

15th BSHC Conference National Report of Germany

July 2010

Version 1

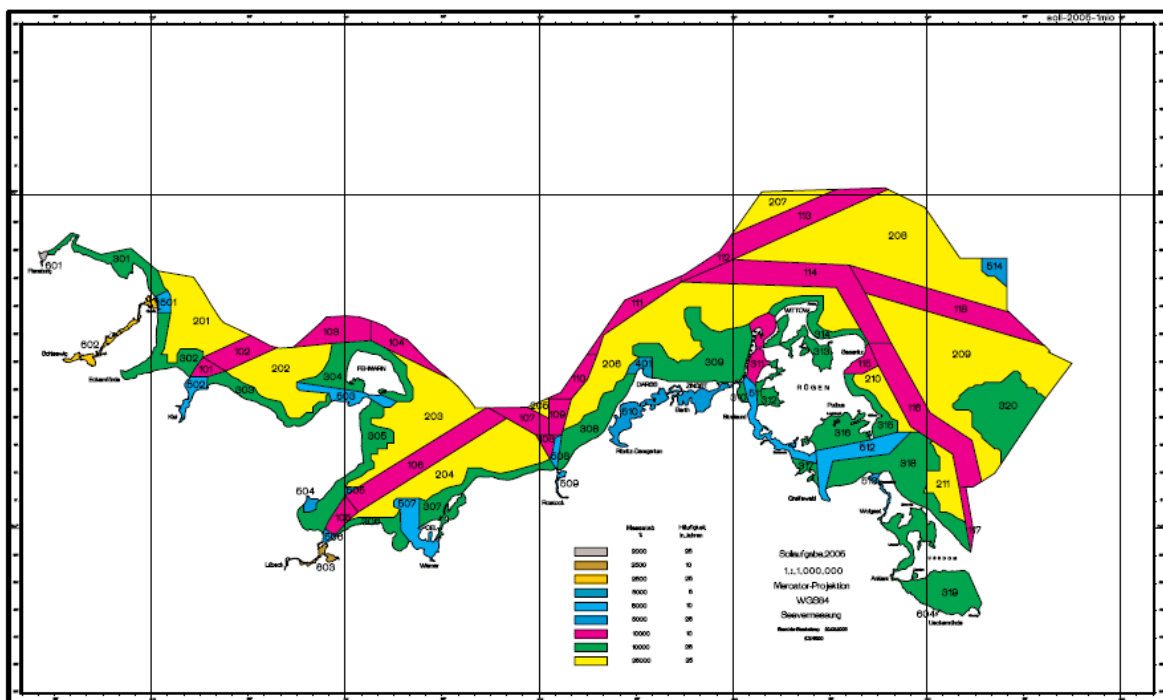
1. Hydrographic Office

The present report outlines and summarizes the activities carried out since the 14th BSHC Conference by the Federal Maritime and Hydrographic Agency (BSH). The report concentrates on the Baltic Sea.

2. Surveys

Coverage of new surveys

The BSH conducts hydrographic surveys on a general schedule, which is being updated on a yearly basis and amended if necessary. The survey area is subdivided into different slices of similar quality demands. The quality aspects include the re-survey rate as well as survey standards.

