

# 14<sup>th</sup> BSHC Conference National Report of Germany

August 2009

DRAFT Version 2

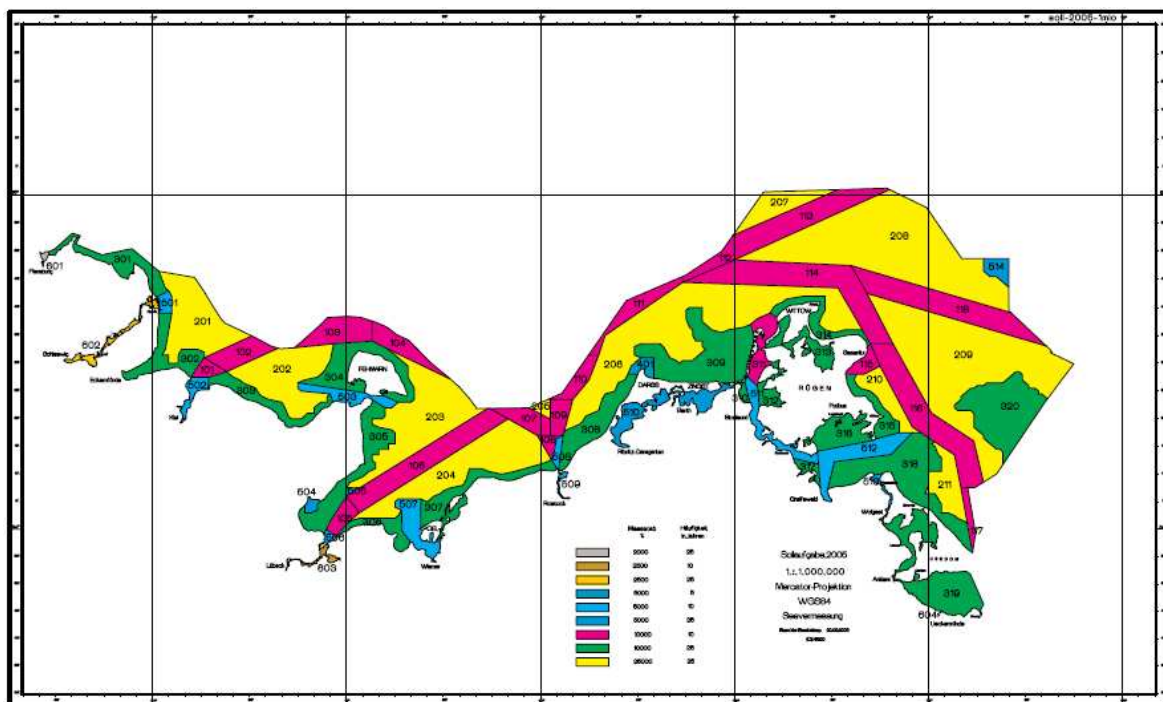
## 1. Hydrographic Office

The present report outlines and summarises the activities carried out since the 13th 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.

