

16th BSHC Conference National Report of Germany

July 2011

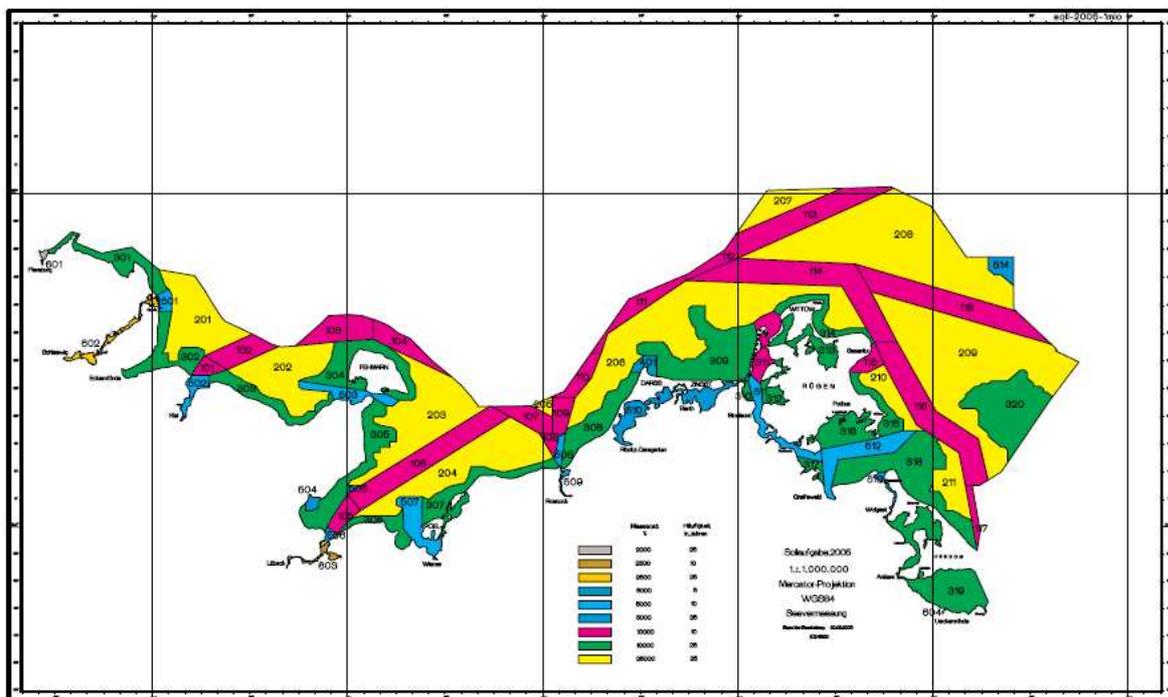
1. Hydrographic Office

The present report outlines and summarizes the activities carried out since the 15th 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.

