

13th BSHC Conference National Report of Germany

August 2008

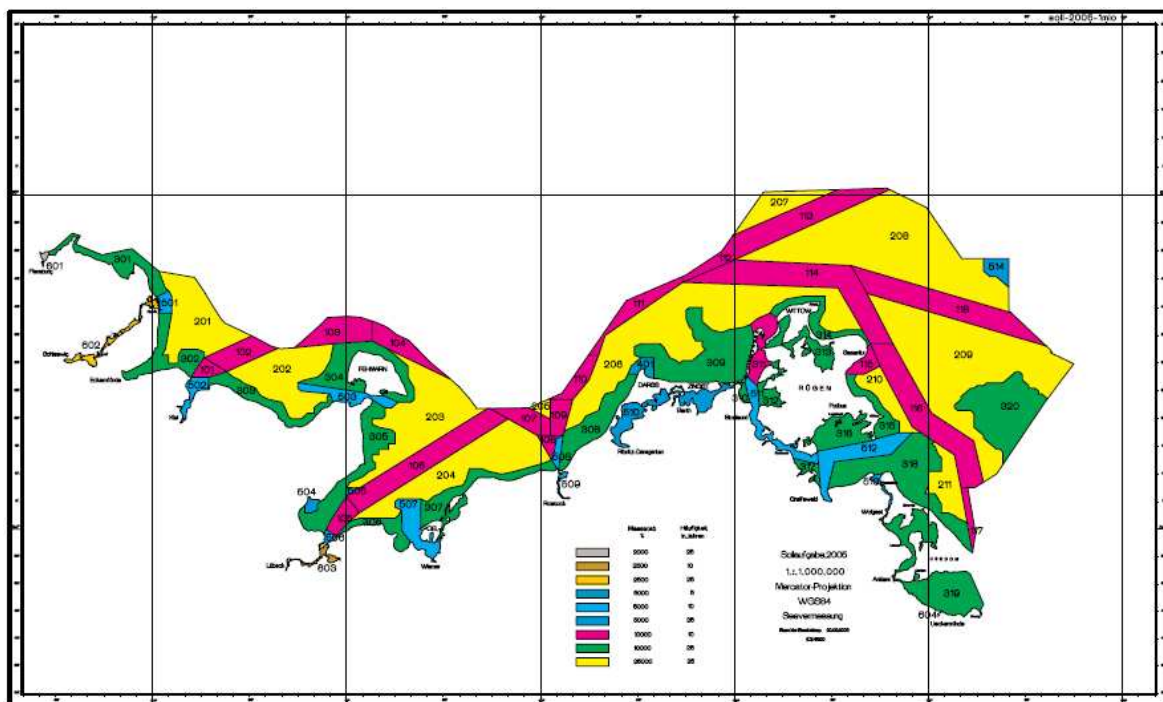
1. Hydrographic Office

The present report outlines and summarises the activities carried out since the 12th 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 resurvey rate as well as survey standards.