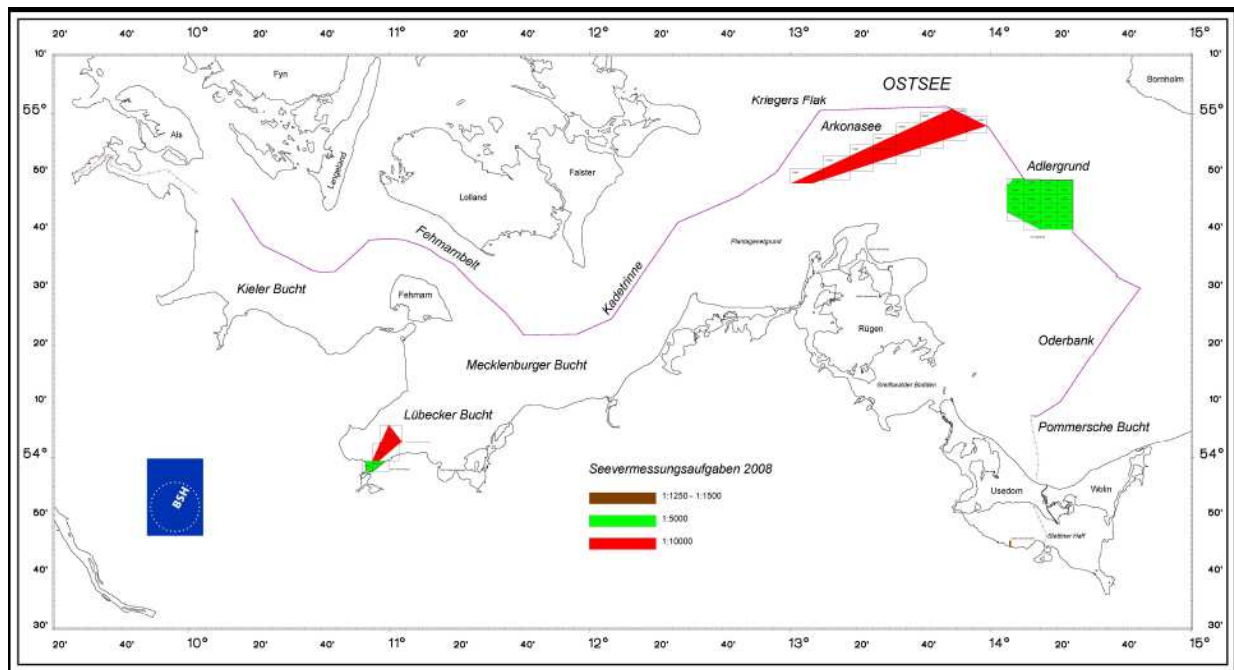


<general survey scheme for the German part of the Baltic Sea>

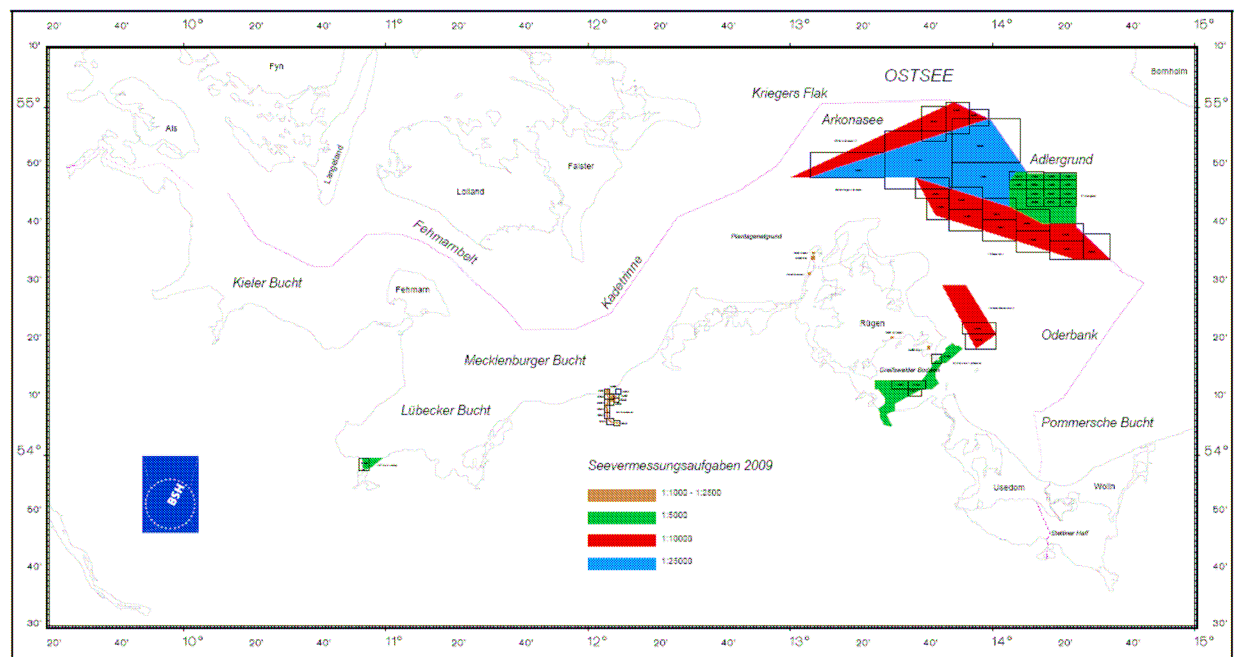
One main task is the resurvey of the main shipping routes according to the resurvey scheme, agreed upon in the Monitoring Working Group of BSHC. Germany plans to finish this task until the end of 2009. That means all main routes are surveyed according to Order 1 of S-44. It means as well that the routes 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 2008 and 2009 the surveys were mainly conducted north and east of Rügen and on the route to Lübeck.