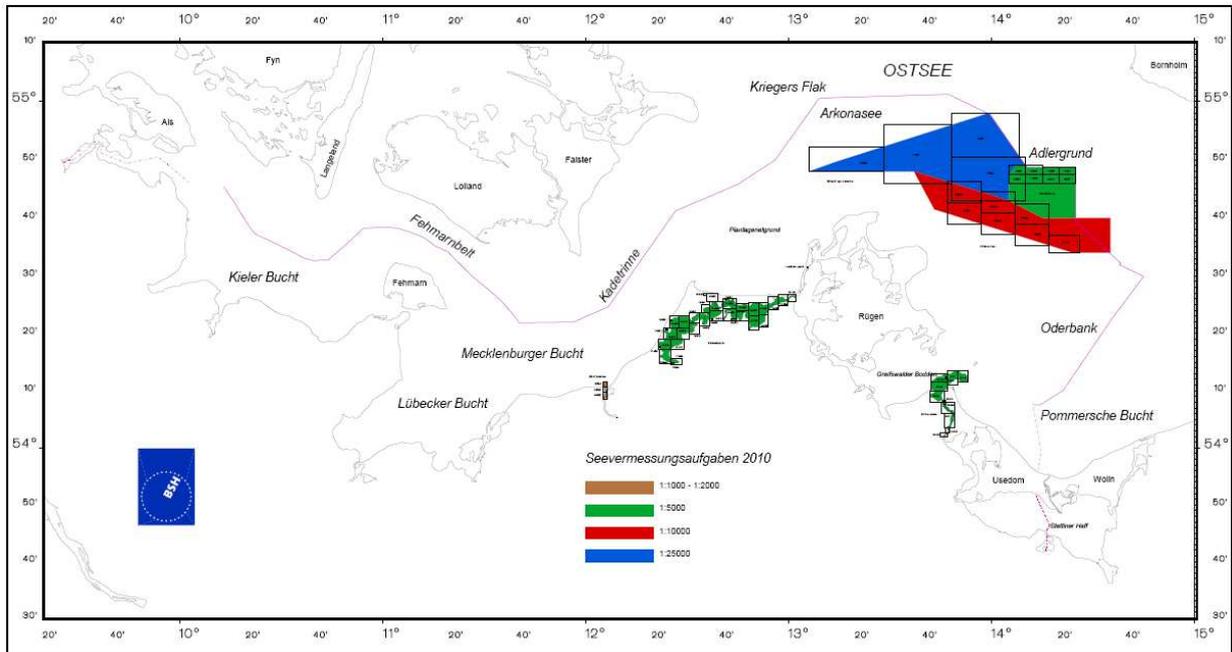


<general survey scheme for the German part of the Baltic Sea>

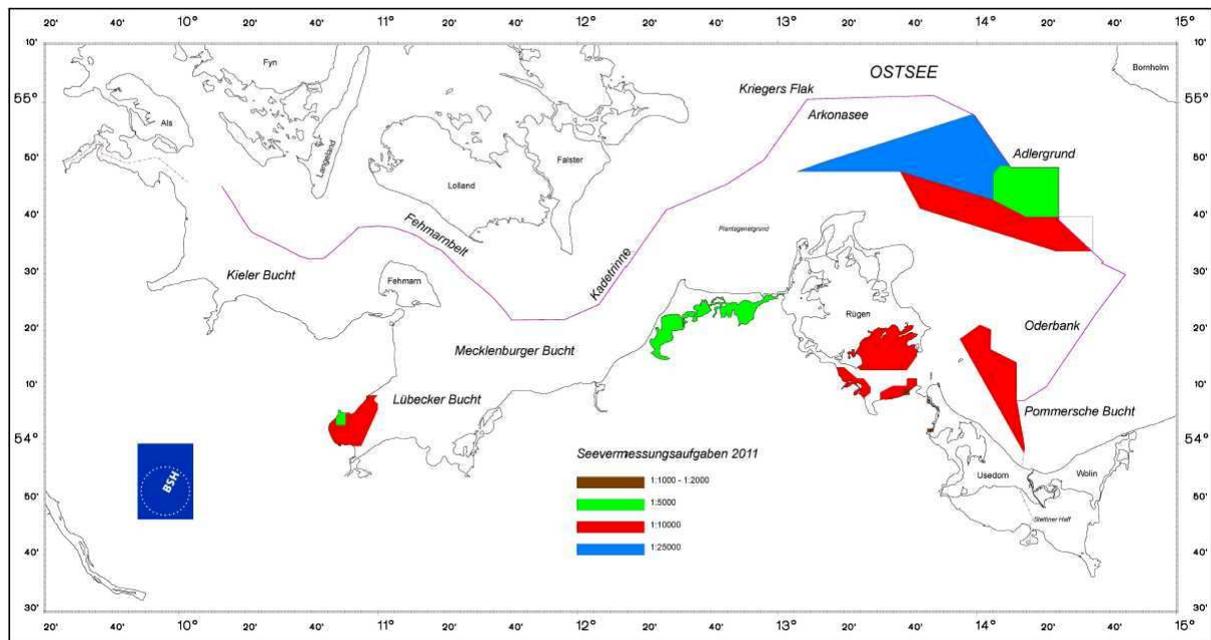
One main task is the re-survey of the main shipping routes according to the re-survey scheme, agreed upon in the Monitoring Working Group of BSHC. Due to some changes in the shape of the main routes the survey will take longer than originally planned. Germany plans to finish this task until end of 2011. Then all main routes will be surveyed according to Order 1 of S-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 2010 and 2011 the surveys mainly were or will be conducted north and east of Rügen and in several shallow coastal areas. Due to quite bad weather conditions in the winter and some technical problems some tasks have been prolonged into 2011.