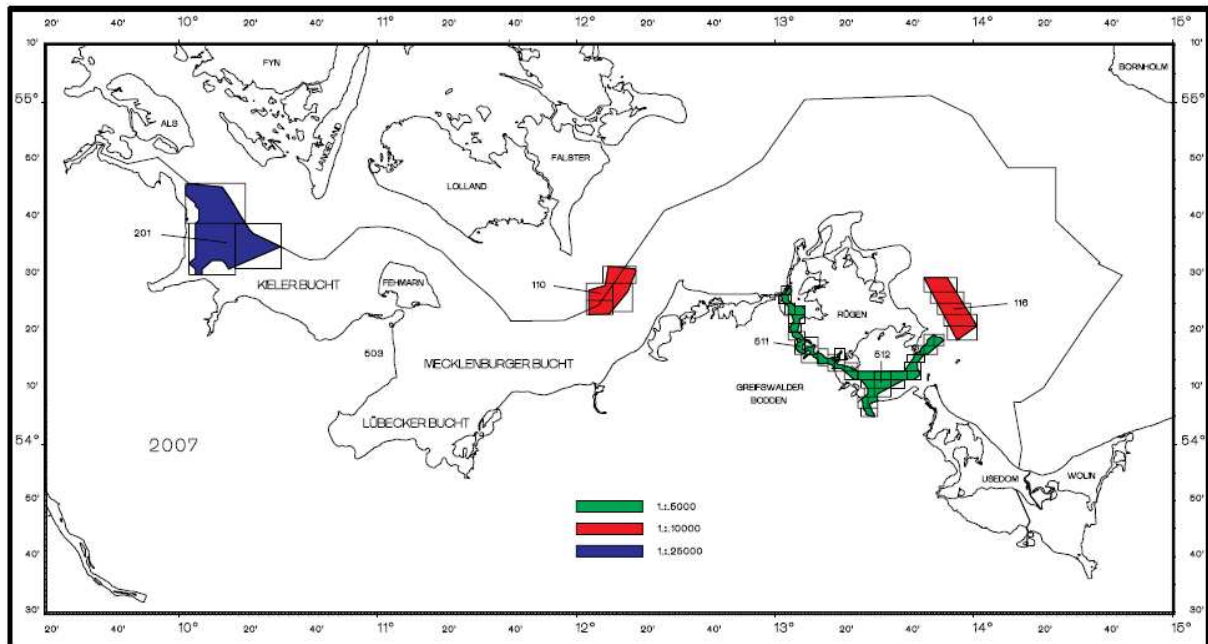


<general survey scheme for the German part of the Baltic Sea>

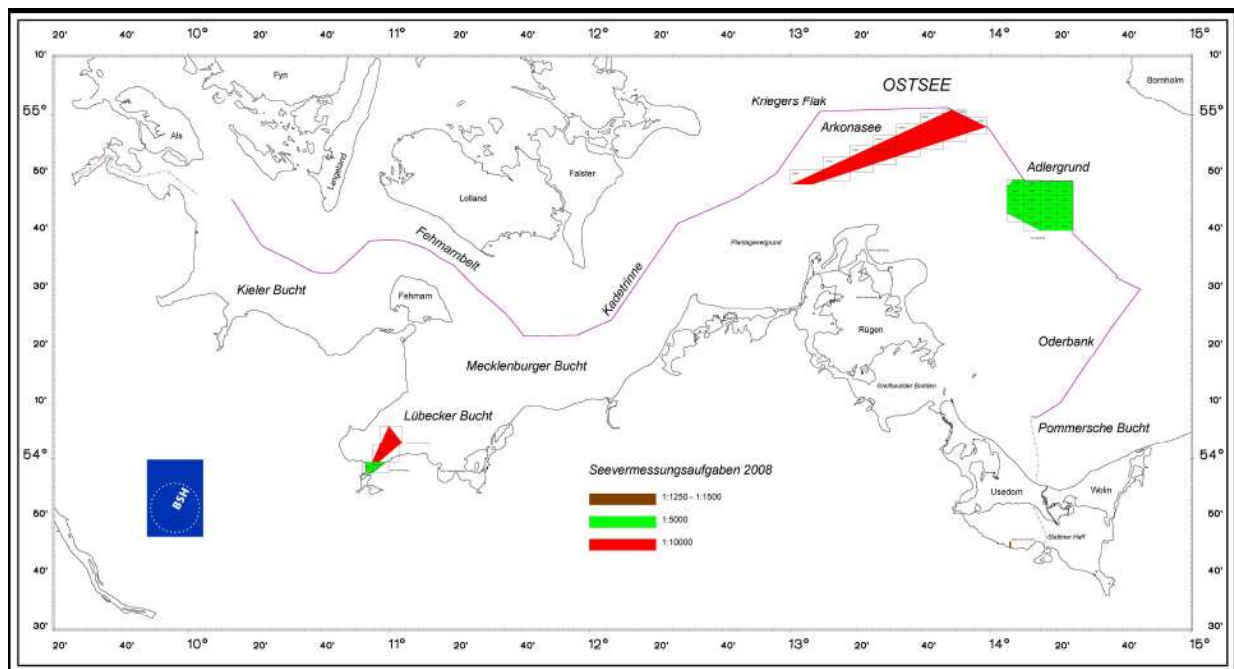
One main task is the resurvey of the main shipping routes according to the resurvey scheme, agreed upon in the Monitoring Working Group of BSHC. Germany plans to finish this task until in 2009. That means all main routes are surveyed according to Order 1 of S-44. It means as well that the routes have to be resurveyed again as changes occur. The regular schedule for these permanent resurveys is usually a 10 years rate.