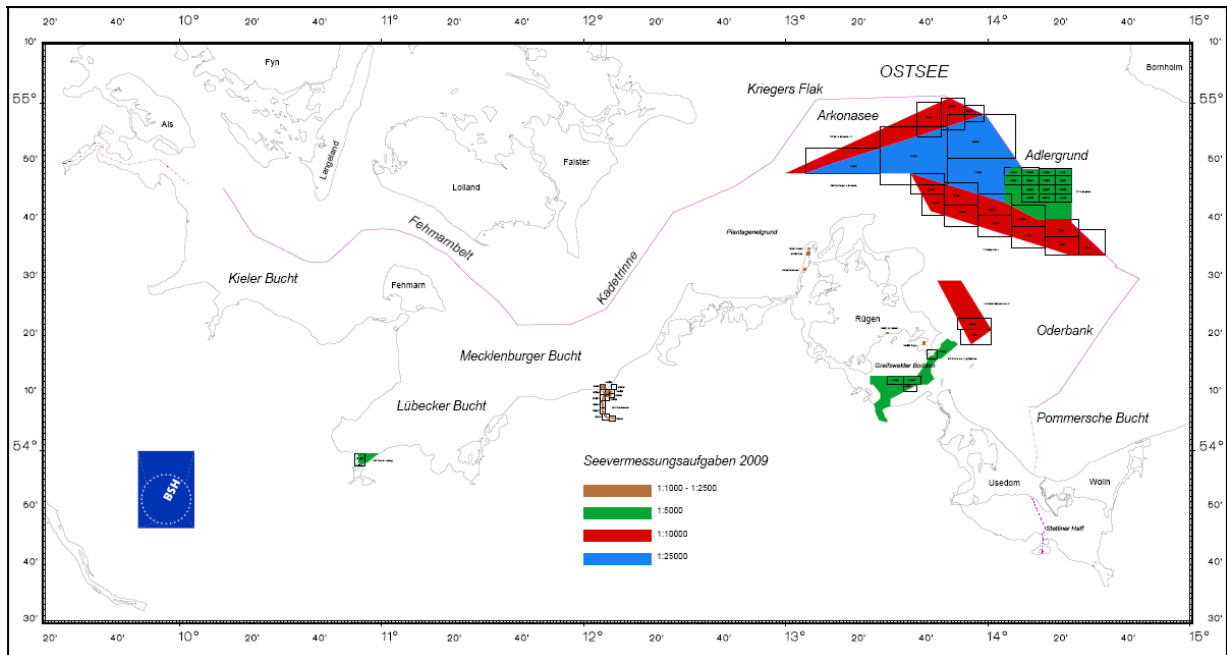


<general survey scheme for the German part of the Baltic Sea>

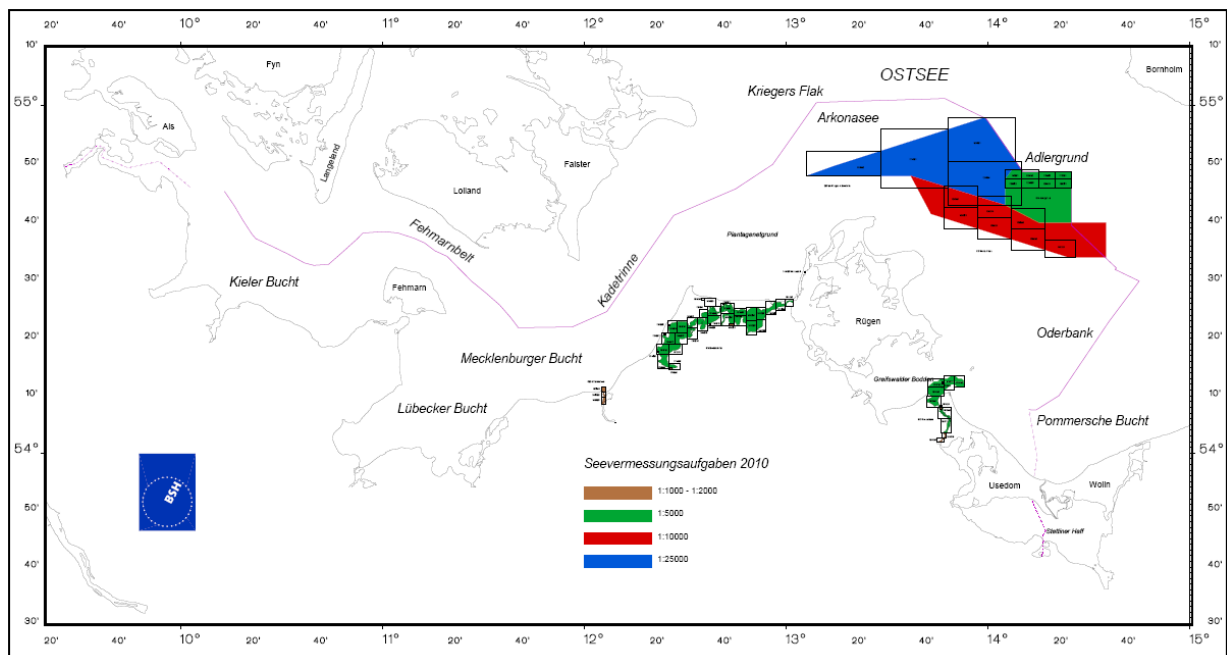
One main task is the re-survey of the main shipping routes according to the resurvey scheme, agreed upon in the Monitoring Working Group of BSHC. Due to some changes in the shape of the main routes the survey will take longer than originally planned. Germany plans to finish this task until mid of 2011. Then all main routes will be surveyed according to Order 1 of C-44. It means as well that the routes have to be resurveyed again as changes occur. The regular schedule for these permanent re-surveys is usually a 10 years rate.

