a small survey SeaBat7125 from 2011 versus SeaBat8101 2002 survey in Drogden Canal
- Survey vessels and systems at SMA
- Deep water multibeam measurements in Icelandic waters - the MRI experience, PR & GH
- Survey vessel and systems used in Icelandic Coast Guard
- Experience of Moving Vessel Profiler and handling of SVP in post processing
- Efficiency measures for multi beam surveys
- Status of surveyed areas in Swedish waters and priority of future surveys
- Mareano surveying specifications
- File formats for bathymetric data
- Bar sweeping

All the presentations were documented and distributed after the workshop. Two complete days gave room for a lot of discussions. The delegates expressed that also this workshop was of great value both related to the technical topics and to the networking. The group would like to suggest a follow up workshop in Finland.