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For 2007, the surveys concentrated mainly on the Kadetrinne. But several surveys were conducted in the Kiel Bight and around the island Rügen. In 2008 the tasks are particularly north and east of Rügen.



<Survey plan 2007>



<Survey plan 2008>

Wrecksearch

BSH investigated 23 wrecks in 2007 in the Baltic Sea, 9 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 144 charts (36 for German waters).

ENC

The German waters have been covered with 131 ENCs in various navigational bands. All the ENCs are updated on a weekly basis. In 2007 BSH managed the first time to produce ENCs as well as applying updates from a hydrographic production data base. 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

34 German produced INT charts have been updated. For the Baltic Sea, BSH is producer of 24 INT charts and printer of 33 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 and 13 Small Craft Charts Sets - all produced according to international standards. For the German waters of the Baltic Sea BSH issues 5 Small Craft Charts Sets. For Polish Waters, 3 Small Craft Charts Sets are produced in co-operation with the Polish Hydrographic Office.

For the Baltic Sea outside German waters, BSH produces 87 national charts. The main editing task is the conversion to WGS84 and the application of INT1 standards for chart signatures. The preferred production method for foreign charts adopted by BSH, is the take over as digital repromats 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.

The chart index showing the coverage of BSH charts is available on this internet site:

<http://www.bsh.de/de/Produkte/Karten/Seekarten/index.jsp>

Since the last report was given, BSH has issued 38 new editions and 96 updated reprints for national German waters. For the Baltic Sea outside German waters, BSH has issued 21 New Editions and 2 New Charts since.

4. New publications & updates:

New Publications

BSH has published the "Mariners' Routeing Guide Baltic Sea" on behalf of HELCOM. The first edition was published in 2006.

BSH is publishing a weekly Notice to Mariners each year.

Updated publications

The Mariners' Routeing Guide Baltic Sea is being published 2008 as the third edition.

Following publications were updated in 2006

20033	Revierfunkdienst Ostsee
2019	Handbuch der Westküste Englands und Schottlands
2021	Irland-Handbuch
2115	Gezeitentafel, Europäische Gewässer 2007
2155	Jachtfunkdienst Nord- und Ostsee 2006
2158	Wetter- und Warnfunk 2006
2159	Jachtfunkdienst Mittelmeer 2006
2159	Jachtfunkdienst Mittelmeer 2007
2175	Nautisches Jahrbuch oder Ephemeriden und Tafeln 2007
2452	Katalog, Seekarten und Bücher 2006
3001	Wegepunkte in der Ost- und Nordsee 2006
4003	Leuchtfuerverzeichnis Teil 3, östliche Nordsee
5000	Handbuch Nautischer Funkdienst 2006/2007
6001	On Board Training Record Book for Deck Cadets

Supplements

to	2001	Nachtrag Nr. 3 to Ostsee-Handbuch, I. Teil
to	2002	Nachtrag Nr. 2 to Ostsee-Handbuch, II. Teil
to	2004	Nachtrag Nr. 2 to Kattegat-Handbuch, I. Teil
to	2008	Nachtrag Nr. 1 to Nordsee-Handbuch, westlicher Teil
to	2027	Nachtrag Nr. 1 to Mittelmeer-Handbuch, Erster Teil
to	20291	Nachtrag Nr. 1 to Mittelmeer-Handbuch, Dritter Teil
to	2030	Nachtrag Nr. 1 to Mittelmeer-Handbuch, Vierter Teil