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For 2009 and 2010 the surveys were mainly conducted north and east of Rügen and in several shallow coastal areas.



<Survey plan 2009>



<Survey plan 2010>

Wreck search

BSH investigated 50 wrecks in 2009 in the Baltic Sea, 10 of them were new found obstructions or wrecks, the others were reinvestigated on a regular schedule.

3. New charts & updates

Charts (paper as well as ENC) covering the German waters are produced and updated by BSH. For the whole Baltic Sea BSH issues and updates 145 charts (36 for German waters).

ENC

The German waters have been covered with 147 ENCs in various navigational bands. All the ENCs are updated on a weekly basis. Since BSH managed the first time to produce ENCs as well as applying updates from a hydrographic production data base in 2007, the enhancement of this production method to all German waters is ongoing but will take a number of years before completion.

ENC Distribution method

All the German produced ENCs and updates (ERs) are distributed through a network of IC-ENC authorized distributors.

INT charts

41 German produced INT charts (for the North, Baltic and southern Seas) have been updated. For the Baltic Sea, BSH is producer of 22 INT charts and printer of 46 INT charts produced by the Hydrographic Offices of Denmark, Poland, Sweden, Finland, Latvia and Russia.

National paper charts

The overall chart portfolio of the German waters comprises 64 charts (including INT charts) and 11 Small Craft Charts Series - all produced according to international charting standards. For the German waters of the Baltic Sea BSH issues 5 Small Craft Charts Series and a general survey chart with the Polish waters illustrated on the rear side. For Polish Waters, 3 Small Craft Charts Series are produced in co-operation with the Polish Hydrographic Office.

For the Baltic Sea outside German waters, BSH produces 74 national charts besides the above mentioned INT charts. The main editing task is the conversion to WGS 84 and the application of INT1 standards for chart signatures. The preferred production method for foreign charts published by BSH, is the adoption of digital repro mats of INT or national charts from the producer nations based on bilateral arrangements. For the majority of these charts the editing is made in a hybrid system which allows superimposition of the raster repro mats with vector elements.

Small craft charts corrections

The BSH normally issues yearly New Editions of its small craft folios which include all corrections that have been published to date. From issue 2010, an improved correction service allowing sheet-specific corrections using the „Nachrichten für Seefahrer“ (NfS, Notices to Mariners) is available for small craft charts.

Online Chart Catalogue

The new online chart catalogue provides information about the paper charts, electronic navigational charts, small craft charts, and topographic maps of the sea floor issued by BSH.

More information is available on the following web page:

<http://www.bsh.de/en/Products/Charts/Catalogue/index.jsp>

An overview of all charts issued by the BSH is also available on this web page:

http://www.bsh.de/en/Products/Charts/Nautical_charts/index.jsp

Since the last report was given, BSH has issued 10 New Editions and 37 updated reprints for national German waters. For the Baltic Sea outside German waters, BSH has issued 19 New Editions and 6 New Charts and 29 updated reprints since.

4. New publications & updates:

New Publications

BSH has reduced the area covered by Sailing Directions. The current area comprises the Baltic, the North Sea and the English Channel.

BSH is publishing bilingual Notice to Mariners on a weekly basis.