<Survey plan 2008>



<Survey plan 2009>

### Wreck search

BSH investigated 103 wrecks in 2008 in the Baltic Sea, 37 of them were new found obstructions or wrecks, the others were reinvestigated on a regular schedule. This is the highest amount of wreck investigations for many years and is a result of the intensified surveys with side-scan sonars.

### **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 140 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**

39 German produced INT charts have been updated. For the Baltic Sea, BSH is producer of 22 INT charts and printer of 38 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 and neighbour waters of the Baltic Sea BSH issues 5 Small Craft Charts Sets and a planning chart. 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 71 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 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/en/Products/Charts/Nautical\\_charts/index.jsp](http://www.bsh.de/en/Products/Charts/Nautical_charts/index.jsp)

Since the last report was given, BSH has issued 19 new editions and 47 updated reprints for national German waters. For the Baltic Sea outside German waters, BSH has issued 2 New Editions and 2 New Charts and 26 updated reprints since.

#### 4. New publications & updates:

##### New Publications

BSH has reduced ist area covered by Sailing Directions in the Eastern North Sea. SDs 2012 and 20061 are affected in their content by this reduction.

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

##### Updated publications in 2008

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

Following publications were updated in 2008

2113	IMO Standard Redewendungen
2160	Internationales Signalbuch
2159	Jachtfunkdienst Mittelmeer
2155	Jachtfunkdienst Nord- und Ostsee
2008	Nordsee-Handbuch, Westlicher Teil
2001	Ostsee-Handbuch, Östlicher Teil
2021	Irland-Handbuch
2025	Handbuch W-Europäische Gewässer
20033	Revierfunkdienst Ostsee
40011	Leuchfeuerverzeichnis Teil 1, Band 1
40012	Leuchfeuerverzeichnis Teil 1, Band 2
20005	Seeschiffahrtsstraßen-Ordnung mit den Bekanntmachungen der WSDen
2010	Winterbetonung der deutschen Küstengewässer 2008/2009
2002	Ostsee-Handbuch, westlicher Teil
3001	Wegepunkte in der Ost- und Nordsee 2008
2113	IMO Standard Redewendung
2160	Internationales Signalbuch
2158	Wetter- und Warnfunk 2008 (Internet)
2011	VTS Guide Germany
2115	Gezeitentafeln 2009
20032	Naturverhältnisse in der Ostsee
2175	Nautisches Jahrbuch 2009
5000	Handbuch Nautischer Funkdienst 2008/2009
6001	On Board Training Record Book for Engineer Cadets

##### Supplements

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

##### The following Publications were updated in 2009 (deadline 2009-06-26)

2159	Jachtfunkdienst Mittelmeer
2155	Jachtfunkdienst Nord- und Ostsee
2008	Nordsee-Handbuch, südöstlicher Teil
2012	Nordsee-Handbuch, östlicher Teil
3001	Wegepunkte in der Ost- und Nordsee 2009
20063	RF Nordsee und Englischer Kanal
4003	Leuchfeuerverzeichnis Teil 3
2158	Wetter- und Warnfunk (Internet version only)

##### Supplements

none

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### 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.

### Problems encountered

Supplements are inconvenient to handle for the mariner. BSH is planning to stop the issue of supplements and to publish New Editions of the Sailing Directions in three years frequency instead.

### 6. S-55

Excerpt of S-55 for Germany in INT Region E updated July 2009

#### 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

- CBSC,
- HSSC,

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- IRCC,
- 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)

### **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**