The following Publications were updated in 2007

20293	Revierfunkdienst Mittelmeer
20063	Revierfunkdienst Nordsee
20171	Kanal-Handbuch
2155	Jachtfunkdienst Nord- und Ostsee 2007
2452	Katalog, Seekarten und Bücher 2007
3001	Wegepunkte in der Ost- und Nordsee 2007
4002	Leuchtfuerverzeichnis Teil 2, westliche Ostsee und Ostseetofahrten
20001	Handbuch für Brücke und Kartenhaus
20173	Revierfunkdienst Westeuropa
2175	Nautisches Jahrbuch 2008, Ephemeriden und Tafeln
20031	Ostsee-Handbuch, dritter Teil
2165	Suche und Rettung
2115	Gezeitentafel, Europäische Gewässer 2008
5000	Handbuch Nautischer Funkdienst 2007/2008
2010	Winterbetonung der deutschen Küstengewässer 2007/2008
2007	Nordsee-Handbuch, südlicher Teil
2452	Katalog, Seekarten und Bücher 2008

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Supplements

to	2031	Nachtrag Nr. 1 to Mittelmeer-Handbuch, Fünfter Teil
to	20121	Nachtrag Nr. 2 to Norwegen Handbuch, südlicher Teil
to	2005	Nachtrag Nr. 1 to Kattegat-Handbuch, zweiter Teil

The following Publications were updated in 2008 (deadline 2008-05-31)

2159	Jachtfunkdienst Mittelmeer
2155	Jachtfunkdienst Nord- und Ostsee
2008	Nordsee-Handbuch Westlicher Teil
3001	Wegepunkte in der Ost- und Nordsee 2008
2113	IMO Standard Redewendungen
2160	Internationales Signalbuch

Supplements

to	2028	Nachtrag Nr. 4 tom Mittelmeer-Handbuch, II. Teil
to	20061	Nachtrag Nr. 1 tom Nordsee-Handbuch, östlicher Teil

Means of delivery, e.g. paper, digital

All Sailing directions have been delivered by paper with an accompanied CD ROM.
BSH delivers the majority of their publications as paper publication (exemptions see underneath)

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

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

The German version of German Shipping Regulations is available online at a third party website.

Problems encountered

Although allowed by German law the online version of the German Shipping Regulations is not accepted by the market. BSH received objections against this delivery method from their customers and is planning to deliver a printed version again.

5. MSI

By end of 2006 Germany established a new NAVTEX transmitter located in Pinneberg north from Hamburg. This transmitter, operated by the German National Weather Service DWD provide navigational warnings and wether reports for the German Bight in English language at –the international frequency 518 kHz and for the German Waters of the North Sea and the Baltic at the national frequency 490 kHz in both German and English language.

6. S-55

Excerpt of S-55 for Germany in INT Region E updated April 2008

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 pas- sage/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 Committee. Germany provided substantial bilateral help to Sri Lanka after the Tsunami in the Indian Ocean. A Cat A course in Hydrography is offered in english 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

- CBC,
- CHRIS,
- CPRNW,
- CSMWG,
- CSPCWG inclusive INT1 subWG - production of New Edition of INT 1 English version 2008 (reprints available from BSH on CD)
- SNPWG,
- SDIWG,
- TSMAD,
- S-44

Within BSHC:

Baltic Sea INT Chart Committee (BSICC)

Monitoring Working Group (MWG)

Chart Datum Working Group (CDWG)

Baltic Sea ENC Harmonization WG (BSEHWG)

International

BSH and Jeppesen Marine have worked on a pilot project that tested the feasibility of converting BSH sailing directions content into Jeppesen print, online and data presentations by using S57/SNPWG data exchange standard. The findings of the study were presented to the IHO Standardization of Nautical Publications Working Group (SNPWG) April 2008.

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

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

10. Conclusions