Updated publications in 2009

The Mariners' Routeing Guide Baltic Sea is being published 2009 as the fourth edition.

Following publications were updated in 2009

20001	Handbuch für Brücke und Kartenhaus
2155	Jachtfunkdienst Nord- und Ostsee und Englischer Kanal 2009
20031	Ostsee-Handbuch, südwestlicher Teil
2009	Handbuch Kattegat, Belte und Sund
20061	Nordsee-Handbuch, südöstlicher Teil
20063	Revierfunkdienst Nordsee und Englischer Kanal
20171	Kanal-Handbuch
4003	Leuchfeuerverzeichnis Teil III
2010	Winterbetonung der deutschen Küstengewässer 2009/2010
3001	Wegepunkte in der Ost- und Nordsee 2009 Wetter- und Warnfunk 2009 (Internet)
2115	Gezeitentafeln 2010
2175	Nautisches Jahrbuch 2010
5000	Handbuch Nautischer Funkdienst 2009/2010

The following Publications were updated in 2010 (deadline 2010-07-09)

2155	Jachtfunkdienst Nord- und Ostsee und Englischer Kanal
2008	Nordsee-Handbuch, südöstlicher Teil
2007	Nordsee-Handbuch, südlicher Teil
3001	Wegepunkte in der Ost- und Nordsee 2010
4002	Leuchfeuerverzeichnis Teil 2 Wetter- und Warnfunk (Internet version only)

Supplements

None

Means of delivery, e.g. paper, digital

BSH delivers the majority of their publications in print (exemptions see underneath).

All printed Sailing Directions have been delivered together with an accompanying CD ROM containing a pdf-version of the script.

The publication "Wetter- und Warnfunk" is available at the BSH website only as pdf.

The English version of the German Shipping Regulations is available at the BSH website only as pdf.

The German version of German Shipping Regulations available at a third party website as pdf supplementing the printed version issued by BSH.

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The information of publication 3001 follows the BSH update regime now. A digital version of the information is accessible via ftp.

6. C-55

Excerpt of C-55 for Germany in INT Region E updated July 2010

Status of surveys

A1	A2	B1	B2	C1	C2	Comment
95	0	5	0	0	0	The 5% refers to the HELCOM Harmonised Re-survey Plan in the Baltic Sea.

Status of nautical charting

Offshore passage/Small			Landfall Coastal passage/Medium			Approaches Ports/Large			Comment
A	B	C	A	B	C	A	B	C	
100	0	100	100	0	100	100	0	100	

7. Capacity Building

BSH is participating in the Capacity Building Subcommittee. A Cat A course in Hydrography is offered in english language at the Harbour City University (HCU) in Hamburg.

8. Oceanographic activities

The BSH operates several services such as daily water level forecasts, storm surge warnings, ice reports, ice charts and charts of the sea-surface-temperature. It surveys and evaluates the physical and chemical conditions of the North and Baltic Sea.

9. Other activities

The BSH is represented in more than 20 international bodies.

Participation in IHO Working Groups

BSH is actively involved in the work done by

- HSSC,
- IRCC,
- CBSC,
- CPRNW,
- DIPWG,
- CSPCWG inclusive INT1 subWG - production of New Edition of INT 1 English version 2008 (repromats available from BSH on CD)
- SNPWG,
- SDIWG,
- TSMAD,

Within BSHC:

Baltic Sea INT Chart Committee (BSICC)
Resurvey Monitoring Working Group (MWG)
Chart Datum Working Group (CDWG)
Depth Information Harmonization WG (DIHWG)
Baltic Sea Bathymetry Database (BSBD-WG)

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International

BSH is participating in two approved INTEREG-Projects, namely

- BALTSEAPLAN as the lead partner to establish foundations for transboundary spatial planning by means of pilot projects
- BLAST (Bringing land and sea together) as contributing partner to support the improvement of LIDAR survey at sea by means of a pilot project conducted at Femern Belt.

BSH is participating actively in the Helsinki Commission in several fields. One example is the work done by the HELCOM Expert Working Group on Routeing.

BSH is also participating on IMO Committees, namely MSC and NAV.

10. Conclusions

None