<Survey plan 2010>



<Survey plan 2011>

Wreck search

BSH investigated 40 wrecks in 2010 in the Baltic Sea, 8 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 149 charts (36 for German waters).

ENC

The German waters have been covered with 151 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

42 German produced INT charts (for the North, Baltic and Southern Seas) have been updated. For the Baltic Sea, BSH is producer of 23 INT charts and printer of 53 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 66 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 planning chart with the Polish waters illustrated on the back 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 73 national charts besides the above mentioned INT charts. The main editing task is the application of INT1 standards for chart signatures. The preferred production method for foreign charts published by BSH is the adoption of digital repromats 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 repromats 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 2011, an improved correction service allowing sheet-specific corrections using the „Nachrichten für Seefahrer“ (NfS, Notices to Mariners) is available for small craft charts.

4. New publications & updates:

New books scheduled for Publication

BSH is preparing an english version of the "Nordsee-Handbuch, südöstlicher Teil" and "Ostsee-Handbuch, südwestlicher Teil".

New Editions in 2011

20005	Seeschiffartsstraßen-Ordnung 2011
20001	Handbuch für Brücke und Kartenhaus
2002	Ostsee-Handbuch, westlicher Teil
20031	Ostsee-Handbuch, südwestlicher Teil
20061	Nordsee-Handbuch, südöstlicher Teil
20063	RF Nordsee und Englischer Kanal Ausgabe 2011
2009	Handbuch Kattegat, Belte und Sund
2010	Winterbetonung 2011/2012
2012	Nordsee-Handbuch, östlicher Teil
20171	Kanal-Handbuch
2115	Gezeitentafeln , Europäische Gewässer 2012
2155	Jachtfunkdienst Nordsee, Ostsee und Englischer Kanal 2011
2175	Nautisches Jahrbuch, Ephemeriden und Tafeln 2012
2452	Katalog der Seekarten und Bücher 2011
3001	Wegepunkte in der Nord- und Ostsee 2011
40011	Leuchfeuerverzeichnis Teil 1 Band 1, mittlere und östliche Ostsee
40012	Leuchfeuerverzeichnis Teil 1 Band 2, nördliche Ostsee
5000	Handbuch Nautischer Funkdienst 2011/2012 Wetter- und Warnfunk 2011 (Internet version only)

The following Publications will be updated 2012

2007	Nordsee-Handbuch, südlicher Teil
2008	Nordsee-Handbuch, westlicher Teil
2009	Winterbetonung 2012/2013
2115	Gezeitentafeln , Europäische Gewässer 2013
2155	Jachtfunkdienst Nordsee, Ostsee und Englischer Kanal 2012
2175	Nautisches Jahrbuch, Ephemeriden und Tafeln 2013
2452	Katalog der Seekarten und Bücher 2012
3001	Wegepunkte in der Ost- und Nordsee 2012
4002	Leuchfeuerverzeichnis Teil 2, westliche Ostsee und Ostsee Zufahrten
4003	Leuchfeuerverzeichnis Teil 3, östliche Nordsee
5000	Handbuch Nautischer Funkdienst 2012/2013 Wetter- und Warnfunk 2012 (Internet version only)

Supplements

None

Means of delivery, e.g. paper, digital

Paper. GeoTiffs are available.

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5. MSI

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,
- MSDIWG,
- TSMAD,

Within BSHC:

Baltic Sea International Charting Coordination Working Group (BSICCWG)

Resurvey Monitoring Working Group (MWG)

Chart Datum Working Group (CDWG)

Depth Information Harmonization WG (DIHWG)

Baltic Sea Bathymetry Database (BSBD-WG)

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.

BSH contributes to the annually held HPD User Group Meetings.

10. Conclusions

None